

December 22, 2023  
File No. 01204123.21

***Via E-Mail***

Mr. Steve Cassulo  
District Manager  
Chiquita Canyon Landfill  
29201 Henry Mayo Drive  
Castaic, California 91384  
Steven.Cassulo@wasteconnections.com

**Subject: Dimethyl Sulfide and Volatile Organic Compound Continuous Monitoring Feasibility and Availability Report, Chiquita Canyon Landfill, Castaic, California**

Dear Steve:

This report has been prepared by **SCS Engineers (SCS)** on behalf of Chiquita Canyon, LLC (Chiquita) to document the investigation of the feasibility of conducting continuous monitoring of total reduced sulfur (TRS) as a potential surrogate for continuous dimethyl sulfide (DMS) monitoring, and the feasibility of continuous monitoring of benzene, toluene, ethylbenzene, and total xylenes (BTEX) in the community surrounding the Chiquita Canyon Landfill (Landfill).

This report was prepared in compliance with our August 25, 2023 Workplan for Enhanced Air Monitoring Plan (EAMP or Workplan), in which we recommended the temporary installation of both continuous total reduced sulfur (TRS) and BTEX monitors to evaluate their overall efficacy.

SCS has completed the required investigation of the feasibility and availability of implementing a continuous community emission monitoring system by conducting a review of both sensor availability and surrogate monitoring capability reflected in this report. The results of both TRS and BTEX monitoring evaluations are discussed separately below.

## **DMS/TRS MONITORING EVALUATION**

Based on SCS's investigation and experience, real-time monitoring for the estimation of DMS concentrations in the community and along the property fenceline is not feasible, as there are no real-time DMS ambient air monitoring sensors currently available commercially. In addition, our trial of surrogate monitoring proved unsuccessful. A summary of the data reviews completed to support this conclusion are provided below.

### **Sensor Availability Review**

SCS performed online searches for potential sensor availability and reviewed the United States Environmental Protection Agency (EPA) Air Sensor Toolbox and the South Coast Air Quality Management District (SCAQMD) Air Quality Sensor Performance Evaluation center (AQ-SPEC) for potential monitoring methods and sensors. A summary of these reviews is presented below.



## EPA Air Sensor Toolbox

The [EPA Air Sensor Toolbox](#) (Toolbox) website is a compendium of information on the latest science on the performance, operation, and use of air sensor monitoring systems. The Toolbox is community-focused and emphasizes criteria pollutant monitoring. Review of the data on the Toolbox website did not identify any DMS-specific sensors. Several sensor manufacturers listed on the website were contacted by SCS for further inquiry.

## SCAQMD AQ-SPEC

The SCAQMD [AQ-SPEC](#) website provides a continuously updated listing of, “widely commercially available low-cost air quality sensors,” that have been evaluated by the SCAQMD. The AQ-SPEC website is focused primarily on volatile organic compound (VOC) sensors and criteria pollutant sensors. Of these, only Hydrogen Sulfide (H<sub>2</sub>S) and Sulfur Dioxide (SO<sub>2</sub>) were listed. Similar to the Toolbox website, several sensor manufacturers listed on the AQ-SPEC website were contacted by SCS for further inquiry.

## Vendor, Contractor, and Consultant Review

As a result of the review of the Toolbox and AQ-SPEC, as well as our industry knowledge of landfill air sampling and ambient air sampling in general, SCS contacted the following vendors, contractors, and consultants for air monitoring equipment for advice on the direct measurement of DMS.

1. **Teledyne API.** Teledyne specializes in air quality and process gas monitoring instrumentation. Sulfur compound instrumentation available includes H<sub>2</sub>S, SO<sub>2</sub>, Total Reduced Sulfur (TRS), and Total Sulfur (TS).
2. **Thermo Fisher Scientific.** Thermo Fisher Scientific is a provider of laboratory-grade analytical instrumentation and field instrumentation. Ambient air monitoring capabilities for sulfur compounds include only SO<sub>2</sub>.
3. **Aeroqual LTD.** Aeroqual provides real-time air monitoring solutions for multiple constituents. Ambient air monitoring capabilities for sulfur compounds are limited to H<sub>2</sub>S and SO<sub>2</sub>.
4. **Specto Technology.** Specto Technology provides hardware and software solutions for the geotechnical, structural, and environmental industries. Ambient air monitoring capabilities are limited to SO<sub>2</sub>.
5. **Met One Instruments.** Met One Instruments is a provider of ambient air quality monitoring equipment. Ambient air monitoring capabilities for sulfur compounds include H<sub>2</sub>S, SO<sub>2</sub>, and TRS.
6. **Applied Analytics.** Applied Analytics specializes in industrial process analysis instrumentation. Air monitoring capabilities for sulfur compounds include carbon disulfide (CS<sub>2</sub>), H<sub>2</sub>S, carbonyl sulfide (COS), SO<sub>2</sub>, and ethanethiol (CH<sub>3</sub>CH<sub>2</sub>SH), or ethyl mercaptan. In addition, detection limits are only down to the part per million (ppm) level and significantly lower detection limits are needed to assess odor impacts.

Of the vendors, contractors, and consultants contacted, none had an ambient air monitor that could be used specifically for continuous DMS detection. Most were focused on either H<sub>2</sub>S, SO<sub>2</sub>, or TRS analysis in ambient air. Applied Analytics had sensors capable of detecting the most diverse range of sulfur compounds, but none had DMS detection capabilities.

## **SURROGATE MONITORING**

Because we were unable to identify any instruments that were capable of directly monitoring for DMS on a continuous basis, we considered whether it would be feasible to conduct continuous monitoring for a surrogate compound and, using that surrogate, estimate the quantity of DMS in the air (if any) on a continuous basis. TRS is used to detect any sulfur compounds, such as DMS, and can therefore be a surrogate for monitoring DMS. Absence of TRS detections suggests there is no DMS in the environment above the detection limit. However, detectable levels of TRS are not always indicative of DMS, since other reduced sulfur compounds could be causing those detections.

In September 2023, SCS initiated weekly sampling for DMS and TRS at the twelve ambient air monitoring stations located around the perimeter of the Landfill and in the community around the Landfill. SCS also co-located continuous TRS sensors at two of the existing air monitoring stations; one at the Landfill perimeter (MS-04, located on the northwestern area of the Landfill), and one in the Val Verde community (MS-12). These stations were selected for co-location of TRS monitors since they have exhibited the highest H<sub>2</sub>S concentrations historically as part of the Community Air Monitoring Program (CAMP), which is implemented pursuant to Chiquita's Conditional Use Permit (CUP), which would be indicative of potential landfill gas impacts. These TRS monitors are located within the same enclosure as the two existing air monitoring stations used for the CAMP.

The goal of the installation was to attempt to determine if a correlation factor could be identified for DMS laboratory analytical from the weekly sampling at MS-04 and MS-12 as compared to TRS continuous monitoring data at MS-04 and MS-12. To this end, SCS has collected a total of 26 grab samples (13 samples from each monitoring station each week) between September 1, 2023 and December 12, 2023. In addition, a total of 14, 24-hour composited samples were collected from monitoring station MS-12, for a total of 40 samples collected. Samples collected were analyzed for TRS and sulfur compounds via SCAQMD Method 307.91.

Out of the 40 samples analyzed, DMS was not detected in any sample. Therefore, given the absence of detectable DMS in air samples, a correlation analysis between DMS and TRS could not be conducted. Copies of the analytical data are included in **Attachment A**.

In addition, it should be noted that there is only a limited dataset of continuous TRS monitoring data due to low power conditions at both MS-04 and MS-12. The continuous TRS monitor requires a climate-controlled enclosure in addition to having significant power requirements for the unit itself. While the existing solar power configuration was expanded to attempt to provide additional power, even with additional solar, there is not enough consistent power to make continuous TRS monitoring reliable.

## **BTEX MONITORING EVALUATION**

Similar to the TRS/DMS evaluation, in September 2023, SCS initiated weekly sampling for BTEX at the twelve ambient air monitoring stations located around the perimeter of the Landfill and in the community around the Landfill. SCS also co-located continuous BTEX sensors at two of the existing air monitoring stations: MS-04 and MS-12. These stations were selected for co-location of BTEX sensors since they have exhibited the highest H<sub>2</sub>S concentrations historically as part of the CAMP. These BTEX sensors are located within the same enclosure as the two existing air monitoring stations used for the CAMP.

The goal of the installation was to attempt to evaluate the accuracy of real-time BTEX measurements compared to both grab and time-composited BTEX laboratory analysis. To this end, SCS has collected a total of 26 weekly grab samples (13 samples from each monitoring station) between September 1, 2023 and December 12, 2023. In addition, a total of 14, 24-hour composited samples were collected from off-site monitoring station MS-12, for a total of 40 samples collected. Samples collected were analyzed for VOCs, including BTEX, using EPA Method TO-15.

## 24-Hour Composite Sample Results

As part of the EAMP, 24-hour composite samples are collected on a weekly basis at MS-12. Between September 1, 2023 and December 12, 2023, a total of 14 weekly composite samples were collected. Out of the 14 samples, Toluene was the only BTEX constituent detected. Comparative continuous data for these detections were all reported below the continuous monitoring instrument detection limit, making a comparison impossible.

## Grab Sample Results

As part of the EAMP, discrete grab samples are collected on a weekly basis at MS-04 and MS-12. Between September 1, 2023 and December 12, 2023, a total of 13 weekly grab samples were collected at each location, for a total of 26 samples. Out of the 26 samples analyzed, the BTEX sensor was non-operational for several of the sampling events, due to power issues. **Table 1** provides a comparative summary of continuous and analytical data during instances where samples were collected and the BTEX sensor was online. Copies of the analytical data are included in **Attachment A**.

**Table 1. Laboratory and Continuous BTEX Data Comparison**

Monitoring Station	Sample Date	Benzene		Toluene		Ethylbenzene		Xylenes	
		Lab	Sensor	Lab	Sensor	Lab	Sensor	Lab	Sensor
(parts per billion, by volume)									
MS-04	09/26/23	<0.50	4.11	52.0	4.47	<0.50	0.35	<1.00	3.61
	10/03/23	<0.50	0.72	45.3	0.27	0.52	0.05	<1.00	0.82
	10/10/23	5.17	1.60	50.8	0.53	<0.50	0.14	<1.00	1.85
	10/17/23	0.66	2.04	26	1.16	0.76	0.11	1.05	0.58
	10/24/23	<0.50	8.99	35.6	1.08	<0.50	0.27	<1.00	1.11
	11/07/23	<0.50	3.60	27.9	0.78	<0.50	0.14	<1.00	0.51
	11/14/23	2.54	5.21	19.0	7.10	0.58	0.63	2.14	1.12
	11/28/23	<0.50	3.76	0.75	4.86	<0.50	0.57	<1.00	0.24
	12/5/23	<0.50	0.15	18.6	<0.10	<0.50	<0.10	<1.00	0.20
12/12/23	7.05	5.17	2.95	1.10	<0.50	0.19	<1.00	0.72	
MS-12	09/05/23	0.97	0.12	13.6	<0.10	<0.50	<0.10	2.11	<0.10
	09/19/23	<0.50	<0.10	14.8	<0.10	<0.50	<0.10	<1.00	0.18
	10/10/23	<0.50	<0.10	19.4	<0.10	0.56	<0.10	<1.00	0.20
	10/17/23	6.49	<0.10	29.4	<0.10	1.04	<0.10	2.59	0.21
	10/24/23	0.83	<0.10	13	<0.10	0.69	<0.10	<1.00	0.20
	11/14/23	0.54	<0.10	11.7	<0.10	<0.50	<0.10	<1.00	<0.10
	11/21/23	<0.50	<0.10	11.4	<0.10	<0.50	<0.10	<1.00	0.16
	11/28/23	<0.50	<0.10	11.4	<0.10	<0.50	<0.10	<1.00	0.11
	12/05/23	<0.50	<0.10	7.92	<0.10	<0.50	<0.10	<1.00	0.21
12/12/23	<0.50	<0.10	<0.69	<0.10	<0.50	<0.10	<1.00	0.22	

Readings with the symbol "<" indicate sample was below the detection limit listed.

As shown in **Table 1**, there are no direct comparisons between the continuous monitoring data and BTEX grab samples collected. By way of example, in MS-04, Benzene and Xylene levels were generally higher in continuous data, but generally lower for Toluene and Ethylbenzene. For MS-12, there were not enough sensor detections to provide commentary on reliability.

## CONCLUSIONS

### Continuous TRS Monitoring

Based upon SCS's evaluation of continuous TRS monitoring as a surrogate for DMS monitoring, we cannot establish a correlation between TRS and DMS. This is due to both the lack of TRS detections in laboratory samples and due to the power requirements of the TRS continuous sampling. Therefore, continuous TRS monitoring is not considered a feasible surrogate for continuous DMS monitoring. SCS recommends removal of the TRS continuous monitoring stations. We will continue to collect 24-hour composite and grab samples for laboratory analysis of TRS and DMS as part of the EAMP.

### Continuous BTEX Monitoring

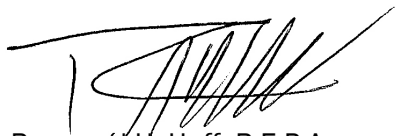
Based upon SCS's evaluation of continuous BTEX monitoring, there is no correlation of data in regard to laboratory versus continuous data, and we are concerned that future collection of continuous

Mr. Steve Cassulo  
December 22, 2023  
Page 6 of 6

BTEX data will only serve to confuse the data review process. Since the laboratory is state-certified and provides quality assurance and quality control (QA/QC) data along with its reports, the laboratory data is much more reliable than the continuous monitoring data. Therefore, we recommend removal of the BTEX continuous monitoring stations. We will continue to collect 24-hour composite and grab samples for laboratory analysis of BTEX as part of the EAMP.

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

Sincerely,



Raymond H. Huff, R.E.P.A.  
Vice President/Project Director  
**SCS Engineers**



Paul Schafer, C.I.E.C.  
Vice President/Project Director  
**SCS Engineers**

**ATTACHMENT A**  
**LABORATORY ANALYTICAL DATA**

## 24-Hour Composite Data





23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277

LABORATORY ANALYSIS REPORT

specialized air assessment laboratory

atmaa.com

TO-15 Component Analysis in Tedlar Bag Sample, by GC/MS

Report Date: September 18, 2023  
 Client: SCS Engineers  
 Project Location: Chiquita Canyon Air / Odor Sampling  
 Project No.: Not Given  
 Date Received: September 7, 2023  
 Date Analyzed: September 8-9, 2023


AtmAA Lab No.:	22503-6	22503-7	22503-8	22503-9
Sample ID:	MS-06	MS-07	MS-08	MS-09
Components	<i>(Concentrations in ppbv)</i>			
Freon 12	0.34	0.38	0.50	0.33
Chloromethane	0.40	0.42	0.58	0.40
Freon 114	<0.15	<0.15	<0.15	<0.15
Vinyl Chloride	<0.20	<0.20	<0.20	<0.20
1,3-Butadiene	<0.30	<0.30	<0.30	<0.30
Bromomethane	<0.30	<0.30	<0.30	<0.30
Chloroethane	<0.25	<0.25	<0.25	<0.25
Acetone	5.79	4.86	5.34	7.12
Freon 11	<0.20	<0.20	0.21	<0.20
Isopropyl Alcohol	<0.85	<0.85	<0.85	<0.85
1,1-Dichloroethene	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	<0.30	<0.30	<0.30	<0.30
Carbon Disulfide	<0.20	<0.20	<0.20	<0.20
Freon 113	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.30	<0.30	<0.30	<0.30
1,1-Dichloroethane	<0.30	<0.30	<0.30	<0.30
MTBE	<0.30	<0.30	<0.30	<0.30
Vinyl Acetate	<0.30	<0.30	<0.30	<0.30
2-Butanone	0.46	0.41	0.54	0.48
cis-1,2-Dichloroethene	<0.30	<0.30	<0.30	<0.30
n-Hexane	0.24	<0.30	<0.30	<0.30
Chloroform	<0.20	<0.20	<0.20	<0.20
Ethyl Acetate	1.37	1.43	1.48	0.62
Tetrahydrofuran	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	<0.30	<0.30	<0.30	<0.30
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20
Benzene	0.25	0.22	0.26	0.23
Carbon Tetrachloride	<0.20	<0.20	<0.20	<0.20
Cyclohexane	<0.30	<0.30	<0.30	<0.30
1,2-Dichloropropane	<0.30	<0.30	<0.30	<0.30
Bromodichloromethane	<0.30	<0.30	<0.30	<0.30
Trichloroethene	<0.20	<0.20	<0.20	<0.20
1,4-Dioxane	<0.30	<0.30	<0.30	<0.30
n-Heptane	<0.30	<0.30	<0.30	<0.30
cis-1,3-Dichloropropene	<0.30	<0.30	<0.30	<0.30
4-Methyl-2-pentanone	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	<0.30	<0.30	<0.30	<0.30
1,1,2-Trichloroethane	<0.30	<0.30	<0.30	<0.30
Toluene	0.46	0.73	0.76	0.72
2-Hexanone	<0.30	<0.30	<0.30	<0.30
Dibromochloromethane	<0.25	<0.25	<0.25	<0.25
1,2-Dibromoethane	<0.15	<0.15	<0.15	<0.15
Tetrachloroethene	<0.15	<0.15	<0.15	<0.15
Chlorobenzene	<0.25	<0.25	<0.25	<0.25
Ethylbenzene	<0.20	<0.20	<0.20	<0.20
m,p-Xylene	<0.20	0.29	0.37	0.22
Bromoform	<0.15	<0.15	<0.15	<0.15
Styrene	<0.25	<0.25	<0.25	<0.25
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25	<0.25
o-Xylene	<0.20	<0.20	<0.20	<0.20
Benzyl Chloride	<0.30	<0.30	<0.30	<0.30
4-Ethyl Toluene	<0.30	<0.30	<0.30	<0.30
1,3,5-Trimethyl Benzene	<0.30	<0.30	<0.30	<0.30
1,2,4-Trimethyl Benzene	<0.30	<0.30	<0.30	<0.30
1,3-Dichlorobenzene	<0.20	<0.20	<0.20	<0.20
1,4-Dichlorobenzene	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	<0.20	<0.20	<0.20	<0.20
1,2,4-Trichlorobenzene	<0.60	<0.60	<0.60	<0.60
Hexachlorobutadiene	<0.40	<0.40	<0.40	<0.40



TO-15 Component Analysis in Tedlar Bag Sample, by GC/MS

Report Date: September 18, 2023  
Client: SCS Engineers  
Project Location: Chiquita Canyon Air / Odor Sampling  
Project No.: Not Given  
Date Received: September 7, 2023  
Date Analyzed: September 8-9, 2023

AtmAA Lab No.:	22503-10	22503-11	22503-12
Sample ID:	MS-10	MS-11	MS-12
Components	(Concentrations in ppbv)		
Freon 12	0.87	0.36	0.32
Chloromethane	1.18	0.40	0.34
Freon 114	<0.15	<0.15	<0.15
Vinyl Chloride	<0.20	<0.20	<0.20
1,3-Butadiene	<0.30	<0.30	<0.30
Bromomethane	<0.30	<0.30	<0.30
Chloroethane	<0.25	<0.25	<0.25
Acetone	18.2	5.59	4.62
Freon 11	0.42	<0.20	<0.20
Isopropyl Alcohol	<0.85	<0.85	<0.85
1,1-Dichloroethene	<0.30	<0.30	<0.30
Methylene Chloride	<0.30	<0.30	<0.30
Carbon Disulfide	<0.20	<0.20	<0.20
Freon 113	0.21	<0.15	<0.15
trans-1,2-Dichloroethene	<0.30	<0.30	<0.30
1,1-Dichloroethane	<0.30	<0.30	<0.30
MTBE	<0.30	<0.30	<0.30
Vinyl Acetate	<0.30	<0.30	<0.30
2-Butanone	1.31	0.41	0.41
cis-1,2-Dichloroethene	<0.30	<0.30	<0.30
n-Hexane	0.32	<0.30	<0.30
Chloroform	<0.20	<0.20	<0.20
Ethyl Acetate	1.54	0.94	1.33
Tetrahydrofuran	<0.20	<0.20	<0.20
1,2-Dichloroethane	<0.30	<0.30	<0.30
1,1,1-Trichloroethane	<0.20	<0.20	<0.20
Benzene	0.51	0.16	<0.15
Carbon Tetrachloride	<0.20	<0.20	<0.20
Cyclohexane	<0.30	<0.30	<0.30
1,2-Dichloropropane	<0.30	<0.30	<0.30
Bromodichloromethane	<0.30	<0.30	<0.30
Trichloroethene	<0.20	<0.20	<0.20
1,4-Dioxane	<0.30	<0.30	<0.30
n-Heptane	<0.30	<0.30	<0.30
cis-1,3-Dichloropropene	<0.30	<0.30	<0.30
4-Methyl-2-pentanone	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	<0.30	<0.30	<0.30
1,1-2-Trichloroethane	<0.30	<0.30	<0.30
Toluene	1.27	0.43	0.41
2-Hexanone	<0.30	<0.30	<0.30
Dibromochloromethane	<0.25	<0.25	<0.25
1,2-Dibromoethane	<0.15	<0.15	<0.15
Tetrachloroethene	<0.15	<0.15	<0.15
Chlorobenzene	<0.25	<0.25	<0.25
Ethylbenzene	<0.20	<0.20	<0.20
m,p-Xylene	0.49	<0.20	<0.20
Bromoform	<0.15	<0.15	<0.15
Styrene	<0.25	<0.25	<0.25
1,1,2,2-Tetrachloroethane	<0.25	<0.25	<0.25
o-Xylene	0.23	<0.20	<0.20
Benzyl Chloride	<0.30	<0.30	<0.30
4-Ethyl Toluene	<0.30	<0.30	<0.30
1,3,5-Trimethyl Benzene	<0.30	<0.30	<0.30
1,2,4-Trimethyl Benzene	<0.30	<0.30	<0.30
1,3-Dichlorobenzene	<0.20	<0.20	<0.20
1,4-Dichlorobenzene	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	<0.20	<0.20	<0.20
1,2,4-Trichlorobenzene	<0.60	<0.60	<0.60
Hexachlorobutadiene	<0.40	<0.40	<0.40

  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Air / Odor Sampling  
 Date Received: September 7, 2023  
 Date Analyzed: September 8-9, 2023

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD	
		Run #1	Run #2			
		<i>(Concentration in ppbv)</i>				
Freon 12	MS-06	0.33	0.34	0.34	3.0	
Chloromethane	MS-06	0.38	0.42	0.40	10	
Freon 114	MS-06	<0.15	<0.15	---	---	
Vinyl Chloride	MS-06	<0.20	<0.20	---	---	
1,3-Butadiene	MS-06	<0.30	<0.30	---	---	
Bromomethane	MS-06	<0.30	<0.30	---	---	
Chloroethane	MS-06	<0.25	<0.25	---	---	
Acetone	MS-06	5.88	5.69	5.79	3.3	
Freon 11	MS-06	<0.20	<0.20	---	---	
Isopropyl Alcohol	MS-06	<0.85	<0.85	---	---	
1,1-Dichloroethene	MS-06	<0.30	<0.30	---	---	
Methylene Chloride	MS-06	<0.30	<0.30	---	---	
Carbon Disulfide	MS-06	<0.20	<0.20	---	---	
Freon 113	MS-06	<0.15	<0.15	---	---	
trans-1,2-Dichloroethene	MS-06	<0.30	<0.30	---	---	
1,1-Dichloroethane	MS-06	<0.30	<0.30	---	---	
MTBE	MS-06	<0.30	<0.30	---	---	
Vinyl Acetate	MS-06	<0.30	<0.30	---	---	
2-Butanone	MS-06	0.48	0.44	0.46	8.7	
cis-1,2-Dichloroethene	MS-06	<0.30	<0.30	---	---	
n-Hexane	MS-06	0.24	0.24	0.24	0.00	
Chloroform	MS-06	<0.20	<0.20	---	---	
Ethyl Acetate	MS-06	1.36	1.38	1.37	1.5	
Tetrahydrofuran	MS-06	<0.20	<0.20	---	---	
1,2-Dichloroethane	MS-06	<0.30	<0.30	---	---	



QUALITY ASSURANCE SUMMARY  
 (Repeat Analyses)  
 (continued)

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppbv)			
1,1,1-Trichloroethane	MS-06	<0.20	<0.20	---	---
Benzene	MS-06	0.23	0.26	0.25	12
Carbon Tetrachloride	MS-06	<0.20	<0.20	---	---
Cyclohexane	MS-06	<0.30	<0.30	---	---
1,2-Dichloropropane	MS-06	<0.30	<0.30	---	---
Bromodichloromethane	MS-06	<0.30	<0.30	---	---
Trichloroethene	MS-06	<0.20	<0.20	---	---
1,4-Dioxane	MS-06	<0.30	<0.30	---	---
n-Heptane	MS-06	<0.30	<0.30	---	---
cis-1,3-Dichloropropene	MS-06	<0.30	<0.30	---	---
4-Methyl-2-pentanone	MS-06	<0.30	<0.30	---	---
trans-1,3-Dichloropropene	MS-06	<0.30	<0.30	---	---
1,1-2-Trichloroethane	MS-06	<0.30	<0.30	---	---
Toluene	MS-06	0.44	0.47	0.46	6.6
2-Hexanone	MS-06	<0.30	<0.30	---	---
Dibromochloromethane	MS-06	<0.25	<0.25	---	---
1,2-Dibromoethane	MS-06	<0.15	<0.15	---	---
Tetrachloroethene	MS-06	<0.15	<0.15	---	---
Chlorobenzene	MS-06	<0.25	<0.25	---	---
Ethylbenzene	MS-06	<0.20	<0.20	---	---
m,p-Xylene	MS-06	<0.20	<0.20	---	---
Bromoform	MS-06	<0.15	<0.15	---	---
Styrene	MS-06	<0.25	<0.25	---	---
1,1,1,2-Tetrachloroethane	MS-06	<0.25	<0.25	---	---
o-Xylene	MS-06	<0.20	<0.20	---	---
Benzyl Chloride	MS-06	<0.30	<0.30	---	---



QUALITY ASSURANCE SUMMARY  
 (Repeat Analyses)  
 (continued)

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
4-Ethyl Toluene	MS-06	<0.30	<0.30	---	---
1,3,5-Trimethyl Benzene	MS-06	<0.30	<0.30	---	---
1,2,4-Trimethyl Benzene	MS-06	<0.30	<0.30	---	---
1,3-Dichlorobenzene	MS-06	<0.20	<0.20	---	---
1,4-Dichlorobenzene	MS-06	<0.20	<0.20	---	---
1,2-Dichlorobenzene	MS-06	<0.20	<0.20	---	---
1,2,4-Trichlorobenzene	MS-06	<0.60	<0.60	---	---
Hexachlorobutadiene	MS-06	<0.40	<0.40	---	---

Seven Tedlar bag samples, laboratory numbers 22503-(6-12), were analyzed for TO-15 components by GC/MS. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 8 repeat measurements from 7 Tedlar bag samples is 5.6%.





### LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: September 18, 2023  
Client: SCS Engineers  
Project Location: Chiquita Canyon Air / Odor Sampling  
Project No.: Not Given  
Date Received: September 7, 2023  
Date Analyzed: September 7, 2023

### ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.:	22503-6	22503-7	22503-8	22503-9
Sample I.D.:	MS-06	MS-07	MS-08	MS-09

Components	(Concentration in ppbv)			
Hydrogen sulfide	<25	<25	<25	<25
Carbonyl sulfide	<30	<30	<30	<30
Methyl mercaptan	<25	<25	<25	<25
Ethyl mercaptan	<25	<25	<25	<25
Dimethyl sulfide	<25	<25	<25	<25
Carbon disulfide	<25	<25	<25	<25
i-Propyl mercaptan	<25	<25	<25	<25
t-Butyl mercaptan	<25	<25	<25	<25
n-Propyl mercaptan	<25	<25	<25	<25
s-Butyl mercaptan	<25	<25	<25	<25
i-Butyl mercaptan	<25	<25	<25	<25
Dimethyl disulfide	<25	<25	<25	<25
Tetrahydrothiophene	<25	<25	<25	<25
Unidentified sulfurs	<25	<25	<25	<25

(Concentration in ppbv, as H<sub>2</sub>S)

Total Sulfur	ND	ND	ND	ND
--------------	----	----	----	----

ND - Not Detected



**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: September 18, 2023  
Client: SCS Engineers  
Project Location: Chiquita Canyon Air / Odor Sampling  
Project No.: Not Given  
Date Received: September 7, 2023  
Date Analyzed: September 7, 2023

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.:	22503-10	22503-11	22503-12
Sample I.D.:	MS-10	MS-11	MS-12

Components	(Concentration in ppbv)		
Hydrogen sulfide	<25	<25	<25
Carbonyl sulfide	<30	<30	<30
Methyl mercaptan	<25	<25	<25
Ethyl mercaptan	<25	<25	<25
Dimethyl sulfide	<25	<25	<25
Carbon disulfide	<25	<25	<25
i-Propyl mercaptan	<25	<25	<25
t-Butyl mercaptan	<25	<25	<25
n-Propyl mercaptan	<25	<25	<25
s-Butyl mercaptan	<25	<25	<25
i-Butyl mercaptan	<25	<25	<25
Dimethyl disulfide	<25	<25	<25
Tetrahydrothiophene	<25	<25	<25
Unidentified sulfurs	<25	<25	<25

(Concentration in ppbv, as H<sub>2</sub>S)

Total Sulfur	ND	ND	ND
--------------	----	----	----

ND - Not Detected

  
 Brian W. Fung  
 Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Air / Odor Sampling  
 Date Received: September 7, 2023  
 Date Analyzed: September 7, 2023

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppbv)			
Hydrogen sulfide	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
Carbonyl sulfide	MS-06	<30	<30	---	---
	MS-07	<30	<30	---	---
	MS-08	<30	<30	---	---
	MS-09	<30	<30	---	---
	MS-10	<30	<30	---	---
	MS-11	<30	<30	---	---
	MS-12	<30	<30	---	---
Methyl mercaptan	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
Ethyl mercaptan	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
Dimethyl sulfide	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
Carbon disulfide	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---





QUALITY ASSURANCE SUMMARY  
*(Repeat Analyses)*  
*(continued)*

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppbv)</i>			
i-Propyl mercaptan	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
t-Butyl mercaptan	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
n-Propyl mercaptan	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
s-Butyl mercaptan	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
i-Butyl mercaptan	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
Dimethyl disulfide	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---



QUALITY ASSURANCE SUMMARY  
*(Repeat Analyses)*  
*(continued)*

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppbv)</i>			
Tetrahydrothiophene	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---
Unidentified sulfurs	MS-06	<25	<25	---	---
	MS-07	<25	<25	---	---
	MS-08	<25	<25	---	---
	MS-09	<25	<25	---	---
	MS-10	<25	<25	---	---
	MS-11	<25	<25	---	---
	MS-12	<25	<25	---	---

*Seven Tedlar bag samples, laboratory numbers 22503-(6-12), were analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD".*



CHAIN OF CUSTODY RECORD

Client/Project Name *S&S Engineers / Chiquita Canyon Landfill Air/Odor Sampling*

Project Location *Valencia, CA*

Field Logbook No. *307.91 Sulfur TO-15 Full List*

ANALYSES

Project No. *Charles Roberts*

(Signature) *C. Roberts*

No. Of Containers *7*

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Remarks
MS-06	9-6/7-23	0920-0920	22503-6	Ambient Air	X
MS-07	9-6/7-23	0900-0900	.7		X
MS-08	9-6/7-23	0900-0900	.8		X
MS-09	9-6/7-23	0900-0900	.9		X
MS-10	9-6/7-23	0900-0900	.10		X
MS-11	9-6/7-23	0950-0950	.11		X
MS-12	9-6/7-23	0900-0900	.12		X

Relinquished by: (Signature) *C. Roberts* Date *9-7-23* Time *1325* Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

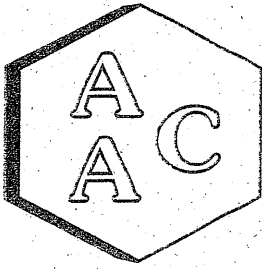
Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received for Laboratory: (Signature) *[Signature]* Date *9/7/23* Time *13:25*

Sample Disposal Method: \_\_\_\_\_ Disposed of by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Sample Collector **RTS Environmental Inc.**  
 865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

Analytical Laboratory *ATMAA Inc.*



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 231800 Rev 1  
REPORT DATE : 11/15/2023

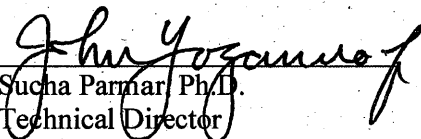
On September 12, 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID
MS-06	231800-48641
MS-07	231800-48642
MS-08	231800-48643
MS-09	231800-48644
MS-10	231800-48645
MS-11	231800-48646
MS-12	231800-48647

**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](http://www.aaclab.com).**

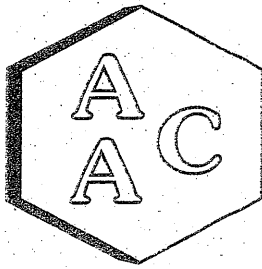
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

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

  
Sucha Parmar, Ph.D.  
Technical Director

*Amended Report 231800 Rev 1 supersedes Original Report 231800. The amended report was issued on 11/15/2023. A malfunction in the autosampler for the analytical instrument was discovered, where no sample volume was analyzed, leading to the undetected results observed for each analyte in all samples.*





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

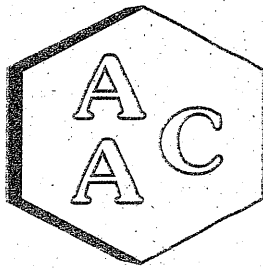
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231800 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231800-48641				231800-48642				
<i>Date Sampled</i>		09/11/2023				09/11/2023				
<i>Date Analyzed</i>		09/12/2023				09/12/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231800 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

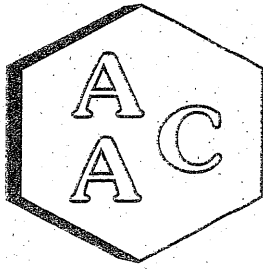
DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### 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		231800-48641				231800-48642				
Date Sampled		09/11/2023				09/11/2023				
Date Analyzed		09/12/2023				09/12/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery										
			112%				111%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

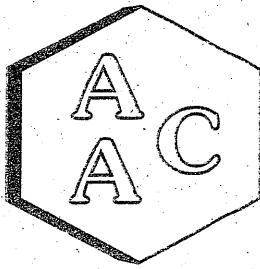
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231800 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### 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		231800-48643				231800-48644				
Date Sampled		09/11/2023				09/11/2023				
Date Analyzed		09/12/2023				09/12/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231800 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

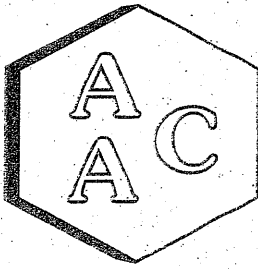
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231800-48643				231800-48644				
Date Sampled		09/11/2023				09/11/2023				
Date Analyzed		09/12/2023				09/12/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			112%				114%		70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

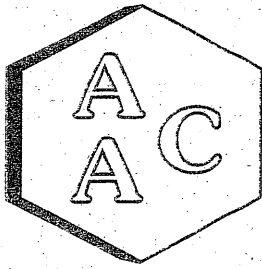
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231800 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<b>MS-10</b>			<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>MS-11</b>			<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>	231800-48645			231800-48646						
<i>Date Sampled</i>	09/11/2023			09/11/2023						
<i>Date Analyzed</i>	09/12/2023			09/12/2023						
<i>Can Dilution Factor</i>	1.00			1.00						
<i>Compound</i>	<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>							
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231800 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

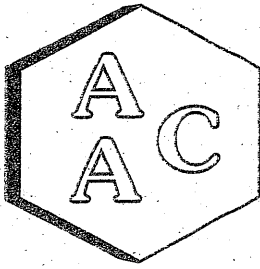
**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### 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		231800-48645				231800-48646				
Date Sampled		09/11/2023				09/11/2023				
Date Analyzed		09/12/2023				09/12/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		108%				110%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

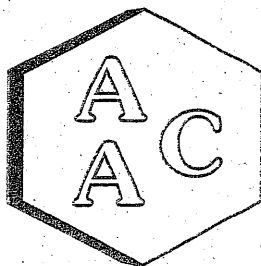
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231800 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-12		Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231800-48647			
<i>Date Sampled</i>		09/11/2023			
<i>Date Analyzed</i>		09/12/2023			
<i>Can Dilution Factor</i>		1.00			
<i>Compound</i>	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	0.50
Methanol	<SRL	U	1	2.00	2.00
1,3-Butadiene	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	0.50
Ethanol	<SRL	U	1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	0.50
Acetone	<SRL	U	1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	<SRL	U	1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231800 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

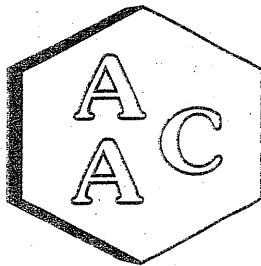
DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		Result	Qualifier	Analysis DF		
Date Sampled	231800-48647	<SRL	U	1	0.50	0.50
Date Analyzed	09/11/2023	<SRL	U	1	0.50	0.50
Can Dilution Factor	09/12/2023	<SRL	U	1	0.50	0.50
Compound	1.00	<SRL	U	1	0.50	0.50
Carbon Tetrachloride		<SRL	U	1	0.50	0.50
Cyclohexane		<SRL	U	1	0.50	0.50
1,2-Dichloropropane		<SRL	U	1	0.50	0.50
Bromodichloromethane		<SRL	U	1	0.50	0.50
1,4-Dioxane		<SRL	U	1	1.00	1.00
Trichloroethene (TCE)		<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane		<SRL	U	1	0.50	0.50
Heptane		<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene		<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)		<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene		<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane		<SRL	U	1	0.50	0.50
Toluene		<SRL	U	1	0.50	0.50
2-Hexanone (MBK)		<SRL	U	1	1.00	1.00
Dibromochloromethane		<SRL	U	1	0.50	0.50
1,2-Dibromoethane		<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)		<SRL	U	1	0.50	0.50
Chlorobenzene		<SRL	U	1	0.50	0.50
Ethylbenzene		<SRL	U	1	0.50	0.50
m & p-Xylene		<SRL	U	1	1.00	1.00
Bromoform		<SRL	U	1	0.50	0.50
Styrene		<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane		<SRL	U	1	0.50	0.50
o-Xylene		<SRL	U	1	0.50	0.50
4-Ethyltoluene		<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene		<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene		<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)		<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene		<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene		<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene		<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene		<SRL	U	1	0.50	0.50
Hexachlorbutadiene		<SRL	U	1	0.50	0.50
IFB-Surrogate Std. % Recovery			112%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/12/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	10.75	114
Chlorodifluoromethane	5.20	4.55	88
Propene	5.30	4.24	80
Dichlorodifluoromethane	5.20	5.08	98
Dimethyl Ether	5.10	4.04	79
Chloromethane	5.20	4.95	95
Dichlorotetrafluoroethane	5.15	5.20	101
Vinyl Chloride	5.25	4.64	88
Acetaldehyde	10.55	8.62	82
Methanol	9.40	6.69	71
1,3-Butadiene	5.30	4.60	87
Bromomethane	5.20	5.83	112
Chloroethane	5.15	4.46	87
Dichlorofluoromethane	5.10	4.92	96
Ethanol	5.60	4.45	79
Vinyl Bromide	5.05	5.02	99
Acrolein	5.55	4.84	87
Acetone	5.30	4.32	82
Trichlorofluoromethane	5.25	5.37	102
2-Propanol (IPA)	5.50	4.12	75
Acrylonitrile	5.60	4.84	86
1,1-Dichloroethene	5.20	5.14	99
Methylene Chloride (DCM)	5.25	4.88	93
TertButanol (TBA)	5.55	4.26	77
Allyl Chloride	5.10	4.40	86
Carbon Disulfide	5.25	5.01	95
Trichlorotrifluoroethane	5.20	5.19	100
trans-1,2-Dichloroethene	5.30	5.19	98
1,1-Dichloroethane	5.25	4.79	91
Methyl Tert Butyl Ether (MTBE)	5.25	4.44	85
Vinyl Acetate	5.50	4.92	89
2-Butanone (MEK)	5.30	4.61	87
cis-1,2-Dichloroethene	5.25	5.02	96
Hexane	5.35	4.97	93
Chloroform	5.30	5.21	98
Ethyl Acetate	5.30	4.44	84
Tetrahydrofuran	5.10	4.47	88
1,2-Dichloroethane	5.25	5.13	98
1,1,1-Trichloroethane	5.20	5.12	98
Benzene	5.30	5.11	96
Carbon Tetrachloride	5.10	5.92	116
Cyclohexane	5.25	5.01	95

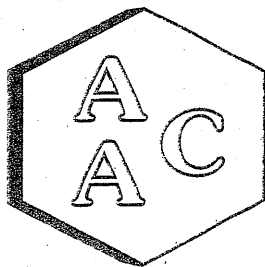
Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.68	89
Bromodichloromethane	5.20	5.48	105
1,4-Dioxane	5.20	5.51	106
Trichloroethene (TCE)	5.20	5.47	105
2,2,4-Trimethylpentane	5.00	4.69	94
Methyl Methacrylate	5.50	4.98	91
Heptane	5.25	5.08	97
cis-1,3-Dichloropropene	5.20	5.01	96
4-Methyl-2-pentanone (MIBK)	5.20	5.62	108
trans-1,3-Dichloropropene	5.25	5.03	96
1,1,2-Trichloroethane	5.25	5.27	100
Toluene	5.30	5.23	99
2-Hexanone (MBK)	5.25	5.43	103
Dibromochloromethane	5.15	5.76	112
1,2-Dibromoethane	5.30	5.48	103
Tetrachloroethene (PCE)	5.20	5.78	111
Chlorobenzene	5.30	5.06	95
Ethylbenzene	5.25	5.07	97
m & p-Xylene	10.50	10.49	100
Bromoform	5.25	5.65	108
Styrene	5.25	5.11	97
1,1,2,2-Tetrachloroethane	5.25	5.05	96
o-Xylene	5.25	5.06	96
1,2,3-Trichloropropane	5.50	5.47	99
Isopropylbenzene (Cumene)	5.15	5.18	101
α-Pinene	5.35	5.32	99
2-Chlorotoluene	5.15	4.80	93
n-Propylbenzene	5.05	4.99	99
4-Ethyltoluene	5.15	5.03	98
1,3,5-Trimethylbenzene	5.15	5.07	98
β-Pinene	5.50	5.98	109
1,2,4-Trimethylbenzene	5.15	4.95	96
Benzyl Chloride (a-Chlorotoluene)	5.20	4.49	86
1,3-Dichlorobenzene	5.20	5.28	102
1,4-Dichlorobenzene	5.15	5.11	99
Sec-ButylBenzene	5.05	4.98	99
1,2-Dichlorobenzene	5.30	5.41	102
n-ButylBenzene	5.10	4.92	96
1,2-Dibromo-3-Chloropropane	5.05	4.77	94
1,2,4-Trichlorobenzene	5.50	5.55	101
Napthalene	5.75	5.85	102
Hexachlorobutadiene	5.50	5.78	105

<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/12/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

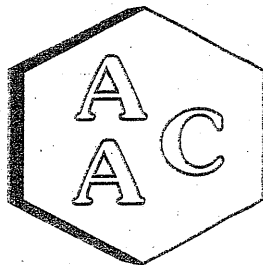
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	10.75	10.82	114	115	0.6
1,1-Dichloroethene	0.0	5.20	5.14	5.04	99	97	2.0
Methylene Chloride (DCM)	0.0	5.25	4.88	4.74	93	90	2.9
Benzene	0.0	5.30	5.11	5.19	96	98	1.6
Trichloroethene (TCE)	0.0	5.20	5.47	5.61	105	108	2.5
Toluene	0.0	5.30	5.23	5.45	99	103	4.1
Tetrachloroethene (PCE)	0.0	5.20	5.78	5.81	111	112	0.5
Chlorobenzene	0.0	5.30	5.06	5.19	95	98	2.5
Ethylbenzene	0.0	5.25	5.07	5.14	97	98	1.4
m & p-Xylene	0.0	10.50	10.49	10.51	100	100	0.2
o-Xylene	0.0	5.25	5.06	5.15	96	98	1.8

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

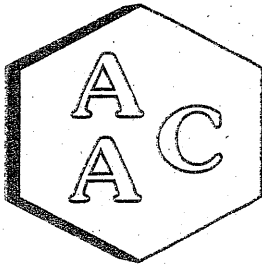
ANALYSIS DATE : 09/12/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 091223	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 091223	Reporting Limit (RL)
4-BFB (surrogate standard)	112%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	2.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MiBK)	<RL	1.0
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	0.5	2-Hexanone (MBK)	<RL	2.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	1.0	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	0.5
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	1.0	β-Pinene	<RL	0.5
2-Butanone (MEK)	<RL	1.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-ButylBenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-ButylBenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	1.0
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/12/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : MB  
 DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: CCV/LCSD

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	10.8	10.8	0.6
Chlorodifluoromethane	4.55	4.60	1.1
Propene	4.24	4.14	2.4
Dichlorodifluoromethane	5.08	5.11	0.6
Dimethyl Ether	4.04	4.01	0.7
Chloromethane	4.95	4.63	6.7
Dichlorotetrafluoroethane	5.20	5.20	0.0
Vinyl Chloride	4.64	4.74	2.1
Acetaldehyde	8.62	8.94	3.6
Methanol	6.69	6.67	0.3
1,3-Butadiene	4.60	4.69	1.9
Bromomethane	5.83	5.48	6.2
Chloroethane	4.46	4.14	7.4
Dichlorofluoromethane	4.92	5.09	3.4
Ethanol	4.45	4.40	1.1
Vinyl Bromide	5.02	4.95	1.4
Acrolein	4.84	4.47	7.9
Acetone	4.32	4.56	5.4
Trichlorofluoromethane	5.37	5.29	1.5
2-Propanol (IPA)	4.12	4.14	0.5
Acrylonitrile	4.84	4.97	2.7
1,1-Dichloroethene	5.14	5.04	2.0
Methylene Chloride (DCM)	4.88	4.74	2.9
TertButanol (TBA)	4.26	4.18	1.9
Allyl Chloride	4.40	4.47	1.6
Carbon Disulfide	5.01	4.95	1.2
Trichlorotrifluoroethane	5.19	5.03	3.1
trans-1,2-Dichloroethene	5.19	5.05	2.7
1,1-Dichloroethane	4.79	4.75	0.8
Methyl Tert Butyl Ether (MTBE)	4.44	4.52	1.8
Vinyl Acetate	4.92	4.86	1.2
2-Butanone (MEK)	4.61	4.59	0.4
cis-1,2-Dichloroethene	5.02	4.85	3.4
Hexane	4.97	4.56	8.6
Chloroform	5.21	5.06	2.9
Ethyl Acetate	4.44	4.23	4.8
Tetrahydrofuran	4.47	4.27	4.6
1,2-Dichloroethane	5.13	4.95	3.6
1,1,1-Trichloroethane	5.12	5.17	1.0
Benzene	5.11	5.19	1.6
Carbon Tetrachloride	5.92	6.22	4.9
Cyclohexane	5.01	5.29	5.4

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
1,2-Dichloropropane	4.68	4.88	4.2
Bromodichloromethane	5.48	5.80	5.7
1,4-Dioxane	5.51	5.56	0.9
Trichloroethene (TCE)	5.47	5.61	2.5
2,2,4-Trimethylpentane	4.69	4.59	2.2
Methyl Methacrylate	4.98	5.03	1.0
Heptane	5.08	4.81	5.5
cis-1,3-Dichloropropene	5.01	5.19	3.5
4-Methyl-2-pentanone (MiBK)	5.62	5.65	0.5
trans-1,3-Dichloropropene	5.03	5.30	5.2
1,1,2-Trichloroethane	5.27	5.49	4.1
Toluene	5.23	5.45	4.1
2-Hexanone (MBK)	5.43	5.50	1.3
Dibromochloromethane	5.76	5.74	0.3
1,2-Dibromoethane	5.48	5.71	4.1
Tetrachloroethene (PCE)	5.78	5.81	0.5
Chlorobenzene	5.06	5.19	2.5
Ethylbenzene	5.07	5.14	1.4
m & p-Xylene	10.5	10.5	0.2
Bromoform	5.65	5.90	4.3
Styrene	5.11	5.24	2.5
1,1,2,2-Tetrachloroethane	5.05	5.23	3.5
o-Xylene	5.06	5.15	1.8
1,2,3-Trichloropropane	5.47	5.93	8.1
Isopropylbenzene (Cumene)	5.18	5.22	0.8
α-Pinene	5.32	5.45	2.4
2-Chlorotoluene	4.80	5.18	7.6
n-Propylbenzene	4.99	4.97	0.4
4-Ethyltoluene	5.03	5.11	1.6
1,3,5-Trimethylbenzene	5.07	5.13	1.2
β-Pinene	5.98	6.01	0.5
1,2,4-Trimethylbenzene	4.95	5.20	4.9
Benzyl Chloride (a-Chlorotoluene)	4.49	4.77	6.0
1,3-Dichlorobenzene	5.28	5.35	1.3
1,4-Dichlorobenzene	5.11	5.38	5.1
Sec-ButylBenzene	4.98	5.13	3.0
1,2-Dichlorobenzene	5.41	5.43	0.4
n-ButylBenzene	4.92	4.98	1.2
1,2-Dibromo-3-Chloropropane	4.77	4.90	2.7
1,2,4-Trichlorobenzene	5.55	5.87	5.6
Naphthalene	5.85	5.97	2.0
Hexachlorobutadiene	5.78	5.78	0.0

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)





CHAIN OF CUSTODY RECORD 221800

Client/Project Name SCS Engineers

Project Location

Chiquita Canyon Landfill Air/odor Sampling

Valencia, CA

Project No.

Field Logbook No.

Sampler: (Print)

Charles Roberts

(Signature)

*CR*

No. Of Containers

7

ANALYSES

307.91 Sulfur  
70-15 Full List

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-06	9-11/12-23	0900-0900	48641	Ambient Air	<i>[Signature]</i>	9/12/23	1350	
MS-07	9-11/12-23	0900-0900	48642		<i>[Signature]</i>			
MS-08	9-11/12-23	0900-0900	48643		<i>[Signature]</i>			
MS-09	9-11/12-23	0900-0900	48644		<i>[Signature]</i>			
MS-10	9-11/12-23	0900-0900	48645		<i>[Signature]</i>			
MS-11	9-11/12-23	0940-0940	48646		<i>[Signature]</i>			
MS-12	9-11/12-23	0900-0900	48647		<i>[Signature]</i>			

Relinquished by: (Signature)

*CR*

Date

9-12-23

Time

1350

Received by: (Signature)

*[Signature]*

Date

9/12/23

Time

1350

Relinquished by: (Signature)

Relinquished by: (Signature)

Sample Disposal Method:

Disposed of by: (Signature)

Sample Collector

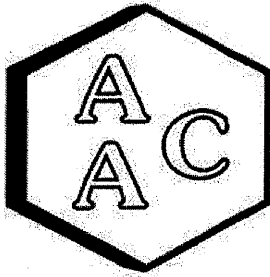
Analytical Laboratory



Environmental Inc.

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

AAC Ventura



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 231856  
REPORT DATE : 09/21/2023

On September 19, 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

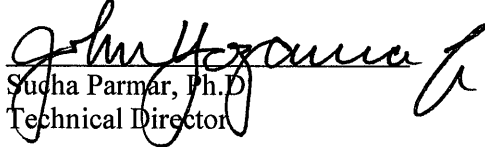
Client ID	Lab ID
MS-06	231856-48888
MS-07	231856-48889
MS-08	231856-48890
MS-09	231856-48891
MS-10	231856-48892
MS-11	231856-48893
MS-12	231856-48894

**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](http://www.aaclab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

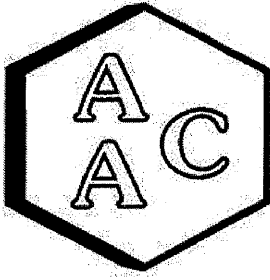
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sudha Parmar, Ph.D.  
Technical Director

This report consists of 14 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

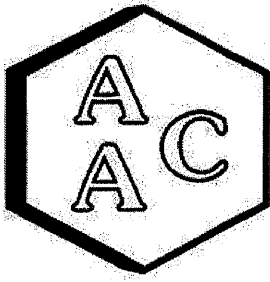
CLIENT : SCS Engineers  
 PROJECT NO : 231856  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/19/2023  
 DATE REPORTED : 09/21/2023  
 ANALYST : DL

### 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		231856-48888				231856-48889				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.54		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	12.0		1	5.00	14.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	7.21		1	2.00	9.02		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	6.13		1	2.00	4.99		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	1.42		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231856  
 MATRIX : AIR  
 UNITS : PPB (v/v)

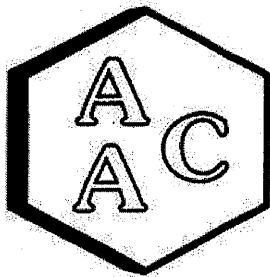
DATE RECEIVED : 09/19/2023  
 DATE REPORTED : 09/21/2023  
 ANALYST : DL

### 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		231856-48888				231856-48889				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	0.55		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			114%				111%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

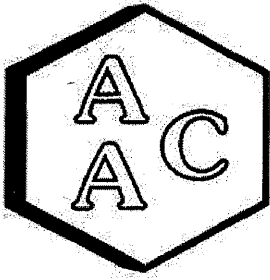
CLIENT : SCS Engineers  
 PROJECT NO : 231856  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/19/2023  
 DATE REPORTED : 09/21/2023  
 ANALYST : DL

### 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		231856-48890				231856-48891				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	13.2		1	5.00	12.8		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	7.66		1	2.00	8.24		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	5.38		1	2.00	7.40		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.20		1	0.50	1.37		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231856  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

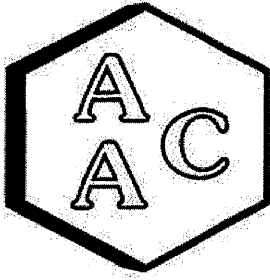
**DATE RECEIVED :** 09/19/2023  
**DATE REPORTED :** 09/21/2023  
**ANALYST :** DL

### 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		231856-48890			231856-48891		231856-48891			231856-48891		231856-48891	
Date Sampled		09/19/2023			09/19/2023		09/19/2023			09/19/2023		09/19/2023	
Date Analyzed		09/20/2023			09/20/2023		09/20/2023			09/20/2023		09/20/2023	
Can Dilution Factor		1.00			1.00		1.00			1.00		1.00	
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	Method Reporting Limit (MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		116%			112%			112%			70-130%		

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

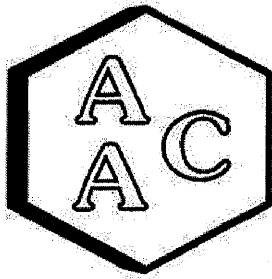
CLIENT : SCS Engineers  
 PROJECT NO : 231856  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/19/2023  
 DATE REPORTED : 09/21/2023  
 ANALYST : DL

### 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		231856-48892				231856-48893				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.51		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	14.7		1	5.00	13.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	9.22		1	2.00	7.01		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	6.52		1	2.00	5.63		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.20		1	0.50	1.43		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231856  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/19/2023  
 DATE REPORTED : 09/21/2023  
 ANALYST : DL

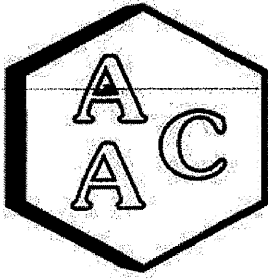
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRL×DF's)	MS-11			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID		231856-48892				231856-48893				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRL×DF's)	Result	Qualifier	Analysis DF	(MRL×DF's)		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	0.51		1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		113%				116%			70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231856  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/19/2023  
 DATE REPORTED : 09/21/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>MS-12</i>			<i>Sample Reporting Limit (SRL) (MRL×DF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		<i>231856-48894</i>				
<i>Date Sampled</i>		<i>09/19/2023</i>				
<i>Date Analyzed</i>		<i>09/20/2023</i>				
<i>Can Dilution Factor</i>		<i>1.00</i>				
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	0.50	
Methanol	13.3			5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	0.50	
Ethanol	8.11			2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	0.50	
Acetone	4.64			2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.65			0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.50	



**Laboratory Analysis Report**

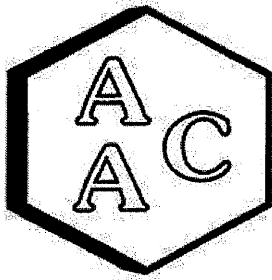
CLIENT : SCS Engineers  
 PROJECT NO : 231856  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/19/2023  
 DATE REPORTED : 09/21/2023  
 ANALYST : DL

**VOLATILE ORGANIC COMPOUNDS BY EPA TO-15**

<i>Client ID</i>	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>	231856-48894				
<i>Date Sampled</i>	09/19/2023				
<i>Date Analyzed</i>	09/20/2023				
<i>Can Dilution Factor</i>	1.00				
<i>Compound</i>	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	0.50
Toluene	<SRL	U	1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		118%			70-130%

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



# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/20/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MS1-051623-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	10.37	110
Chlorodifluoromethane	5.20	4.58	88
Propene	5.30	4.15	78
Dichlorodifluoromethane	5.20	5.22	100
Dimethyl Ether	5.10	4.07	80
Chloromethane	5.20	5.07	98
Dichlorotetrafluoroethane	5.15	5.17	100
Vinyl Chloride	5.25	4.97	95
Acetaldehyde	10.55	8.15	77
Methanol	9.40	6.64	71
1,3-Butadiene	5.30	4.73	89
Bromomethane	5.20	5.84	112
Chloroethane	5.15	4.44	86
Dichlorofluoromethane	5.10	5.04	99
Ethanol	5.60	4.60	82
Vinyl Bromide	5.05	5.01	99
Acrolein	5.55	4.46	80
Acetone	5.30	4.55	86
Trichlorofluoromethane	5.25	5.39	103
2-Propanol (IPA)	5.50	4.25	77
Acrylonitrile	5.60	4.58	82
1,1-Dichloroethene	5.20	5.06	97
Methylene Chloride (DCM)	5.25	4.95	94
TertButanol (TBA)	5.55	4.84	87
Allyl Chloride	5.10	4.44	87
Carbon Disulfide	5.25	4.95	94
Trichlorotrifluoroethane	5.20	5.00	96
trans-1,2-Dichloroethene	5.30	5.24	99
1,1-Dichloroethane	5.25	4.82	92
Methyl Tert Butyl Ether (MTBE)	5.25	4.48	85
Vinyl Acetate	5.50	4.78	87
2-Butanone (MEK)	5.30	4.71	89
cis-1,2-Dichloroethene	5.25	5.02	96
Hexane	5.35	5.27	99
Chloroform	5.30	5.16	97
Ethyl Acetate	5.30	4.31	81
Tetrahydrofuran	5.10	4.16	82
1,2-Dichloroethane	5.25	5.09	97
1,1,1-Trichloroethane	5.20	5.13	99
Benzene	5.30	5.13	97
Carbon Tetrachloride	5.10	6.40	125
Cyclohexane	5.25	5.34	102

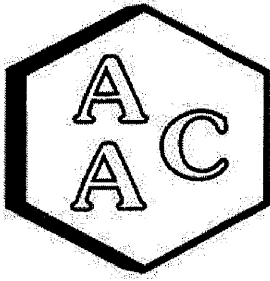
Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.94	94
Bromodichloromethane	5.20	5.60	108
1,4-Dioxane	5.20	5.71	110
Trichloroethene (TCE)	5.20	5.37	103
2,2,4-Trimethylpentane	5.00	4.72	94
Methyl Methacrylate	5.50	4.88	89
Heptane	5.25	5.14	98
cis-1,3-Dichloropropene	5.20	5.02	97
4-Methyl-2-pentanone (MiBK)	5.20	5.77	111
trans-1,3-Dichloropropene	5.25	5.14	98
1,1,2-Trichloroethane	5.25	5.45	104
Toluene	5.30	5.34	101
2-Hexanone (MBK)	5.25	5.66	108
Dibromochloromethane	5.15	5.64	110
1,2-Dibromoethane	5.30	5.28	100
Tetrachloroethene (PCE)	5.20	5.65	109
Chlorobenzene	5.30	5.06	95
Ethylbenzene	5.25	5.16	98
m & p-Xylene	10.50	10.47	100
Bromoform	5.25	5.89	112
Styrene	5.25	5.06	96
1,1,2,2-Tetrachloroethane	5.25	5.24	100
o-Xylene	5.25	5.13	98
1,2,3-Trichloropropane	5.50	5.30	96
Isopropylbenzene (Cumene)	5.15	5.26	102
α-Pinene	5.35	5.47	102
2-Chlorotoluene	5.15	4.89	95
n-Propylbenzene	5.05	4.93	98
4-Ethyltoluene	5.15	5.22	101
1,3,5-Trimethylbenzene	5.15	5.20	101
β-Pinene	5.50	5.94	108
1,2,4-Trimethylbenzene	5.15	5.05	98
Benzyl Chloride (a-Chlorotoluene)	5.20	4.66	90
1,3-Dichlorobenzene	5.20	5.30	102
1,4-Dichlorobenzene	5.15	5.20	101
Sec-ButylBenzene	5.05	5.02	99
1,2-Dichlorobenzene	5.30	5.32	100
n-ButylBenzene	5.10	4.81	94
1,2-Dibromo-3-Chloropropane	5.05	4.83	96
1,2,4-Trichlorobenzene	5.50	5.71	104
Naphthalene	5.75	6.00	104
Hexachlorobutadiene	5.50	5.89	107

<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/20/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

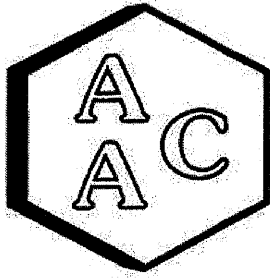
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	10.37	10.01	110	106	3.5
1,1-Dichloroethene	0.0	5.20	5.06	4.86	97	93	4.0
Methylene Chloride (DCM)	0.0	5.25	4.95	4.95	94	94	0.0
Benzene	0.0	5.30	5.13	5.08	97	96	1.0
Trichloroethene (TCE)	0.0	5.20	5.37	5.44	103	105	1.3
Toluene	0.0	5.30	5.34	5.42	101	102	1.5
Tetrachloroethene (PCE)	0.0	5.20	5.65	5.81	109	112	2.8
Chlorobenzene	0.0	5.30	5.06	5.01	95	95	1.0
Ethylbenzene	0.0	5.25	5.16	5.06	98	96	2.0
m & p-Xylene	0.0	10.50	10.47	10.12	100	96	3.4
o-Xylene	0.0	5.25	5.13	5.02	98	96	2.2

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 09/20/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

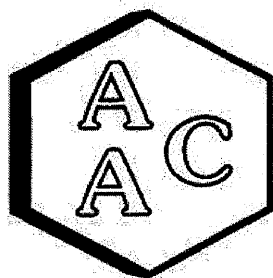
INSTRUMENT ID : GC/MS-03  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 092023	Reporting Limit (RL)
4-BFB (surrogate standard)	108%	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	1.0
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 092023	Reporting Limit (RL)
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	2.0
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	1.0
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	2.0
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 (α-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	1.0
Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/20/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 231856-48893

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	10.9	10.7	1.6
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	0.51	0.51	0.0
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde J	3.86	4.19	8.2
Methanol	13.7	14.6	6.3
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	7.01	6.88	1.9
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	5.63	5.45	3.2
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	1.43	1.45	1.4
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 <sup>2</sup>
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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



**CHAIN OF CUSTODY RECORD**

**Project Location**

Valencia, CA

**ANALYSES**

Client/Project Name SCS Engineers/  
Chiquita Canyon Landfill Air/odor Sampling

Field Logbook No.

231856

Sampler: (Print)

Charles Roberts

(Signature)

*C. Roberts*

No. Of Containers

7

307.91 Sulfur  
T0-15 Full List

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-06	9-18/19-23	0900-0900	48888	Ambient Air	<i>X</i>			
MS-07	9-18/19-23	0900-0900	48889		<i>X</i>			
MS-08	9-18/19-23	0900-0900	48890		<i>X</i>			
MS-09	9-18/19-23	0900-0900	48891		<i>X</i>			
MS-10	9-18/19-23	0900-0900	48892		<i>X</i>			
MS-11	9-18/19-23	0930-0930	48893		<i>X</i>			
MS-12	9-18/19-23	0900-0900	48894		<i>X</i>			

Relinquished by: (Signature)

*C. Roberts*

Date

9-19-23

Time

1240

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received for Laboratory: (Signature)

Date

Time

Sample Disposal Method:

Disposed of by: (Signature)

*[Signature]*

Date

Time

Sample Collector

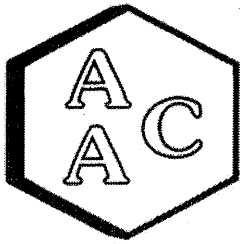
Analytical Laboratory



**Environmental Inc.**

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

AAC Ventura



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 231856  
REPORT DATE : 09/20/2023

On September 19<sup>TH</sup> 2023, Atmospheric Analysis & Consulting, Inc. received 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.
MS-06	231856-48888
MS-07	231856-48889
MS-08	231856-48890
MS-09	231856-48891
MS-10	231856-48892
MS-11	231856-48893
MS-12	231856-48894

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](http://www.aaclab.com).

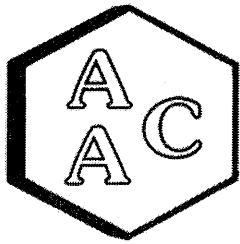
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
\_\_\_\_\_  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 5 pages.





# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

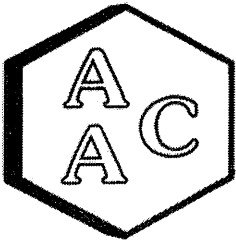
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 231856  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 09/18-19/2023  
**RECEIVING DATE :** 09/19/2023  
**ANALYSIS DATE :** 09/19/2023  
**REPORT DATE :** 09/20/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09
AAC ID	231856-48888	231856-48889	231856-48890	231856-48891
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

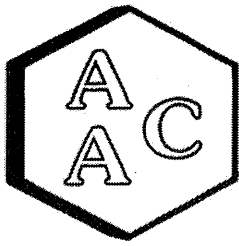
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 231856  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 09/18-19/2023  
**RECEIVING DATE :** 09/19/2023  
**ANALYSIS DATE :** 09/19/2023  
**REPORT DATE :** 09/20/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-11	MS-12
AAC ID	231856-48892	231856-48893	231856-48894
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/19/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID : SCD-BTU  
 Calb. Date: : 6/13/2023

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	873	0.502	100.5	0.0
Duplicate	865	0.497	99.5	0.9
Triplicate	881	0.507	101.4	0.9

*0.548 ppbV H2S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	912	0.554	101.2	2.0
Duplicate	884	0.537	98.1	1.1
Triplicate	886	0.538	98.4	0.9

*0.479 ppbV H2S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	868	0.478	99.9	0.3
Duplicate	844	0.466	97.2	2.4
Triplicate	884	0.487	101.7	2.2

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28939

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

220521-28939 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.260	0.252	104.1	100.9	3.1
MeSH	<PQL	0.274	0.275	0.272	100.5	99.4	1.1
DMS	<PQL	0.240	0.253	0.258	105.6	107.7	2.0

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.543	108.7
MeSH	0.548	0.570	104.1
DMS	0.479	0.498	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

**CHAIN OF CUSTODY RECORD**

**Client/Project Name** SGS Engineers/

**Project Location** Valencia, CA

**ANALYSES**

*Chiquita Canyon Landfill Air/Odor Sampling*

**Project No.** 231856

**Field Logbook No.**

**Sampler: (Print)** Charles Robert

(Signature) *C. Robert*

**No. Of Containers** 7

**Sample No./ Identification**

**Date**

**Time**

**Lab Sample Number**

**Type of Sample**

**Remarks**

307.91 Sulfur  
T0-15 Fall List

MS-06	9-19/19-23	0900-0900	48888	Ambient Air	X	X			
MS-07	9-18/19-23	0900-0900	48889		X	X			
MS-08	9-18/19-23	0900-0900	48890		X	X			
MS-09	9-19/19-23	0900-0900	48891		X	X			
MS-10	9-19/19-23	0900-0900	48892		X	X			
MS-11	9-19/19-23	0930-0930	48893		X	X			
MS-12	9-18/19-23	0900-0900	48894		X	X			

**Relinquished by: (Signature)** *C. Robert*

**Date** 9-19-23

**Time** 1240

**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** 9/19/23

**Time** 1243

**Sample Disposal Method:**

**Disposed of by: (Signature)** *[Signature]*

**Date**

**Time**

**Sample Collector**

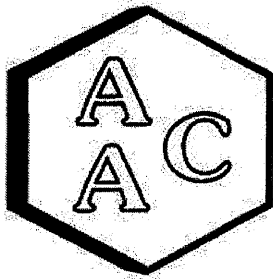
**Analytical Laboratory**



**Environmental Inc.**

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

AAC Ventura



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 231922  
REPORT DATE : 09/27/2023

On September 26, 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

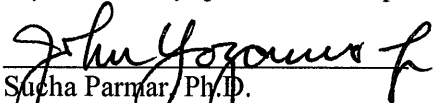
Client ID	Lab ID
MS-06	231922-49154
MS-07	231922-49155
MS-08	231922-49156
MS-09	231922-49157
MS-10	231922-49158
MS-11	231922-49159
MS-12	231922-49160

**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](http://www.aaclab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

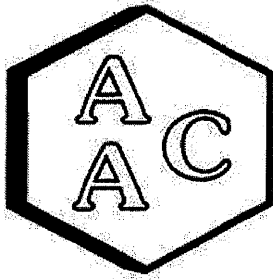
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar / Ph.D.  
Technical Director

This report consists of 14 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

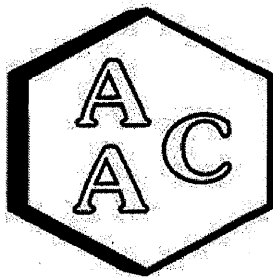
CLIENT : SCS Engineers  
 PROJECT NO : 231922  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/27/2023  
 ANALYST : DL

### 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		231922-49154				231922-49155				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/26/2023				09/26/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	9.69		1	5.00	13.5		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	7.12		1	2.00	12.9		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	4.88		1	2.00	5.43		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	2.64		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231922  
 MATRIX : AIR  
 UNITS : PPB (v/v)

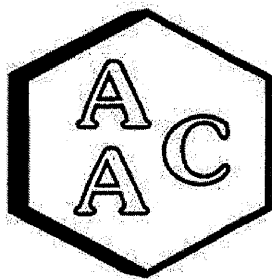
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/27/2023  
 ANALYST : DL

### 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		231922-49154				231922-49155				
Date Sampled		09/26/2023			09/26/2023					
Date Analyzed		09/26/2023			09/26/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		115%				116%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231922  
 MATRIX : AIR  
 UNITS : PPB (v/v)

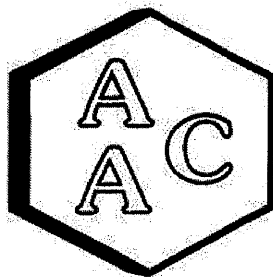
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/27/2023  
 ANALYST : DL

### 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		231922-49156				231922-49157				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/26/2023				09/26/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	10.6		1	5.00	16.6		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	6.72		1	2.00	7.34		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	4.20		1	2.00	9.69		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231922  
 MATRIX : AIR  
 UNITS : PPB (v/v)

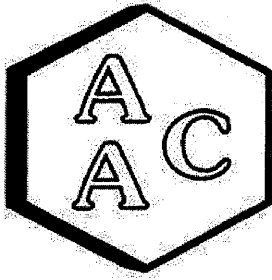
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/27/2023  
 ANALYST : DL

### 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		231922-49156				231922-49157				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/26/2023				09/26/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			117%				119%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

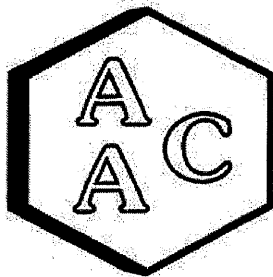
CLIENT : SCS Engineers  
 PROJECT NO : 231922  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/27/2023  
 ANALYST : DL

### 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		231922-49158				231922-49159				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/26/2023				09/26/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.53		1	0.50	0.52		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	15.0		1	5.00	12.4		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	7.92		1	2.00	9.77		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	6.02		1	2.00	5.70		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.19		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231922  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

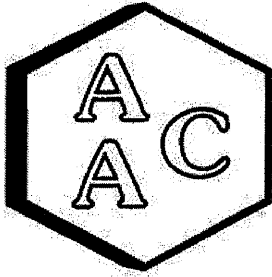
**DATE RECEIVED :** 09/26/2023  
**DATE REPORTED :** 09/27/2023  
**ANALYST :** DL

### 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		231922-49158				231922-49159				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/26/2023				09/26/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		114%						118%	70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

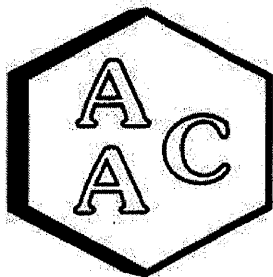
CLIENT : SCS Engineers  
 PROJECT NO : 231922  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/27/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>MS-12</i>		<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		<i>231922-49160</i>			
<i>Date Sampled</i>		<i>09/26/2023</i>			
<i>Date Analyzed</i>		<i>09/26/2023</i>			
<i>Can Dilution Factor</i>		<i>1.00</i>			
<i>Compound</i>	<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>		
Chlorodifluoromethane	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.58		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	0.50
Methanol	14.8		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	0.50
Ethanol	12.4		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	0.50
Acetone	7.36		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	2.81		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.80		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231922  
 MATRIX : AIR  
 UNITS : PPB (v/v)

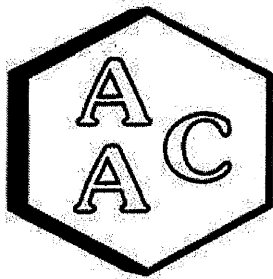
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/27/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231922-49160				
Date Sampled		09/26/2023				
Date Analyzed		09/26/2023				
Can Dilution Factor		1.00				
Compound	Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	0.50	
Toluene	0.52		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	0.50	
DEB-Surrogate Std. % Recovery			111%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/26/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MSI-051623-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	10.91	116
Chlorodifluoromethane	5.20	4.54	87
Propene	5.30	4.10	77
Dichlorodifluoromethane	5.20	5.07	98
Dimethyl Ether	5.10	3.98	78
Chloromethane	5.20	4.57	88
Dichlorotetrafluoroethane	5.15	4.95	96
Vinyl Chloride	5.25	4.41	84
Acetaldehyde	10.55	8.04	76
Methanol	9.40	6.58	70
1,3-Butadiene	5.30	4.18	79
Bromomethane	5.20	5.47	105
Chloroethane	5.15	4.40	85
Dichlorofluoromethane	5.10	4.62	91
Ethanol	5.60	4.28	76
Vinyl Bromide	5.05	4.53	90
Acrolein	5.55	4.36	79
Acetone	5.30	4.21	79
Trichlorofluoromethane	5.25	5.36	102
2-Propanol (IPA)	5.50	4.00	73
Acrylonitrile	5.60	4.10	73
1,1-Dichloroethene	5.20	4.51	87
Methylene Chloride (DCM)	5.25	4.43	84
TertButanol (TBA)	5.55	4.59	83
Allyl Chloride	5.10	4.06	80
Carbon Disulfide	5.25	4.47	85
Trichlorotrifluoroethane	5.20	5.22	100
trans-1,2-Dichloroethene	5.30	4.67	88
1,1-Dichloroethane	5.25	4.46	85
Methyl Tert Butyl Ether (MTBE)	5.25	4.44	85
Vinyl Acetate	5.50	4.51	82
2-Butanone (MEK)	5.30	4.21	79
cis-1,2-Dichloroethene	5.25	4.69	89
Hexane	5.35	5.03	94
Chloroform	5.30	5.04	95
Ethyl Acetate	5.30	4.08	77
Tetrahydrofuran	5.10	4.19	82
1,2-Dichloroethane	5.25	4.98	95
1,1,1-Trichloroethane	5.20	5.08	98
Benzene	5.30	4.77	90
Carbon Tetrachloride	5.10	6.16	121
Cyclohexane	5.25	4.91	94

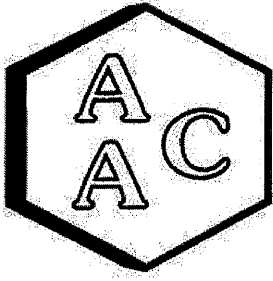
Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.49	86
Bromodichloromethane	5.20	5.38	103
1,4-Dioxane	5.20	5.69	109
Trichloroethene (TCE)	5.20	4.84	93
2,2,4-Trimethylpentane	5.00	4.19	84
Methyl Methacrylate	5.50	4.86	88
Heptane	5.25	4.82	92
cis-1,3-Dichloropropene	5.20	4.63	89
4-Methyl-2-pentanone (MiBK)	5.20	5.85	113
trans-1,3-Dichloropropene	5.25	4.73	90
1,1,2-Trichloroethane	5.25	5.05	96
Toluene	5.30	5.02	95
2-Hexanone (MBK)	5.25	5.41	103
Dibromochloromethane	5.15	5.53	107
1,2-Dibromoethane	5.30	5.13	97
Tetrachloroethene (PCE)	5.20	5.58	107
Chlorobenzene	5.30	5.03	95
Ethylbenzene	5.25	4.92	94
m & p-Xylene	10.50	10.23	97
Bromoform	5.25	5.70	109
Styrene	5.25	5.06	96
1,1,2,2-Tetrachloroethane	5.25	5.02	96
o-Xylene	5.25	4.93	94
1,2,3-Trichloropropane	5.50	5.63	102
Isopropylbenzene (Cumene)	5.15	5.06	98
α-Pinene	5.35	4.94	92
2-Chlorotoluene	5.15	4.84	94
n-Propylbenzene	5.05	4.81	95
4-Ethyltoluene	5.15	5.00	97
1,3,5-Trimethylbenzene	5.15	4.97	97
β-Pinene	5.50	5.53	101
1,2,4-Trimethylbenzene	5.15	4.95	96
Benzyl Chloride (a-Chlorotoluene)	5.20	4.74	91
1,3-Dichlorobenzene	5.20	5.16	99
1,4-Dichlorobenzene	5.15	5.15	100
Sec-ButylBenzene	5.05	4.93	98
1,2-Dichlorobenzene	5.30	5.36	101
n-ButylBenzene	5.10	4.72	93
1,2-Dibromo-3-Chloropropane	5.05	4.80	95
1,2,4-Trichlorobenzene	5.50	5.75	105
Naphthalene	5.75	5.90	103
Hexachlorobutadiene	5.50	5.82	106

<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/26/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

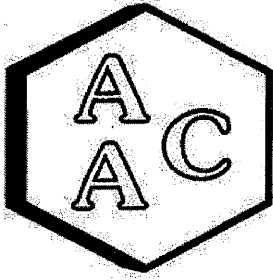
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	10.91	10.87	116	116	0.4
1,1-Dichloroethene	0.0	5.20	4.51	4.61	87	89	2.2
Methylene Chloride (DCM)	0.0	5.25	4.43	4.50	84	86	1.6
Benzene	0.0	5.30	4.77	4.89	90	92	2.5
Trichloroethene (TCE)	0.0	5.20	4.84	5.18	93	100	6.8
Toluene	0.0	5.30	5.02	5.14	95	97	2.4
Tetrachloroethene (PCE)	0.0	5.20	5.58	5.62	107	108	0.7
Chlorobenzene	0.0	5.30	5.03	4.98	95	94	1.0
Ethylbenzene	0.0	5.25	4.92	4.96	94	94	0.8
m & p-Xylene	0.0	10.50	10.23	10.03	97	96	2.0
o-Xylene	0.0	5.25	4.93	4.85	94	92	1.6

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 09/26/2023

INSTRUMENT ID : GC/MS-03

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

UNITS : PPB (v/v)

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

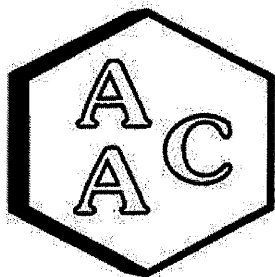
Method Blank Analysis

Analyte Compounds	MB 092623	Reporting Limit (RL)
4-BFB (surrogate standard)	113%	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	1.0
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 092623	Reporting Limit (RL)
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	2.0
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	1.0
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	2.0
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	1.0
Hexachlorobutadiene	<RL	0.5







# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/26/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 231922-49154

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	10.8	11.2	3.8
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	2.53	NA
Methanol	9.69	9.32	3.9
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	7.12	6.57	8.0
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	4.88	4.70	3.8
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	<SRL	<SRL	NA
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	<SRL	<SRL	NA
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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 (α-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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



CHAIN OF CUSTODY RECORD

231922

Client/Project Name SCS Engineers /

Project Location

Valencia, CA

ANALYSES

Chiquita Canyon Landfill Air/Odor Sampling

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

Remarks

MS-06	9-25/26-23	0900-0900	49154	Ambient Air	X	X			
MS-07	9-25/26-23	0900-0900	49155		X	X			
MS-08	9-25/26-23	0900-0900	49156		X	X			
MS-09	9-25/26-23	0900-0900	49157		X	X			
MS-10	9-25/26-23	0900-0900	49158		X	X			
MS-11	9-25/26-23	0915-0915	49159		X	X			
MS-12	9-15/26-23	0900-0900	49160		X	X			

Relinquished by: (Signature)

*C. Roberts*

Date

9-26-23

Time

1207

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received for Laboratory: (Signature)

Date

Time

Sample Disposal Method:

Disposed of by: (Signature)

Date

Time

Sample Collector

Analytical Laboratory



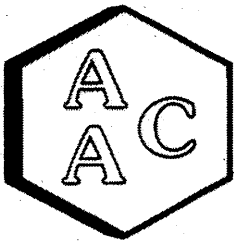
RTS Environmental Inc.

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

AAC Ventura

9/26/23

1208



# Atmospheric Analysis & Consulting, Inc

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 231922  
REPORT DATE : 09/27/2023

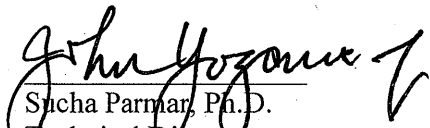
On September 26<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.
MS-06	231922-49154
MS-07	231922-49155
MS-08	231922-49156
MS-09	231922-49157
MS-10	231922-49158
MS-11	231922-49159
MS-12	231922-49160

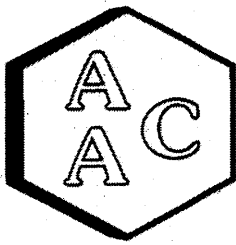
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aacalab.com](http://www.aacalab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 6 pages.



**LABORATORY ANALYSIS REPORT**

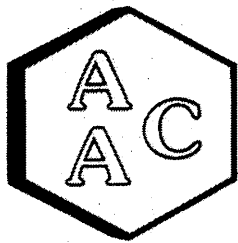
CLIENT : SCS Engineers  
 PROJECT NO. : 231922  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/25-26/2023  
 RECEIVING DATE : 09/26/2023  
 ANALYSIS DATE : 09/26/2023  
 REPORT DATE : 09/27/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-06	MS-07	MS-08	MS-09
AAC ID	231922-49154	231922-49155	231922-49156	231922-49157
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



**LABORATORY ANALYSIS REPORT**

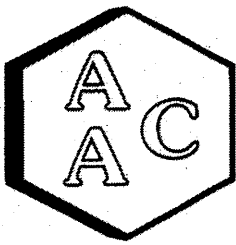
CLIENT : SCS Engineers  
 PROJECT NO. : 231922  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/25-26/2023  
 RECEIVING DATE : 09/26/2023  
 ANALYSIS DATE : 09/26/2023  
 REPORT DATE : 09/27/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-10	MS-11	MS-12
AAC ID	231922-49158	231922-49159	231922-49160
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/26/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1893	514	102.8	2.0
Duplicate	1838	499	99.8	0.9
Triplicate	1835	498	99.6	1.1

547.5 ppbV H<sub>2</sub>S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2320	538	98.3	1.4
Duplicate	2429	563	102.9	3.2
Triplicate	2310	536	97.8	1.8

479.0 ppbV H<sub>2</sub>S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2561	484	101.1	1.1
Duplicate	2487	470	98.2	1.9
Triplicate	2554	483	100.8	0.8

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

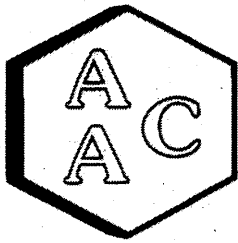
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	253.2	249.8	101.3	100.0	1.3
MeSH	<PQL	273.8	291.3	294.1	106.4	107.4	0.9
DMS	<PQL	239.5	248.3	244.5	103.7	102.1	1.6

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	486.8	97.4
MeSH	547.5	535.5	97.8
DMS	479.0	511.1	106.7

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD from ssAS

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



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/26/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	856	0.493	98.6	0.9
Duplicate	873	0.502	100.5	1.1
Triplicate	861	0.496	99.2	0.3

*0.548 ppbV H2S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	918	0.558	101.9	1.6
Duplicate	886	0.538	98.4	2.0
Triplicate	907	0.551	100.7	0.4

*0.479 ppbV H2S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	883	0.487	101.6	1.2
Duplicate	873	0.481	100.5	0.1
Triplicate	861	0.475	99.1	1.3

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.269	0.257	107.7	102.9	4.6
MeSH	<PQL	0.274	0.278	0.276	101.6	100.8	0.7
DMS	<PQL	0.240	0.263	0.249	109.8	104.0	5.5

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.469	93.8
MeSH	0.548	0.523	95.5
DMS	0.479	0.470	98.1

\* 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

CHAIN OF CUSTODY RECORD

231922

Project Location

Valencia, CA

ANALYSES

Client/Project Name SCS Engineers /  
 Chiquita Canyon Landfill Air/Labor Sampling

Field Logbook No.

Sampler: (Print)

Charles Roberts

(Signature)

*C. Roberts*

No. Of Containers

7

307.91 Sulfur  
 TO-15 Full List

Remarks

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time
MS-06	9-25/26-23	0900-0900	49154	Ambient Air	X		
MS-07	9-25/26-23	0900-0900	49155		X		
MS-08	9-25/26-23	0900-0900	49156		X		
MS-09	9-25/26-23	0900-0900	49157		X		
MS-10	9-25/26-23	0900-0900	49158		X		
MS-11	9-25/26-23	0915-0915	49159		X		
MS-12	9-25/26-23	0900-0900	49160		X		

Relinquished by: (Signature)

*C. Roberts*

Date

9-26-23

Time

1207

Received by: (Signature)

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Relinquished by: (Signature)

Date

Time

Received for Laboratory: (Signature)

Sample Disposal Method:

Disposed of by: (Signature)

Date

Time

Sample Collector

Analytical Laboratory



RTS Environmental Inc.

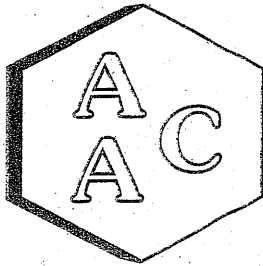
865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

AAC Ventura

9/26/23

1208





# Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232011  
REPORT DATE : 10/04/2023

On October 3, 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

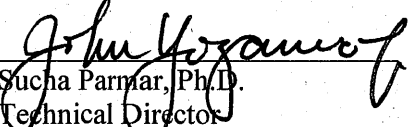
Client ID	Lab ID
MS-06	232011-49481
MS-07	232011-49482
MS-08	232011-49483
MS-09	232011-49484
MS-10	232011-49485
MS-11	232011-49486
MS-12	232011-49487

**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](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

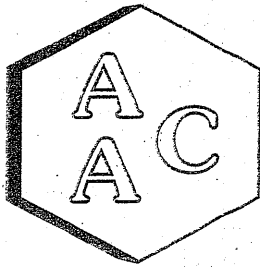
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 14 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

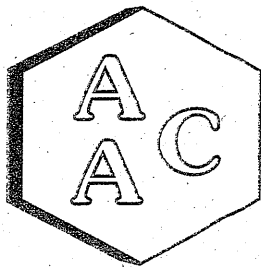
CLIENT : SCS Engineers  
 PROJECT NO : 232011  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/04/2023  
 ANALYST : DL

### 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		232011-49481				232011-49482				
Date Sampled		10/02/2023				10/02/2023				
Date Analyzed		10/03/2023				10/03/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.55		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	5.59		1	5.00	8.40		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	3.55		1	2.00	6.05		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	2.62		1	2.00	4.07		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232011  
 MATRIX : AIR  
 UNITS : PPB (v/v)

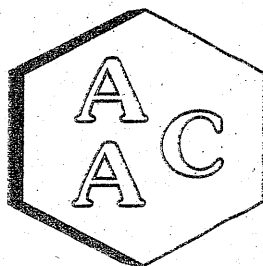
DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/04/2023  
 ANALYST : DL

### 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		232011-49481				232011-49482				
Date Sampled		10/02/2023				10/02/2023				
Date Analyzed		10/03/2023				10/03/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			121%				125%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

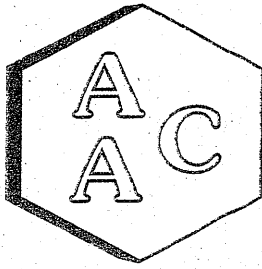
CLIENT : SCS Engineers  
 PROJECT NO : 232011  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/04/2023  
 ANALYST : DL

### 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		232011-49483				232011-49484				
Date Sampled		10/02/2023				10/02/2023				
Date Analyzed		10/03/2023				10/03/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.53		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	9.50		1	5.00	13.8		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	4.58		1	2.00	5.72		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	2.78		1	2.00	12.9		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232011  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

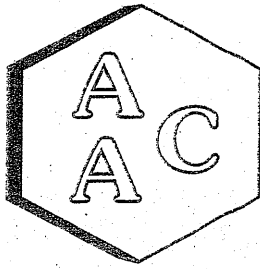
**DATE RECEIVED :** 10/03/2023  
**DATE REPORTED :** 10/04/2023  
**ANALYST :** DL

### 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		232011-49483				232011-49484				
Date Sampled		10/02/2023				10/02/2023				
Date Analyzed		10/03/2023				10/03/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			121%				122%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

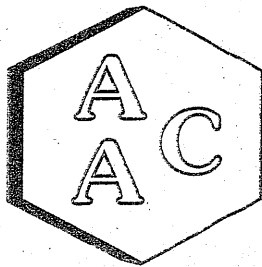
**CLIENT :** SCS Engineers  
**PROJECT NO :** 232011  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 10/03/2023  
**DATE REPORTED :** 10/04/2023  
**ANALYST :** DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232011-49485				232011-49486				
<i>Date Sampled</i>		10/02/2023				10/02/2023				
<i>Date Analyzed</i>		10/03/2023				10/03/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	0.50		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	13.8		1	5.00	7.90		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	5.89		1	2.00	3.36		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	5.48		1	2.00	4.00		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.51		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232011  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

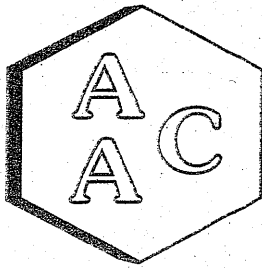
**DATE RECEIVED :** 10/03/2023  
**DATE REPORTED :** 10/04/2023  
**ANALYST :** DL

### 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		232011-49485				232011-49486				
Date Sampled		10/02/2023				10/02/2023				
Date Analyzed		10/03/2023				10/03/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			121%				122%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232011  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

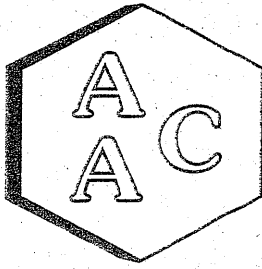
**DATE RECEIVED :** 10/03/2023  
**DATE REPORTED :** 10/04/2023  
**ANALYST :** DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>MS-12</i>			<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		232011-49487				
<i>Date Sampled</i>		10/02/2023				
<i>Date Analyzed</i>		10/03/2023				
<i>Can Dilution Factor</i>		1.00				
<i>Compound</i>	<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>			
Chlorodifluoromethane	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.50		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	0.50	
Methanol	12.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	0.50	
Ethanol	7.16		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	0.50	
Acetone	4.11		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232011  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

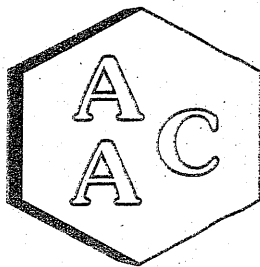
**DATE RECEIVED :** 10/03/2023  
**DATE REPORTED :** 10/04/2023  
**ANALYST :** DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-12			<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		232011-49487				
<i>Date Sampled</i>		10/02/2023				
<i>Date Analyzed</i>		10/03/2023				
<i>Can Dilution Factor</i>		1.00				
<i>Compound</i>	<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>			
Carbon Tetrachloride	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	0.50	
Toluene	0.70		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	0.50	
<b>BFB-Surrogate Std. % Recovery</b>			122%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/03/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MSI-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	11.28	120
Chlorodifluoromethane	5.20	4.50	87
Propene	5.30	4.20	79
Dichlorodifluoromethane	5.20	5.05	97
Dimethyl Ether	5.10	3.92	77
Chloromethane	5.20	4.85	93
Dichlorotetrafluoroethane	5.15	5.25	102
Vinyl Chloride	5.25	4.52	86
Acetaldehyde	10.55	8.09	77
Methanol	9.40	6.77	72
1,3-Butadiene	5.30	4.24	80
Bromomethane	5.20	5.63	108
Chloroethane	5.15	3.91	76
Dichlorofluoromethane	5.10	4.65	91
Ethanol	5.60	4.81	86
Vinyl Bromide	5.05	4.84	96
Acrolein	5.55	4.36	79
Acetone	5.30	4.04	76
Trichlorofluoromethane	5.25	5.54	106
2-Propanol (IPA)	5.50	4.45	81
Acrylonitrile	5.60	4.28	76
1,1-Dichloroethene	5.20	4.59	88
Methylene Chloride (DCM)	5.25	4.53	86
TertButanol (TBA)	5.55	5.10	92
Allyl Chloride	5.10	4.44	87
Carbon Disulfide	5.25	4.65	89
Trichlorotrifluoroethane	5.20	4.94	95
trans-1,2-Dichloroethene	5.30	4.76	90
1,1-Dichloroethane	5.25	4.66	89
Methyl Tert Butyl Ether (MTBE)	5.25	4.54	86
Vinyl Acetate	5.50	4.60	84
2-Butanone (MEK)	5.30	4.15	78
cis-1,2-Dichloroethene	5.25	4.59	87
Hexane	5.35	5.07	95
Chloroform	5.30	5.08	96
Ethyl Acetate	5.30	4.22	80
Tetrahydrofuran	5.10	4.20	82
1,2-Dichloroethane	5.25	5.04	96
1,1,1-Trichloroethane	5.20	5.28	102
Benzene	5.30	4.75	90
Carbon Tetrachloride	5.10	6.01	118
Cyclohexane	5.25	4.85	92

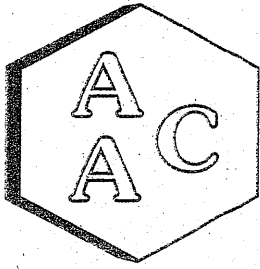
Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.58	87
Bromodichloromethane	5.20	5.13	99
1,4-Dioxane	5.20	5.96	115
Trichloroethene (TCE)	5.20	5.10	98
2,2,4-Trimethylpentane	5.00	4.03	81
Methyl Methacrylate	5.50	4.82	88
Heptane	5.25	4.49	86
cis-1,3-Dichloropropene	5.20	4.68	90
4-Methyl-2-pentanone (MiBK)	5.20	5.47	105
trans-1,3-Dichloropropene	5.25	4.64	88
1,1,2-Trichloroethane	5.25	5.06	96
Toluene	5.30	5.04	95
2-Hexanone (MBK)	5.25	5.61	107
Dibromochloromethane	5.15	5.43	105
1,2-Dibromoethane	5.30	4.98	94
Tetrachloroethene (PCE)	5.20	5.33	103
Chlorobenzene	5.30	4.84	91
Ethylbenzene	5.25	4.70	90
m & p-Xylene	10.50	9.63	92
Bromoform	5.25	5.55	106
Styrene	5.25	4.84	92
1,1,2,2-Tetrachloroethane	5.25	4.87	93
o-Xylene	5.25	4.83	92
1,2,3-Trichloropropane	5.50	5.37	98
Isopropylbenzene (Cumene)	5.15	4.93	96
α-Pinene	5.35	4.93	92
2-Chlorotoluene	5.15	5.04	98
n-Propylbenzene	5.05	4.74	94
4-Ethyltoluene	5.15	4.88	95
1,3,5-Trimethylbenzene	5.15	4.87	95
β-Pinene	5.50	5.49	100
1,2,4-Trimethylbenzene	5.15	4.76	92
Benzyl Chloride (a-Chlorotoluene)	5.20	4.50	87
1,3-Dichlorobenzene	5.20	5.14	99
1,4-Dichlorobenzene	5.15	4.98	97
Sec-ButylBenzene	5.05	4.73	94
1,2-Dichlorobenzene	5.30	5.32	100
n-ButylBenzene	5.10	4.78	94
1,2-Dibromo-3-Chloropropane	5.05	4.69	93
1,2,4-Trichlorobenzene	5.50	5.44	99
Naphthalene	5.75	5.72	99
Hexachlorobutadiene	5.50	5.61	102

<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/03/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

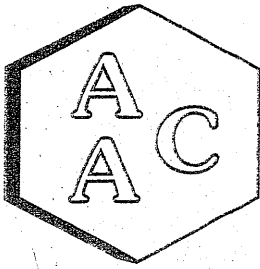
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	11.28	11.13	120	118	1.3
1,1-Dichloroethene	0.0	5.20	4.59	4.47	88	86	2.6
Methylene Chloride (DCM)	0.0	5.25	4.53	4.48	86	85	1.1
Benzene	0.0	5.30	4.75	4.64	90	88	2.3
Trichloroethene (TCE)	0.0	5.20	5.10	5.00	98	96	2.0
Toluene	0.0	5.30	5.04	4.95	95	93	1.8
Tetrachloroethene (PCE)	0.0	5.20	5.33	5.58	103	107	4.6
Chlorobenzene	0.0	5.30	4.84	4.84	91	91	0.0
Ethylbenzene	0.0	5.25	4.70	4.77	90	91	1.5
m & p-Xylene	0.0	10.50	9.63	9.91	92	94	2.9
o-Xylene	0.0	5.25	4.83	4.76	92	91	1.5

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 10/03/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

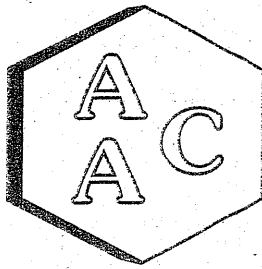
INSTRUMENT ID : GC/MS-03  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 100323	Reporting Limit (RL)
4-BFB (surrogate standard)	118%	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	1.0
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 100323	Reporting Limit (RL)
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	2.0
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	1.0
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	2.0
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	1.0
Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/03/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232011-49481

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	11.4	11.4	0.2
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	<SRL	NA
Methanol	5.59	5.92	5.7
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	3.55	3.69	3.9
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	2.62	2.80	6.6
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	<SRL	<SRL	NA
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	<SRL	<SRL	NA
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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 (α-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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



CHAIN OF CUSTODY RECORD

232011

Project Location

Valencia, CA

ANALYSES

Client/Project Name SCS Engineers  
 Project No. Chiquita Canyon Landfill Air/odor Sampling

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

Received by: (Signature)

Date

Time

Remarks

MS-06

10-2/3-23

0900-0900

49481

Ambient Air

X

X

MS-07

10-2/3-23

0900-0900

49482

|

X

X

MS-08

10-2/3-23

0900-0900

49483

|

X

X

MS-09

10-2/3-23

0900-0900

49484

|

X

X

MS-10

10-2/3-23

0900-0900

49485

|

X

X

MS-11

10-2/3-23

0920-0920

49486

|

X

X

MS-12

10-2/3-23

0900-0900

49487

↓

X

X

Relinquished by: (Signature)

*C. Roberts*

Date

Time

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received for Laboratory: (Signature)

Date

Time

Sample Disposal Method:

Disposed of by: (Signature)

*[Signature]*

Date

Time

Sample Collector

Analytical Laboratory



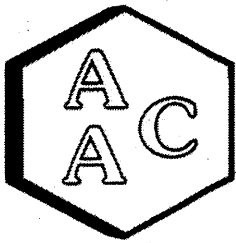
Environmental Inc.

865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

AAC Ventura

307.91 Sulfur  
 TO-15 Full List

10/3/23 1214



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232011  
REPORT DATE : 10/04/2023

On October 3<sup>rd</sup> 2023, Atmospheric Analysis & Consulting, Inc. received 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.
MS-06	232011-49481
MS-07	232011-49482
MS-08	232011-49483
MS-09	232011-49484
MS-10	232011-49485
MS-11	232011-49486
MS-12	232011-49487

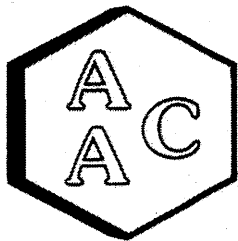
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aacalab.com](http://www.aacalab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.  
Technical Director

This report consists of 5 pages.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232011  
**MATRIX :** AIR  
**UNITS :** ppmv

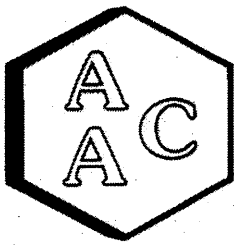
**SAMPLING DATE :** 10/02-03/2023  
**RECEIVING DATE :** 10/03/2023  
**ANALYSIS DATE :** 10/03/2023  
**REPORT DATE :** 10/04/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09
AAC ID	232011-49481	232011-49482	232011-49483	232011-49484
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.





# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

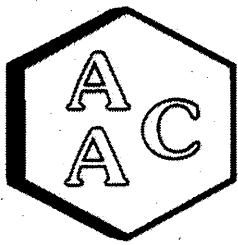
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232011  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/02-03/2023  
**RECEIVING DATE :** 10/03/2023  
**ANALYSIS DATE :** 10/03/2023  
**REPORT DATE :** 10/04/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-11	MS-12
AAC ID	232011-49485	232011-49486	232011-49487
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/3/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	863	0.497	99.4	1.0
Duplicate	842	0.485	97.0	1.5
Triplicate	860	0.495	99.0	0.6

*0.548 ppbV MeSH (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	904	0.550	100.4	0.6
Duplicate	901	0.547	100.0	1.1
Triplicate	926	0.563	102.8	1.7

*0.479 ppbV DMS (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	841	0.464	96.8	1.0
Duplicate	862	0.475	99.2	1.5
Triplicate	846	0.466	97.3	0.5

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID: 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.244	0.241	97.6	96.4	1.2
MeSH	<PQL	0.274	0.262	0.254	95.7	92.8	3.1
DMS	<PQL	0.240	0.240	0.234	100.2	97.7	2.5

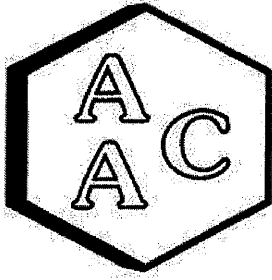
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.534	106.9
MeSH	0.548	0.589	107.6
DMS	0.479	0.523	109.2

\* 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



# Atmospheric Analysis & Consulting, Inc

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air Odor Sampling  
AAC PROJECT NO. : 232060  
REPORT DATE : 10/12/2023

On October 10, 2023, 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:

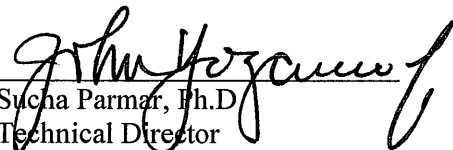
Client ID	Lab ID	Return Pressure (mmHga)
MS-07	232060-49810	753.0
MS-12	232060-49811	760.5
MS-08	232060-49812	715.9
MS-09	232060-49813	757.5
MS-10	232060-49814	752.7
MS-06	232060-49815	741.2
MS-11	232060-49816	10.2

**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.aacalab.com](http://www.aacalab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Sample "MS-11" (49816) was received with low sample volume. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

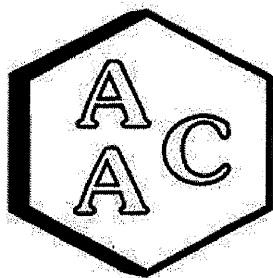
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 14 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

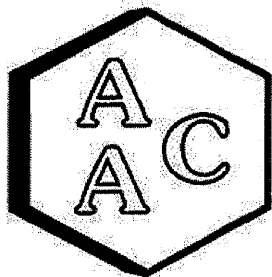
CLIENT : SCS Engineers  
 PROJECT NO : 232060  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	232060-49810			232060-49811				
Date Sampled	10/09/2023				10/09/2023				
Date Analyzed	10/10/2023				10/10/2023				
Can Dilution Factor	1.36				1.34				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Propene	<SRL	U	1	1.36	1.48	U	1	1.34	1.00
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Chloromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Methanol	27.6		1	6.79	<SRL	U	1	6.68	5.00
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Ethanol	36.0		1	2.71	4.09	U	1	2.67	2.00
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Acetone	9.68		1	2.71	5.12	U	1	2.67	2.00
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
2-Propanol (IPA)	3.57		1	2.71	<SRL	U	1	2.67	2.00
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.36	<SRL	U	1	1.34	1.00
Allyl Chloride	<SRL	U	1	1.36	<SRL	U	1	1.34	1.00
Carbon Disulfide	<SRL	U	1	2.71	<SRL	U	1	2.67	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Vinyl Acetate	<SRL	U	1	1.36	<SRL	U	1	1.34	1.00
2-Butanone (MEK)	4.47		1	1.36	<SRL	U	1	1.34	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Ethyl Acetate	1.26		1	0.68	<SRL	U	1	0.67	0.50
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50
Benzene	1.03		1	0.68	<SRL	U	1	0.67	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232060  
 MATRIX : AIR  
 UNITS : PPB (v/v)

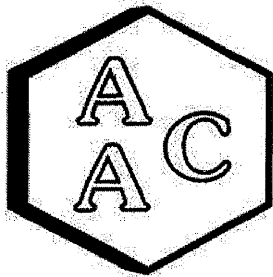
DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL/CH

### 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		232060-49810				232060-49811				
Date Sampled		10/09/2023				10/09/2023				
Date Analyzed		10/10/2023				10/10/2023				
Can Dilution Factor		1.36			1.34					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,4-Dioxane	<SRL	U	1	1.36	<SRL	U	1	1.34	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Toluene	1.66	U	1	0.68	<SRL	U	1	0.67	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.36	<SRL	U	1	1.34	1.00	
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
m & p-Xylene	<SRL	U	1	1.36	<SRL	U	1	1.34	1.00	
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.67	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.36	<SRL	U	1	1.34	1.00	
Hexachlorobutadiene	<SRL	U	1	2.71	<SRL	U	1	2.67	2.00	
BFB-Surrogate Std. % Recovery		96%				94%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

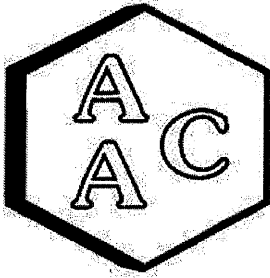
CLIENT : SCS Engineers  
 PROJECT NO : 232060  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 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		232060-49812				232060-49813				
Date Sampled		10/09/2023				10/09/2023				
Date Analyzed		10/10/2023				10/10/2023				
Can Dilution Factor		1.43			1.35					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Propene	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Methanol	25.1		1	7.15	25.4		1	6.75	5.00	
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Ethanol	3.27		1	2.86	12.0		1	2.70	2.00	
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Acetone	4.23		1	2.86	15.4		1	2.70	2.00	
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
2-Propanol (IPA)	<SRL	U	1	2.86	<SRL	U	1	2.70	2.00	
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
Carbon Disulfide	<SRL	U	1	2.86	<SRL	U	1	2.70	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Vinyl Acetate	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
2-Butanone (MEK)	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Hexane	0.81		1	0.71	<SRL	U	1	0.68	0.50	
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232060  
 MATRIX : AIR  
 UNITS : PPB (v/v)

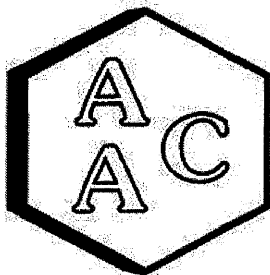
DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL/CH

### 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		232060-49812				232060-49813				
Date Sampled		10/09/2023				10/09/2023				
Date Analyzed		10/10/2023				10/10/2023				
Can Dilution Factor		1.43			1.35					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Toluene	1.26		1	0.71	0.88		1	0.68	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
m & p-Xylene	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.68	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.43	<SRL	U	1	1.35	1.00	
Hexachlorobutadiene	<SRL	U	1	2.86	<SRL	U	1	2.70	2.00	
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 : 232060  
 MATRIX : AIR  
 UNITS : PPB (v/v)

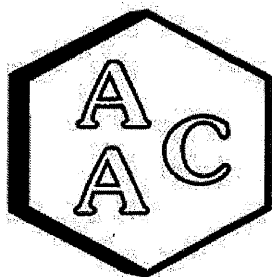
DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL/CH

### 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		232060-49814				232060-49815				
Date Sampled		10/09/2023				10/09/2023				
Date Analyzed		10/10/2023				10/10/2023				
Can Dilution Factor		1.36			1.38					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Propene	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Chloromethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Methanol	22.6		1	6.78	9.46		1	6.88	5.00	
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Ethanol	5.35		1	2.71	4.60		1	2.75	2.00	
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Acetone	4.85		1	2.71	6.10		1	2.75	2.00	
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
2-Propanol (IPA)	<SRL	U	1	2.71	<SRL	U	1	2.75	2.00	
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
Allyl Chloride	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
Carbon Disulfide	<SRL	U	1	2.71	<SRL	U	1	2.75	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Vinyl Acetate	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
2-Butanone (MEK)	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Ethyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Benzene	<SRL	U	1	0.68	0.85		1	0.69	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232060  
 MATRIX : AIR  
 UNITS : PPB (v/v)

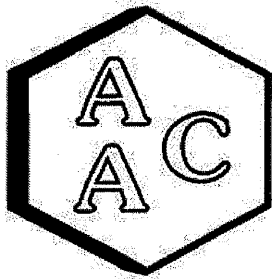
DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL/CH

### 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		232060-49814				232060-49815				
Date Sampled		10/09/2023				10/09/2023				
Date Analyzed		10/10/2023				10/10/2023				
Can Dilution Factor		1.36				1.38				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,4-Dioxane	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Toluene	1.18	U	1	0.68	<SRL	U	1	0.69	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
m & p-Xylene	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.69	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.36	<SRL	U	1	1.38	1.00	
Hexachlorobutadiene	<SRL	U	1	2.71	<SRL	U	1	2.75	2.00	
BFB-Surrogate Std. % Recovery		96%				96%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

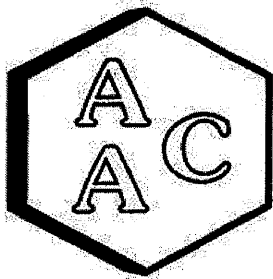
CLIENT : SCS Engineers  
 PROJECT NO : 232060  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>MS-11</i>			<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		<b>232060-49816</b>				
<i>Date Sampled</i>		<b>10/09/2023</b>				
<i>Date Analyzed</i>		<b>10/10/2023</b>				
<i>Can Dilution Factor</i>		<b>101.04</b>				
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	50.5	0.50	
Propene	<SRL	U	1	101	1.00	
Dichlorodifluoromethane	<SRL	U	1	50.5	0.50	
Chloromethane	<SRL	U	1	50.5	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	50.5	0.50	
Vinyl Chloride	<SRL	U	1	50.5	0.50	
Methanol	<SRL	U	1	505	5.00	
1,3-Butadiene	<SRL	U	1	50.5	0.50	
Bromomethane	<SRL	U	1	50.5	0.50	
Chloroethane	<SRL	U	1	50.5	0.50	
Dichlorofluoromethane	<SRL	U	1	50.5	0.50	
Ethanol	<SRL	U	1	202	2.00	
Vinyl Bromide	<SRL	U	1	50.5	0.50	
Acetone	<SRL	U	1	202	2.00	
Trichlorofluoromethane	<SRL	U	1	50.5	0.50	
2-Propanol (IPA)	<SRL	U	1	202	2.00	
Acrylonitrile	<SRL	U	1	50.5	0.50	
1,1-Dichloroethene	<SRL	U	1	50.5	0.50	
Methylene Chloride (DCM)	<SRL	U	1	101	1.00	
Allyl Chloride	<SRL	U	1	101	1.00	
Carbon Disulfide	<SRL	U	1	202	2.00	
Trichlorotrifluoroethane	<SRL	U	1	50.5	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	50.5	0.50	
1,1-Dichloroethane	<SRL	U	1	50.5	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	50.5	0.50	
Vinyl Acetate	<SRL	U	1	101	1.00	
2-Butanone (MEK)	<SRL	U	1	101	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	50.5	0.50	
Hexane	<SRL	U	1	50.5	0.50	
Chloroform	<SRL	U	1	50.5	0.50	
Ethyl Acetate	<SRL	U	1	50.5	0.50	
Tetrahydrofuran	<SRL	U	1	50.5	0.50	
1,2-Dichloroethane	<SRL	U	1	50.5	0.50	
1,1,1-Trichloroethane	<SRL	U	1	50.5	0.50	
Benzene	<SRL	U	1	50.5	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232060  
 MATRIX : AIR  
 UNITS : PPB (v/v)

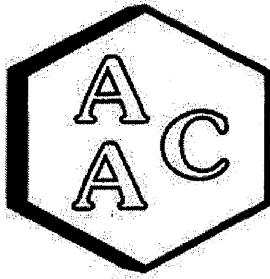
DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>MS-11</i>			<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		<b>232060-49816</b>				
<i>Date Sampled</i>		<b>10/09/2023</b>				
<i>Date Analyzed</i>		<b>10/10/2023</b>				
<i>Can Dilution Factor</i>		<b>101.04</b>				
<i>Compound</i>	<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>			
Carbon Tetrachloride	<SRL	U	1	50.5	0.50	
Cyclohexane	<SRL	U	1	50.5	0.50	
1,2-Dichloropropane	<SRL	U	1	50.5	0.50	
Bromodichloromethane	<SRL	U	1	50.5	0.50	
1,4-Dioxane	<SRL	U	1	101	1.00	
Trichloroethene (TCE)	<SRL	U	1	50.5	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	50.5	0.50	
Heptane	<SRL	U	1	50.5	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	50.5	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	50.5	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	50.5	0.50	
1,1,2-Trichloroethane	<SRL	U	1	50.5	0.50	
Toluene	<SRL	U	1	50.5	0.50	
2-Hexanone (MBK)	<SRL	U	1	101	1.00	
Dibromochloromethane	<SRL	U	1	50.5	0.50	
1,2-Dibromoethane	<SRL	U	1	50.5	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	50.5	0.50	
Chlorobenzene	<SRL	U	1	50.5	0.50	
Ethylbenzene	<SRL	U	1	50.5	0.50	
m & p-Xylene	<SRL	U	1	101	1.00	
Bromoform	<SRL	U	1	50.5	0.50	
Styrene	<SRL	U	1	50.5	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	50.5	0.50	
o-Xylene	<SRL	U	1	50.5	0.50	
4-Ethyltoluene	<SRL	U	1	50.5	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	50.5	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	50.5	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	50.5	0.50	
1,3-Dichlorobenzene	<SRL	U	1	50.5	0.50	
1,4-Dichlorobenzene	<SRL	U	1	50.5	0.50	
1,2-Dichlorobenzene	<SRL	U	1	50.5	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	101	1.00	
Hexachlorobutadiene	<SRL	U	1	202	2.00	
BFB-Surrogate Std. % Recovery		94%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/10/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MSI-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.32	99
Chlorodifluoromethane	10.40	11.60	112
Propene	10.60	11.54	109
Dichlorodifluoromethane	10.40	11.27	108
Dimethyl Ether	10.20	10.38	102
Chloromethane	10.40	10.83	104
Dichlorotetrafluoroethane	10.30	10.44	101
Vinyl Chloride	10.50	11.54	110
Acetaldehyde	21.10	20.51	97
Methanol	18.80	18.49	98
1,3-Butadiene	10.60	12.96	122
Bromomethane	10.40	10.72	103
Chloroethane	10.30	10.78	105
Dichlorofluoromethane	10.20	10.92	107
Ethanol	11.20	11.52	103
Vinyl Bromide	10.10	10.01	99
Acrolein	11.10	12.41	112
Acetone	10.60	10.36	98
Trichlorofluoromethane	10.50	10.46	100
2-Propanol (IPA)	11.00	12.42	113
Acrylonitrile	11.20	12.58	112
1,1-Dichloroethene	10.40	10.55	101
Methylene Chloride (DCM)	10.50	10.28	98
TertButanol (TBA)	11.10	12.84	116
Allyl Chloride	10.20	10.36	102
Carbon Disulfide	10.50	11.21	107
Trichlorotrifluoroethane	10.40	10.34	99
trans-1,2-Dichloroethene	10.60	11.53	109
1,1-Dichloroethane	10.50	11.56	110
Methyl Tert Butyl Ether (MTBE)	10.50	11.30	108
Vinyl Acetate	11.00	13.16	120
2-Butanone (MEK)	10.60	11.49	108
cis-1,2-Dichloroethene	10.50	10.95	104
Hexane	10.70	11.37	106
Chloroform	10.60	11.15	105
Ethyl Acetate	10.60	12.34	116
Tetrahydrofuran	10.20	10.67	105
1,2-Dichloroethane	10.50	11.32	108
1,1,1-Trichloroethane	10.40	10.95	105
Benzene	10.60	10.86	102
Carbon Tetrachloride	10.20	10.44	102
Cyclohexane	10.50	10.08	96

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	11.41	109
Bromodichloromethane	10.40	11.04	106
1,4-Dioxane	10.40	10.56	102
Trichloroethene (TCE)	10.40	10.29	99
2,2,4-Trimethylpentane	10.00	10.92	109
Methyl Methacrylate	11.00	12.47	113
Heptane	10.50	10.94	104
cis-1,3-Dichloropropene	10.40	11.36	109
4-Methyl-2-pentanone (MiBK)	10.40	11.56	111
trans-1,3-Dichloropropene	10.50	11.18	106
1,1,2-Trichloroethane	10.50	10.88	104
Toluene	10.60	10.77	102
2-Hexanone (MBK)	10.50	12.11	115
Dibromochloromethane	10.30	10.95	106
1,2-Dibromoethane	10.60	10.83	102
Tetrachloroethene (PCE)	10.40	10.27	99
Chlorobenzene	10.60	10.22	96
Ethylbenzene	10.50	10.86	103
m & p-Xylene	21.00	21.26	101
Bromoform	10.50	11.18	106
Styrene	10.50	11.17	106
1,1,2,2-Tetrachloroethane	10.50	10.96	104
o-Xylene	10.50	10.56	101
1,2,3-Trichloropropane	11.00	11.49	104
Isopropylbenzene (Cumene)	10.30	10.19	99
α-Pinene	10.70	11.13	104
2-Chlorotoluene	10.30	10.43	101
n-Propylbenzene	10.10	10.12	100
4-Ethyltoluene	10.30	10.31	100
1,3,5-Trimethylbenzene	10.30	10.57	103
β-Pinene	11.00	11.94	109
1,2,4-Trimethylbenzene	10.30	10.30	100
Benzyl Chloride (a-Chlorotoluene)	10.40	9.53	92
1,3-Dichlorobenzene	10.40	10.45	100
1,4-Dichlorobenzene	10.30	10.32	100
Sec-ButylBenzene	10.10	10.27	102
1,2-Dichlorobenzene	10.60	10.33	97
n-ButylBenzene	10.20	10.15	100
1,2-Dibromo-3-Chloropropane	10.10	10.15	100
1,2,4-Trichlorobenzene	11.00	10.75	98
Naphthalene	11.50	10.41	91
Hexachlorobutadiene	11.00	10.58	96

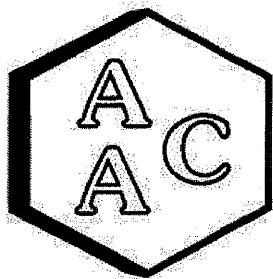
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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 : 10/10/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

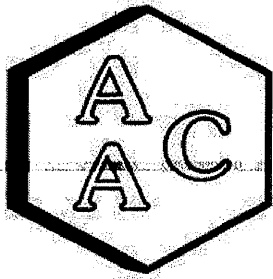
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.32	9.31	99	99	0.1
1,1-Dichloroethene	0.0	10.40	10.55	10.25	101	99	2.9
Methylene Chloride (DCM)	0.0	10.50	10.28	9.96	98	95	3.2
Benzene	0.0	10.60	10.86	10.92	102	103	0.6
Trichloroethene (TCE)	0.0	10.40	10.29	10.42	99	100	1.3
Toluene	0.0	10.60	10.77	10.80	102	102	0.3
Tetrachloroethene (PCE)	0.0	10.40	10.27	10.38	99	100	1.1
Chlorobenzene	0.0	10.60	10.22	10.05	96	95	1.7
Ethylbenzene	0.0	10.50	10.86	10.94	103	104	0.7
m & p-Xylene	0.0	21.00	21.26	21.13	101	101	0.6
o-Xylene	0.0	10.50	10.56	10.60	101	101	0.4

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 10/10/2023

INSTRUMENT ID : GC/MS-04

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

UNITS : PPB (v/v)

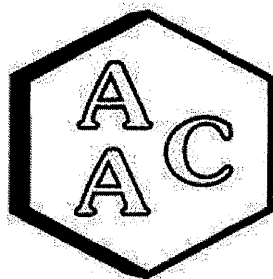
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 101023	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	1.0
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 101023	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 : 10/10/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1.36

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232060-49810

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.06	8.84	2.5
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	0.84	0.76	10.2
Chloromethane	<SRL	0.73	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	J 4.04	3.52	14.0
Methanol	27.6	26.6	3.6
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	36.0	36.1	0.2
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	9.68	9.57	1.1
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	3.57	3.45	3.5
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	1.38	<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)	4.47	4.40	1.5
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	1.26	1.32	4.2
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	1.03	1.06	2.6
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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	1.66	1.64	0.8
2-Hexanone (MBK)	<SRL	<SRL	NA
Dibromochloromethane	<SRL	<SRL	NA
1,2-Dibromoethane	<SRL	<SRL	NA
Tetrachloroethene (PCE)	<SRL	<SRL	NA
Chlorobenzene	<SRL	<SRL	NA
Ethylbenzene	<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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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



CHAIN OF CUSTODY RECORD 232060

Client/Project Name SCS Engineers/

Project Location

Chiquita Canyon Landfill Air/Odor Sampling

Valencia, CA

Project No.

Field Logbook No.

Sampler: (Print)

Charles Roberts

(Signature)

C. Roll

No. Of Containers

7

ANALYSES

307.91 Sulfur  
10-15 Full List

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time	Remarks Canister/Controller
MS-07	10-9/10-23	0707-0726	49810	6L Summa Canister	X	X					000811 / 17595
MS-12	10-9/10-23	0712-0741	49811	6L Summa Canister	X	X					001227 / 03608
MS-08	10-9/10-23	0732-0751	49812	6L Summa Canister	X	X					001231 / 000966
MS-09	10-9/10-23	0747-0804	49813	6L Summa Canister	X	X					001113 / 17591
MS-10	10-9/10-23	0801-0819	49814	6L Summa Canister	X	X					001221 / 000808
MS-06	10-9/10-23	0820-0839	49815	6L Summa Canister	X	X					001328 / 05259
MS-11	10-9/10-23	0848-0909	49816	6L Summa Canister	X	X					001373 / 1138

Relinquished by: (Signature)

C. Roll

Date

10-10-23

Time

10:37

Received by: (Signature)

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Relinquished by: (Signature)

Date

Time

Received for Laboratory: (Signature)

Sample Disposal Method:

Disposed of by: (Signature)

(Signature)

Date

Time

Sample Collector

Analytical Laboratory



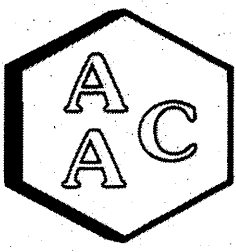
RTS Environmental Inc.

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

AAC Ventura

7c and 7d covered Ewers





# Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232060  
REPORT DATE : 10/12/2023

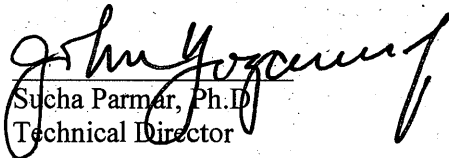
On October 10<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232060-49810	753.0
MS-12	232060-49811	760.5
MS-08	232060-49812	715.9
MS-09	232060-49813	757.5
MS-10	232060-49814	752.7
MS-06	232060-49815	741.2
MS-11	232060-49816	10.2

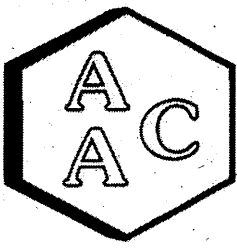
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aacalab.com](http://www.aacalab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Sample "MS-11" (AAC ID 232060-49816) was received with low return pressure and as a result, calculated dilution factor was high for this sample. No other problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 5 pages.



**LABORATORY ANALYSIS REPORT**

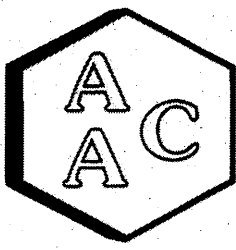
CLIENT : SCS Engineers  
 PROJECT NO. : 232060  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 10/09-10/2023  
 RECEIVING DATE : 10/10/2023  
 ANALYSIS DATE : 10/10/2023  
 REPORT DATE : 10/12/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	232060-49810	232060-49811	232060-49812	232060-49813
Canister Dil. Fac.	1.4	1.3	1.4	1.4
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	<0.014	<0.013	<0.014	<0.014
COS / SO2	<0.014	<0.013	<0.014	<0.014
Methyl Mercaptan	<0.014	<0.013	<0.014	<0.014
Ethyl Mercaptan	<0.014	<0.013	<0.014	<0.014
Dimethyl Sulfide	<0.014	<0.013	<0.014	<0.014
Carbon Disulfide	<0.014	<0.013	<0.014	<0.014
Isopropyl Mercaptan	<0.014	<0.013	<0.014	<0.014
tert-Butyl Mercaptan	<0.014	<0.013	<0.014	<0.014
n-Propyl Mercaptan	<0.014	<0.013	<0.014	<0.014
Methylethylsulfide	<0.014	<0.013	<0.014	<0.014
sec-Butyl Mercaptan / Thiophene	<0.014	<0.013	<0.014	<0.014
iso-Butyl Mercaptan	<0.014	<0.013	<0.014	<0.014
Diethyl Sulfide	<0.014	<0.013	<0.014	<0.014
n-Butyl Mercaptan	<0.014	<0.013	<0.014	<0.014
Dimethyl Disulfide	<0.014	<0.013	<0.014	<0.014
2-Methylthiophene	<0.014	<0.013	<0.014	<0.014
3-Methylthiophene	<0.014	<0.013	<0.014	<0.014
Tetrahydrothiophene	<0.014	<0.013	<0.014	<0.014
Bromothiophene	<0.014	<0.013	<0.014	<0.014
Thiophenol	<0.014	<0.013	<0.014	<0.014
Diethyl Disulfide	<0.014	<0.013	<0.014	<0.014
Total Unidentified Sulfur	<0.014	<0.013	<0.014	<0.014
Total Reduced Sulfurs	<0.014	<0.013	<0.014	<0.014

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



**LABORATORY ANALYSIS REPORT**

CLIENT : SCS Engineers  
 PROJECT NO. : 232060  
 MATRIX : AIR  
 UNITS : ppmv

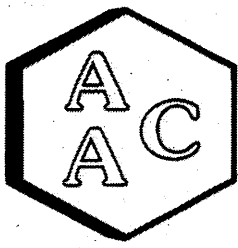
SAMPLING DATE : 10/09-10/2023  
 RECEIVING DATE : 10/10/2023  
 ANALYSIS DATE : 10/10/2023  
 REPORT DATE : 10/12/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-10	MS-06	MS-11
AAC ID	232060-49814	232060-49815	232060-49816
Canister Dil. Fac.	1.4	1.4	101
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.014	< 0.014	< 1.010
COS / SO2	< 0.014	< 0.014	< 1.010
Methyl Mercaptan	< 0.014	< 0.014	< 1.010
Ethyl Mercaptan	< 0.014	< 0.014	< 1.010
Dimethyl Sulfide	< 0.014	< 0.014	< 1.010
Carbon Disulfide	< 0.014	< 0.014	< 1.010
Isopropyl Mercaptan	< 0.014	< 0.014	< 1.010
tert-Butyl Mercaptan	< 0.014	< 0.014	< 1.010
n-Propyl Mercaptan	< 0.014	< 0.014	< 1.010
Methylethylsulfide	< 0.014	< 0.014	< 1.010
sec-Butyl Mercaptan / Thiophene	< 0.014	< 0.014	< 1.010
iso-Butyl Mercaptan	< 0.014	< 0.014	< 1.010
Diethyl Sulfide	< 0.014	< 0.014	< 1.010
n-Butyl Mercaptan	< 0.014	< 0.014	< 1.010
Dimethyl Disulfide	< 0.014	< 0.014	< 1.010
2-Methylthiophene	< 0.014	< 0.014	< 1.010
3-Methylthiophene	< 0.014	< 0.014	< 1.010
Tetrahydrothiophene	< 0.014	< 0.014	< 1.010
Bromothiophene	< 0.014	< 0.014	< 1.010
Thiophenol	< 0.014	< 0.014	< 1.010
Diethyl Disulfide	< 0.014	< 0.014	< 1.010
Total Unidentified Sulfur	< 0.014	< 0.014	< 1.010
Total Reduced Sulfurs	< 0.014	< 0.014	< 1.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

\*\*Sample "MS-11"(232060-49816) received with low return pressure\*\*



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/10/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H2S (SS1289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1818	493	98.7	1.1
Duplicate	1858	504	100.9	1.1
Triplicate	1840	499	99.9	0.1

547.5 ppbV H2S (SS1289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2381	552	100.9	0.7
Duplicate	2368	549	100.3	0.1
Triplicate	2347	544	99.4	0.8

479.0 ppbV H2S (SS1289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2496	472	98.5	1.3
Duplicate	2521	477	99.5	0.3
Triplicate	2567	485	101.3	1.5

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	269.6	253.8	107.9	101.6	6.0
MeSH	<PQL	273.8	284.1	282.9	103.8	103.4	0.4
DMS	<PQL	239.5	262.4	262.1	109.5	109.4	0.1

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	475.4	95.1
MeSH	547.5	579.2	105.8
DMS	479.0	490.3	102.4

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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

Client/Project Name SCS Engineers /

Project Location

Valencia, CA

**ANALYSES**

Project No. Chiquita Canyon Landfill Air/Gas Sampling

Field Logbook No.

Sampler: (Print)

(Signature)

No. Of Containers

Charles Roberts

C Roll

7

307.91 Sulfur  
70-15 Full List

Canister/Controller  
Remarks

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Canister/Controller	Remarks
MS-07	10-9/10-23	0707-0726	49810	6 L Summa Canister	X			000811 / 17595	
MS-12	10-9/10-23	0722-0741	49811	6 L Summa Canister	X			001227 / 03608	
MS-08	10-9/10-23	0732-0751	49812	6 L Summa Canister	X			001231 / 000966	
MS-09	10-9/10-23	0747-0804	49813	6 L Summa Canister	X			001113 / 17591	
MS-10	10-9/10-23	0801-0819	49814	6 L Summa Canister	X			001221 / 000808	
MS-06	10-9/10-23	0820-0839	49815	6 L Summa Canister	X			001328 / 05259	
MS-11	10-9/10-23	0848-0909	49816	6 L Summa Canister	X			001373 / 1138	

Relinquished by: (Signature)

C Roll

Date

10-10-23

Time

10:37

Received by: (Signature)

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Relinquished by: (Signature)

Date

Time

Received for Laboratory: (Signature)

Sample Disposal Method:

Disposed of by: (Signature)

[Signature]

Date

Time

Sample Collector

Analytical Laboratory

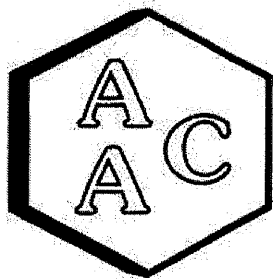


**RIES**  
Environmental Inc.

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

AAC Ventura

72 cans + 72 coated E-cans



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air Odor Sampling  
AAC PROJECT NO. : 232133  
REPORT DATE : 10/20/2023

On October 17, 2023, 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:

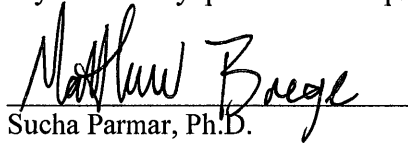
Client ID	Lab ID	Return Pressure (mmHga)
MS-07	232133-50190	645.9
MS-12	232133-50191	672.2
MS-08	232133-50192	687.0
MS-09	232133-50193	602.4
MS-10	232133-50194	438.1
MS-06	232133-50195	644.9
MS-11	232133-50196	561.1

**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](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples.

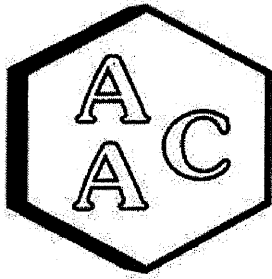
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
\_\_\_\_\_  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 14 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

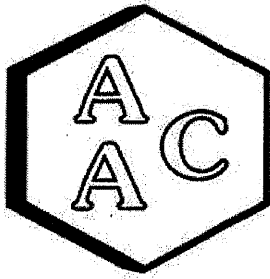
CLIENT : SCS Engineers  
 PROJECT NO : 232133  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/20/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
	232133-50190				232133-50191				
Date Sampled	10/16/2023				10/16/2023				
Date Analyzed	10/19/2023				10/19/2023				
Can Dilution Factor	1.58				1.52				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
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	0.85		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	28.6		1	7.91	16.4		1	7.62	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	8.24		1	3.16	12.1		1	3.05	2.00
Vinyl Bromide	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Acetone	6.53		1	3.16	6.22		1	3.05	2.00
Trichlorofluoromethane	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
2-Propanol (IPA)	<SRL	U	1	3.16	<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	3.16	<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	1.58	<SRL	U	1	1.52	1.00
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	1.84		1	0.79	<SRL	U	1	0.76	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232133  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/20/2023  
 ANALYST : DL/CH

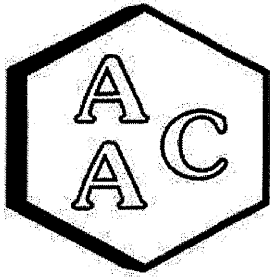
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	Date Sampled	Date Analyzed		232133-50190	10/16/2023	10/19/2023		
Can Dilution Factor	1.58			(MRLxDF's)	1.52			(MRLxDF's)	
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.79	<SRL	U	1	0.76	0.50
Cyclohexane	0.98		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	3.13		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	1.58	<SRL	U	1	1.52	1.00
Hexachlorobutadiene	<SRL	U	1	3.16	<SRL	U	1	3.05	2.00
BFB-Surrogate Std. % Recovery		93%				92%			70-130%

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

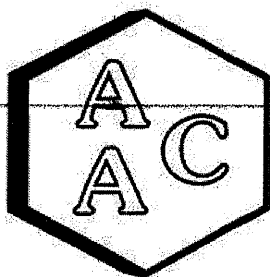
CLIENT : SCS Engineers  
 PROJECT NO : 232133  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/20/2023  
 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	Result	Qualifier		Analysis DF	Result	Qualifier		
	232133-50192				232133-50193				
Date Sampled	10/16/2023				10/16/2023				
Date Analyzed	10/19/2023				10/19/2023				
Can Dilution Factor	1.49				1.70				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Propene	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Chloromethane	0.80		1	0.74	1.20		1	0.85	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Methanol	472		10	74.4	18.5		1	8.49	5.00
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Ethanol	22.3		1	2.98	8.40		1	3.39	2.00
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Acetone	7.81		1	2.98	10.7		1	3.39	2.00
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
2-Propanol (IPA)	3.18		1	2.98	<SRL	U	1	3.39	2.00
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00
Carbon Disulfide	<SRL	U	1	2.98	<SRL	U	1	3.39	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Vinyl Acetate	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232133  
 MATRIX : AIR  
 UNITS : PPB (v/v)

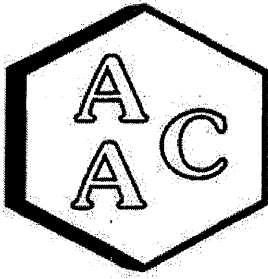
DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/20/2023  
 ANALYST : DL/CH

### 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		232133-50192				232133-50193				
Date Sampled		10/16/2023				10/16/2023				
Date Analyzed		10/19/2023				10/19/2023				
Can Dilution Factor		1.49			1.70					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00	
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00	
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.85	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.49	<SRL	U	1	1.70	1.00	
Hexachlorobutadiene	<SRL	U	1	2.98	<SRL	U	1	3.39	2.00	
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

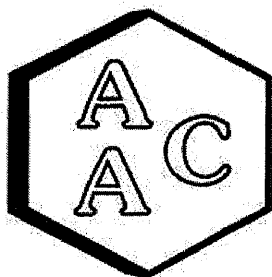
CLIENT : SCS Engineers  
 PROJECT NO : 232133  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/20/2023  
 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	Result	Qualifier		Analysis DF	Result	Qualifier		
	232133-50194				232133-50195				
Date Sampled	10/16/2023				10/16/2023				
Date Analyzed	10/19/2023				10/19/2023				
Can Dilution Factor	2.34				1.59				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Propene	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
Dichlorodifluoromethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Chloromethane	2.50		1	1.17	0.84		1	0.79	0.50
Dichlorotetrafluoroethane	12.1		1	1.17	<SRL	U	1	0.79	0.50
Vinyl Chloride	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Methanol	<SRL	U	1	11.7	95.5		1	7.95	5.00
1,3-Butadiene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Bromomethane	7.53		1	1.17	<SRL	U	1	0.79	0.50
Chloroethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Dichlorofluoromethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Ethanol	7.83		1	4.68	11.1		1	3.18	2.00
Vinyl Bromide	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Acetone	<SRL	U	1	4.68	8.42		1	3.18	2.00
Trichlorofluoromethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
2-Propanol (IPA)	<SRL	U	1	4.68	<SRL	U	1	3.18	2.00
Acrylonitrile	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,1-Dichloroethene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
Allyl Chloride	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
Carbon Disulfide	<SRL	U	1	4.68	<SRL	U	1	3.18	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,1-Dichloroethane	1.59		1	1.17	<SRL	U	1	0.79	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Vinyl Acetate	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
2-Butanone (MEK)	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Hexane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Chloroform	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Ethyl Acetate	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Tetrahydrofuran	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,2-Dichloroethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Benzene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232133  
 MATRIX : AIR  
 UNITS : PPB (v/v)

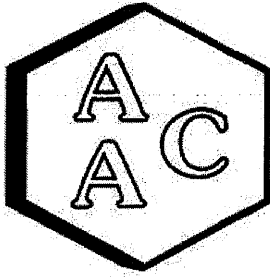
DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/20/2023  
 ANALYST : DL/CH

### 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	Result	Qualifier		Analysis DF	Result	Qualifier		
Date Sampled	232133-50194				232133-50195				
Date Analyzed	10/16/2023				10/16/2023				
Can Dilution Factor	10/19/2023				10/19/2023				
	2.34				1.59				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Cyclohexane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,2-Dichloropropane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Bromodichloromethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,4-Dioxane	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
Trichloroethene (TCE)	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Heptane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Toluene	<SRL	U	1	1.17	1.24		1	0.79	0.50
2-Hexanone (MBK)	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
Dibromochloromethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,2-Dibromoethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Chlorobenzene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Ethylbenzene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
m & p-Xylene	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
Bromoform	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Styrene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
o-Xylene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
4-Ethyltoluene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.17	<SRL	U	1	0.79	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	2.34	<SRL	U	1	1.59	1.00
Hexachlorobutadiene	<SRL	U	1	4.68	<SRL	U	1	3.18	2.00
BFB-Surrogate Std. % Recovery		94%				93%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

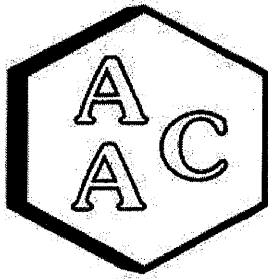
CLIENT : SCS Engineers  
 PROJECT NO : 232133  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/20/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11			Sample Reporting Limit (SRL) (MRL $\times$ DF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232133-50196				
<i>Date Sampled</i>		10/16/2023				
<i>Date Analyzed</i>		10/19/2023				
<i>Can Dilution Factor</i>		1.82				
<i>Compound</i>	Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.91	0.50	
Propene	<SRL	U	1	1.82	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.91	0.50	
Chloromethane	<SRL	U	1	0.91	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.91	0.50	
Vinyl Chloride	<SRL	U	1	0.91	0.50	
Methanol	13.4		1	9.12	5.00	
1,3-Butadiene	<SRL	U	1	0.91	0.50	
Bromomethane	<SRL	U	1	0.91	0.50	
Chloroethane	<SRL	U	1	0.91	0.50	
Dichlorofluoromethane	<SRL	U	1	0.91	0.50	
Ethanol	5.36		1	3.65	2.00	
Vinyl Bromide	<SRL	U	1	0.91	0.50	
Acetone	7.28		1	3.65	2.00	
Trichlorofluoromethane	<SRL	U	1	0.91	0.50	
2-Propanol (IPA)	<SRL	U	1	3.65	2.00	
Acrylonitrile	<SRL	U	1	0.91	0.50	
1,1-Dichloroethene	<SRL	U	1	0.91	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.82	1.00	
Allyl Chloride	<SRL	U	1	1.82	1.00	
Carbon Disulfide	<SRL	U	1	3.65	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.91	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.91	0.50	
1,1-Dichloroethane	<SRL	U	1	0.91	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.91	0.50	
Vinyl Acetate	<SRL	U	1	1.82	1.00	
2-Butanone (MEK)	<SRL	U	1	1.82	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.91	0.50	
Hexane	<SRL	U	1	0.91	0.50	
Chloroform	<SRL	U	1	0.91	0.50	
Ethyl Acetate	<SRL	U	1	0.91	0.50	
Tetrahydrofuran	<SRL	U	1	0.91	0.50	
1,2-Dichloroethane	<SRL	U	1	0.91	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.91	0.50	
Benzene	<SRL	U	1	0.91	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232133  
 MATRIX : AIR  
 UNITS : PPB (v/v)

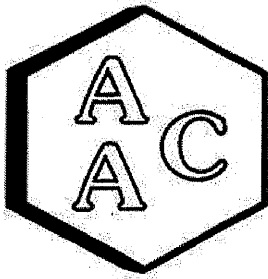
DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/20/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232133-50196				
<i>Date Sampled</i>		10/16/2023				
<i>Date Analyzed</i>		10/19/2023				
<i>Can Dilution Factor</i>		1.82				
<i>Compound</i>	Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.91	0.50	
Cyclohexane	<SRL	U	1	0.91	0.50	
1,2-Dichloropropane	<SRL	U	1	0.91	0.50	
Bromodichloromethane	<SRL	U	1	0.91	0.50	
1,4-Dioxane	<SRL	U	1	1.82	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.91	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.91	0.50	
Heptane	<SRL	U	1	0.91	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.91	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.91	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.91	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.91	0.50	
Toluene	<SRL	U	1	0.91	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.82	1.00	
Dibromochloromethane	<SRL	U	1	0.91	0.50	
1,2-Dibromoethane	<SRL	U	1	0.91	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.91	0.50	
Chlorobenzene	<SRL	U	1	0.91	0.50	
Ethylbenzene	<SRL	U	1	0.91	0.50	
m & p-Xylene	<SRL	U	1	1.82	1.00	
Bromoform	<SRL	U	1	0.91	0.50	
Styrene	<SRL	U	1	0.91	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.91	0.50	
o-Xylene	<SRL	U	1	0.91	0.50	
4-Ethyltoluene	<SRL	U	1	0.91	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.91	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.91	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.91	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.91	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.91	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.91	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.82	1.00	
Hexachlorobutadiene	<SRL	U	1	3.65	2.00	
BFB-Surrogate Std. % Recovery		93%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/19/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MS1-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.32	99
Chlorodifluoromethane	10.40	12.59	121
Propene	10.60	13.39	126
Dichlorodifluoromethane	10.40	11.42	110
Dimethyl Ether	10.20	12.22	120
Chloromethane	10.40	12.08	116
Dichlorotetrafluoroethane	10.30	10.19	99
Vinyl Chloride	10.50	12.61	120
Acetaldehyde	21.10	24.50	116
Methanol	18.80	20.35	108
1,3-Butadiene	10.60	13.22	125
Bromomethane	10.40	10.08	97
Chloroethane	10.30	11.33	110
Dichlorofluoromethane	10.20	11.05	108
Ethanol	11.20	11.63	104
Vinyl Bromide	10.10	10.31	102
Acrolein	11.10	13.72	124
Acetone	10.60	10.87	103
Trichlorofluoromethane	10.50	10.32	98
2-Propanol (IPA)	11.00	12.33	112
Acrylonitrile	11.20	13.45	120
1,1-Dichloroethene	10.40	10.44	100
Methylene Chloride (DCM)	10.50	10.30	98
TertButanol (TBA)	11.10	11.98	108
Allyl Chloride	10.20	11.21	110
Carbon Disulfide	10.50	11.26	107
Trichlorotrifluoroethane	10.40	10.08	97
trans-1,2-Dichloroethene	10.60	11.63	110
1,1-Dichloroethane	10.50	11.91	113
Methyl Tert Butyl Ether (MTBE)	10.50	11.08	106
Vinyl Acetate	11.00	12.34	112
2-Butanone (MEK)	10.60	11.19	106
cis-1,2-Dichloroethene	10.50	10.99	105
Hexane	10.70	10.96	102
Chloroform	10.60	11.10	105
Ethyl Acetate	10.60	13.30	125
Tetrahydrofuran	10.20	10.75	105
1,2-Dichloroethane	10.50	11.41	109
1,1,1-Trichloroethane	10.40	10.74	103
Benzene	10.60	11.20	106
Carbon Tetrachloride	10.20	10.71	105
Cyclohexane	10.50	10.39	99

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	12.09	115
Bromodichloromethane	10.40	11.31	109
1,4-Dioxane	10.40	9.60	92
Trichloroethene (TCE)	10.40	10.20	98
2,2,4-Trimethylpentane	10.00	11.80	118
Methyl Methacrylate	11.00	12.54	114
Heptane	10.50	11.24	107
cis-1,3-Dichloropropene	10.40	11.86	114
4-Methyl-2-pentanone (MiBK)	10.40	11.71	113
trans-1,3-Dichloropropene	10.50	11.59	110
1,1,2-Trichloroethane	10.50	10.81	103
Toluene	10.60	10.81	102
2-Hexanone (MBK)	10.50	12.17	116
Dibromochloromethane	10.30	11.14	108
1,2-Dibromoethane	10.60	10.86	102
Tetrachloroethene (PCE)	10.40	10.10	97
Chlorobenzene	10.60	10.25	97
Ethylbenzene	10.50	11.08	106
m & p-Xylene	21.00	21.59	103
Bromoform	10.50	11.46	109
Styrene	10.50	11.28	107
1,1,2,2-Tetrachloroethane	10.50	10.92	104
o-Xylene	10.50	10.67	102
1,2,3-Trichloropropane	11.00	11.09	101
Isopropylbenzene (Cumene)	10.30	10.19	99
α-Pinene	10.70	10.96	102
2-Chlorotoluene	10.30	10.28	100
n-Propylbenzene	10.10	9.98	99
4-Ethyltoluene	10.30	10.22	99
1,3,5-Trimethylbenzene	10.30	10.43	101
β-Pinene	11.00	11.56	105
1,2,4-Trimethylbenzene	10.30	10.19	99
Benzyl Chloride (a-Chlorotoluene)	10.40	9.21	89
1,3-Dichlorobenzene	10.40	10.08	97
1,4-Dichlorobenzene	10.30	9.88	96
Sec-ButylBenzene	10.10	10.04	99
1,2-Dichlorobenzene	10.60	9.76	92
n-ButylBenzene	10.20	9.59	94
1,2-Dibromo-3-Chloropropane	10.10	8.77	87
1,2,4-Trichlorobenzene	11.00	9.49	86
Naphthalene	11.50	9.16	80
Hexachlorobutadiene	11.00	9.09	83

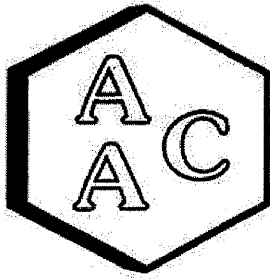
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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 : 10/19/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.32	9.40	99	100	0.9
1,1-Dichloroethene	0.0	10.40	10.44	11.08	100	107	5.9
Methylene Chloride (DCM)	0.0	10.50	10.30	10.43	98	99	1.3
Benzene	0.0	10.60	11.20	11.52	106	109	2.8
Trichloroethene (TCE)	0.0	10.40	10.20	10.71	98	103	4.9
Toluene	0.0	10.60	10.81	11.27	102	106	4.2
Tetrachloroethene (PCE)	0.0	10.40	10.10	10.59	97	102	4.7
Chlorobenzene	0.0	10.60	10.25	10.77	97	102	4.9
Ethylbenzene	0.0	10.50	11.08	11.56	106	110	4.2
m & p-Xylene	0.0	21.00	21.59	22.75	103	108	5.2
o-Xylene	0.0	10.50	10.67	11.34	102	108	6.1

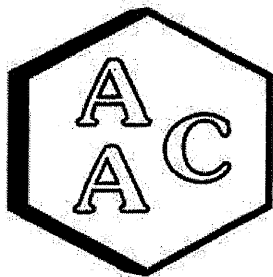
<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 10/19/2023

INSTRUMENT ID : GC/MS-04

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

UNITS : PPB (v/v)

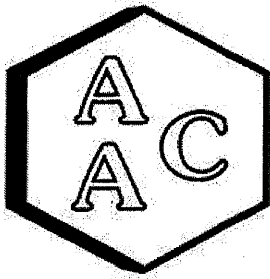
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 101923	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	1.0
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 101923	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 : 10/19/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1.52

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232133-50191

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	8.65	8.76	1.3
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	3.98	4.02	1.1
Methanol	16.4	15.3	6.6
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	12.1	12.2	0.5
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	6.22	5.87	5.8
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	<SRL	<SRL	NA
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	<SRL	<SRL	NA
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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



CHAIN OF CUSTODY RECORD 232133

Client/Project Name **SCS Engineers / Chiquita Canyon Landfill Air/odor Sampling**

Project Location

Valencia, CA

**ANALYSES**

Project No.

Field Logbook No.

Sampler: (Print)

Alberto Lopez

(Signature)

*Alberto Lopez*

No. Of Containers

7

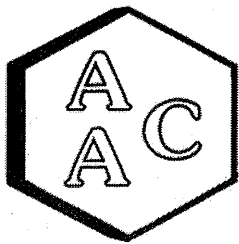
307.91 Sulfur  
TO-15 Full List

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	10-16/17-23	0706 - 0704	50190	6L Summa Canister	<i>[Signature]</i>	10/17/23	1009	Canister / Controller
MS-12	10-16/17-23	0721 - 0721	50191	6L Summa Canister	<i>[Signature]</i>			
MS-08	10-16/17-23	0731 - 0731	50192	6L Summa Canister	<i>[Signature]</i>			
MS-09	10-16/17-23	0743 - 0745	50193	6L Summa Canister	<i>[Signature]</i>			
MS-10	10-16/17-23	0800 - 0800	50194	6L Summa Canister	<i>[Signature]</i>			
MS-06	10-16/17-23	0818 - 0820	50195	6L Summa Canister	<i>[Signature]</i>			
MS-11	10-16/17-23	0847 - 0849	50196	6L Summa Canister	<i>[Signature]</i>			
Relinquished by: (Signature)								
<i>[Signature]</i>								
Relinquished by: (Signature)								
<i>[Signature]</i>								
Relinquished by: (Signature)								
<i>[Signature]</i>								
Sample Disposal Method:								
Sample Collector								
Analytical Laboratory								
AAC Ventura								
7c sur + 7c control samples								



**Environmental Inc.**

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232133  
REPORT DATE : 10/20/2023

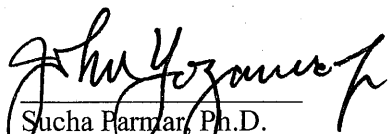
On October 17<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232133-50190	645.9
MS-12	232133-50191	672.2
MS-08	232133-50192	687.0
MS-09	232133-50193	602.4
MS-10	232133-50194	438.1
MS-06	232133-50195	644.9
MS-11	232133-50196	561.1

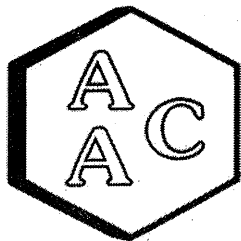
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
\_\_\_\_\_  
Sucha Parmar, Ph.D.  
Technical Director

-----  
  
This report consists of 5 pages.



## LABORATORY ANALYSIS REPORT

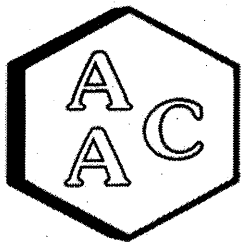
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232133  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/16-17/2023  
**RECEIVING DATE :** 10/17/2023  
**ANALYSIS DATE :** 10/17/2023  
**REPORT DATE :** 10/19/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	232133-50190	232133-50191	232133-50192	232133-50193
Canister Dil. Fac.	1.58	1.52	1.49	1.70
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.016	< 0.015	< 0.015	< 0.017
COS / SO2	< 0.016	< 0.015	< 0.015	< 0.017
Methyl Mercaptan	< 0.016	< 0.015	< 0.015	< 0.017
Ethyl Mercaptan	< 0.016	< 0.015	< 0.015	< 0.017
Dimethyl Sulfide	< 0.016	< 0.015	< 0.015	< 0.017
Carbon Disulfide	< 0.016	< 0.015	< 0.015	< 0.017
Isopropyl Mercaptan	< 0.016	< 0.015	< 0.015	< 0.017
tert-Butyl Mercaptan	< 0.016	< 0.015	< 0.015	< 0.017
n-Propyl Mercaptan	< 0.016	< 0.015	< 0.015	< 0.017
Methylethylsulfide	< 0.016	< 0.015	< 0.015	< 0.017
sec-Butyl Mercaptan / Thiophene	< 0.016	< 0.015	< 0.015	< 0.017
iso-Butyl Mercaptan	< 0.016	< 0.015	< 0.015	< 0.017
Diethyl Sulfide	< 0.016	< 0.015	< 0.015	< 0.017
n-Butyl Mercaptan	< 0.016	< 0.015	< 0.015	< 0.017
Dimethyl Disulfide	< 0.016	< 0.015	< 0.015	< 0.017
2-Methylthiophene	< 0.016	< 0.015	< 0.015	< 0.017
3-Methylthiophene	< 0.016	< 0.015	< 0.015	< 0.017
Tetrahydrothiophene	< 0.016	< 0.015	< 0.015	< 0.017
Bromothiophene	< 0.016	< 0.015	< 0.015	< 0.017
Thiophenol	< 0.016	< 0.015	< 0.015	< 0.017
Diethyl Disulfide	< 0.016	< 0.015	< 0.015	< 0.017
Total Unidentified Sulfur	< 0.016	< 0.015	< 0.015	< 0.017
Total Reduced Sulfurs	< 0.016	< 0.015	< 0.015	< 0.017

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

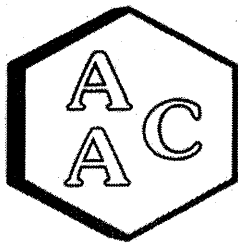
CLIENT : SCS Engineers  
 PROJECT NO. : 232133  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 10/16-17/2023  
 RECEIVING DATE : 10/17/2023  
 ANALYSIS DATE : 10/17/2023  
 REPORT DATE : 10/19/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	232133-50194	232133-50195	232133-50196
Canister Dil. Fac.	2.34	1.59	1.82
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.023	< 0.016	< 0.018
COS / SO2	< 0.023	< 0.016	< 0.018
Methyl Mercaptan	< 0.023	< 0.016	< 0.018
Ethyl Mercaptan	< 0.023	< 0.016	< 0.018
Dimethyl Sulfide	< 0.023	< 0.016	< 0.018
Carbon Disulfide	< 0.023	< 0.016	< 0.018
Isopropyl Mercaptan	< 0.023	< 0.016	< 0.018
tert-Butyl Mercaptan	< 0.023	< 0.016	< 0.018
n-Propyl Mercaptan	< 0.023	< 0.016	< 0.018
Methylethylsulfide	< 0.023	< 0.016	< 0.018
sec-Butyl Mercaptan / Thiophene	< 0.023	< 0.016	< 0.018
iso-Butyl Mercaptan	< 0.023	< 0.016	< 0.018
Diethyl Sulfide	< 0.023	< 0.016	< 0.018
n-Butyl Mercaptan	< 0.023	< 0.016	< 0.018
Dimethyl Disulfide	< 0.023	< 0.016	< 0.018
2-Methylthiophene	< 0.023	< 0.016	< 0.018
3-Methylthiophene	< 0.023	< 0.016	< 0.018
Tetrahydrothiophene	< 0.023	< 0.016	< 0.018
Bromothiophene	< 0.023	< 0.016	< 0.018
Thiophenol	< 0.023	< 0.016	< 0.018
Diethyl Disulfide	< 0.023	< 0.016	< 0.018
Total Unidentified Sulfur	< 0.023	< 0.016	< 0.018
Total Reduced Sulfurs	< 0.023	< 0.016	< 0.018

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/17/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	867	0.499	99.8	0.6
Duplicate	862	0.496	99.2	0.0
Triplicate	858	0.493	98.7	0.5

0.548 ppbV H<sub>2</sub>S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	882	0.536	97.9	1.2
Duplicate	898	0.545	99.6	0.5
Triplicate	898	0.546	99.7	0.6

0.479 ppbV H<sub>2</sub>S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	885	0.488	101.9	2.1
Duplicate	865	0.477	99.5	0.2
Triplicate	850	0.468	97.8	1.9

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.271	0.251	108.5	100.5	7.7
MeSH	<PQL	0.274	0.290	0.284	105.9	103.7	2.1
DMS	<PQL	0.240	0.254	0.243	106.1	101.5	4.4

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.458	91.6
MeSH	0.548	0.526	96.1
DMS	0.479	0.499	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

Client/Project Name: SCS Engineers / Project Location: Valencia, CA

Project No.: Chigrita Canyon Landfill Air/odor Sampling Field Logbook No. ANALYSES

Sampler: (Print) Alberto Lopez (Signature) [Signature] No. Of Containers: 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	10-16/17-23	0700-0704	50190	6L Summer Canister	[Signature]	10/17/23	1009	Comister Controller
MS-12	10-16/17-23	0721-0721	50191	6L Summer Canister	[Signature]			
MS-08	10-16/17-23	0731-0731	50192	6L Summer Canister	[Signature]			
MS-09	10-16/17-23	0743-0745	50193	6L Summer Canister	[Signature]			
MS-10	10-16/17-23	0800-0800	50194	6L Summer Canister	[Signature]			
MS-06	10-16/17-23	0815-0820	50195	6L Summer Canister	[Signature]			
MS-11	10-16/17-23	0847-0849	50196	6L Summer Canister	[Signature]			

Relinquished by: (Signature)				Date	Time	Received by: (Signature)	Date	Time
[Signature]				10/17/23	1009	[Signature]		

Relinquished by: (Signature)				Date	Time	Received for Laboratory: (Signature)	Date	Time
[Signature]						[Signature]	10/17/23	1209

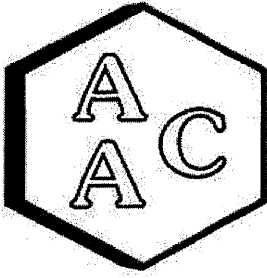
Sample Disposal Method:				Disposed of by: (Signature)			
[Signature]				[Signature]			

Sample Collector: Analytical Laboratory

**RRS Environmental Inc.**  
 865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

AAC Ventura  
 7c ans + 7c control Enrolls





# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air Odor Sampling  
AAC PROJECT NO. : 232185  
REPORT DATE : 10/25/2023

On October 24, 2023, 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:

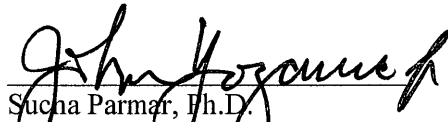
Client ID	Lab ID	Return Pressure (mmHga)
MS-07	232185-50437	495.2
MS-12	232185-50438	637.1
MS-08	232185-50439	756.7
MS-09	232185-50440	661.9
MS-10	232185-50441	688.6
MS-06	232185-50442	571.1
MS-11	232185-50443	720.2

**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.aacalab.com](http://www.aacalab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples.

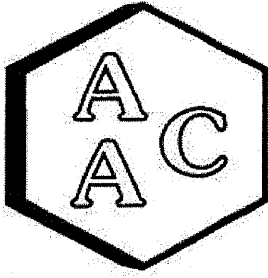
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 14 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

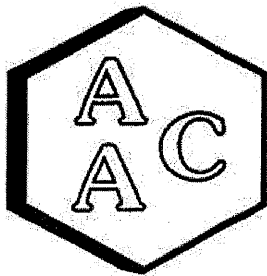
CLIENT : SCS Engineers  
 PROJECT NO : 232185  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/25/2023  
 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		232185-50437				232185-50438				
Date Sampled		10/23/2023				10/23/2023				
Date Analyzed		10/24/2023				10/24/2023				
Can Dilution Factor		2.06			1.60					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Propene	<SRL	U	1	2.06	<SRL	U	1	1.60	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Chloromethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Vinyl Chloride	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Methanol	<SRL	U	1	10.3	13.4	U	1	8.02	5.00	
1,3-Butadiene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Bromomethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Chloroethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Dichlorofluoromethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Ethanol	11.1	U	1	4.13	10.4	U	1	3.21	2.00	
Vinyl Bromide	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Acetone	6.02	U	1	4.13	7.28	U	1	3.21	2.00	
Trichlorofluoromethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
2-Propanol (IPA)	<SRL	U	1	4.13	<SRL	U	1	3.21	2.00	
Acrylonitrile	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,1-Dichloroethene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Methylene Chloride (DCM)	3.55	U	1	2.06	<SRL	U	1	1.60	1.00	
Allyl Chloride	<SRL	U	1	2.06	<SRL	U	1	1.60	1.00	
Carbon Disulfide	<SRL	U	1	4.13	<SRL	U	1	3.21	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,1-Dichloroethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Vinyl Acetate	<SRL	U	1	2.06	<SRL	U	1	1.60	1.00	
2-Butanone (MEK)	2.08	U	1	2.06	1.99	U	1	1.60	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Hexane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Chloroform	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Ethyl Acetate	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Tetrahydrofuran	<SRL	U	1	1.03	1.73	U	1	0.80	0.50	
1,2-Dichloroethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Benzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232185  
 MATRIX : AIR  
 UNITS : PPB (v/v)

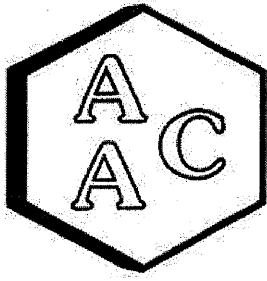
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/25/2023  
 ANALYST : DL/CH

### 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		232185-50437				232185-50438				
Date Sampled		10/23/2023				10/23/2023				
Date Analyzed		10/24/2023				10/24/2023				
Can Dilution Factor		2.06			1.60					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Cyclohexane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,2-Dichloropropane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Bromodichloromethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,4-Dioxane	<SRL	U	1	2.06	<SRL	U	1	1.60	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Heptane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Toluene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.06	<SRL	U	1	1.60	1.00	
Dibromochloromethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,2-Dibromoethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Chlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Ethylbenzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
m & p-Xylene	<SRL	U	1	2.06	<SRL	U	1	1.60	1.00	
Bromoform	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Styrene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
o-Xylene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
4-Ethyltoluene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
Hexachlorobutadiene	<SRL	U	1	1.03	<SRL	U	1	0.80	0.50	
BFB-Surrogate Std. % Recovery		95%				96%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

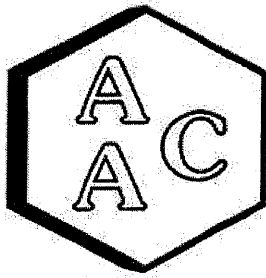
CLIENT : SCS Engineers  
 PROJECT NO : 232185  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/25/2023  
 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		232185-50439				232185-50440				
Date Sampled		10/23/2023				10/23/2023				
Date Analyzed		10/24/2023				10/24/2023				
Can Dilution Factor		1.35			1.55					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Propene	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Chloromethane	0.73		1	0.68	0.89		1	0.78	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Methanol	<SRL	U	1	6.75	<SRL	U	1	7.77	5.00	
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Ethanol	2.77		1	2.70	6.08		1	3.11	2.00	
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Acetone	2.84		1	2.70	7.57		1	3.11	2.00	
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
2-Propanol (IPA)	<SRL	U	1	2.70	<SRL	U	1	3.11	2.00	
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00	
Allyl Chloride	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00	
Carbon Disulfide	<SRL	U	1	2.70	<SRL	U	1	3.11	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Vinyl Acetate	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00	
2-Butanone (MEK)	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Ethyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	
Benzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232185  
 MATRIX : AIR  
 UNITS : PPB (v/v)

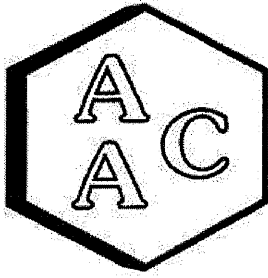
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/25/2023  
 ANALYST : DL/CH

### 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		232185-50439				232185-50440					
Date Sampled		10/23/2023				10/23/2023					
Date Analyzed		10/24/2023				10/24/2023					
Can Dilution Factor		1.35			1.55						
Compound	Result	Qualifier	Analysis DF	Analysis DF	Result	Qualifier	Analysis DF	Analysis DF	Result	Qualifier	Analysis DF
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,4-Dioxane	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00		
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Toluene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
2-Hexanone (MBK)	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00		
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
m & p-Xylene	<SRL	U	1	1.35	<SRL	U	1	1.55	1.00		
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
Hexachlorobutadiene	<SRL	U	1	0.68	<SRL	U	1	0.78	0.50		
BFB-Surrogate Std. % Recovery		97%				97%			70-130%		

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

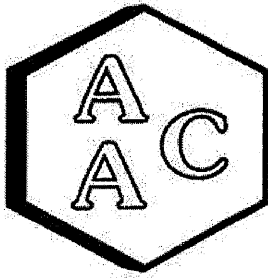
CLIENT : SCS Engineers  
 PROJECT NO : 232185  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/25/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-10			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	MS-06			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		232185-50441				232185-50442				
<i>Date Sampled</i>		10/23/2023				10/23/2023				
<i>Date Analyzed</i>		10/24/2023				10/24/2023				
<i>Can Dilution Factor</i>		1.49			1.79					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>	<i>(MRLxDF's)</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>	<i>(MRLxDF's)</i>	<i>(MRL)</i>	
Chlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Propene	<SRL	U	1	1.49	<SRL	U	1	1.79	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Chloromethane	0.88		1	0.74	<SRL	U	1	0.89	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Vinyl Chloride	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Methanol	9.18		1	7.44	15.5		1	8.93	5.00	
1,3-Butadiene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Bromomethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Chloroethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Dichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Ethanol	6.98		1	2.98	16.3		1	3.57	2.00	
Vinyl Bromide	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Acetone	5.69		1	2.98	8.83		1	3.57	2.00	
Trichlorofluoromethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
2-Propanol (IPA)	<SRL	U	1	2.98	<SRL	U	1	3.57	2.00	
Acrylonitrile	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,1-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.49	<SRL	U	1	1.79	1.00	
Allyl Chloride	<SRL	U	1	1.49	<SRL	U	1	1.79	1.00	
Carbon Disulfide	<SRL	U	1	2.98	<SRL	U	1	3.57	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,1-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Vinyl Acetate	<SRL	U	1	1.49	<SRL	U	1	1.79	1.00	
2-Butanone (MEK)	<SRL	U	1	1.49	<SRL	U	1	1.79	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Hexane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Chloroform	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Ethyl Acetate	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Tetrahydrofuran	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,2-Dichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Benzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232185  
 MATRIX : AIR  
 UNITS : PPB (v/v)

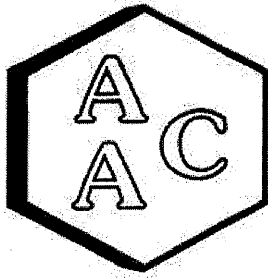
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/25/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232185-50441				232185-50442				
<i>Date Sampled</i>		10/23/2023				10/23/2023				
<i>Date Analyzed</i>		10/24/2023				10/24/2023				
<i>Can Dilution Factor</i>		1.49			1.79					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Carbon Tetrachloride	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Cyclohexane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,2-Dichloropropane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Bromodichloromethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,4-Dioxane	<SRL	U	1	1.49	<SRL	U	1	1.79	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Heptane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Toluene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.49	<SRL	U	1	1.79	1.00	
Dibromochloromethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,2-Dibromoethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Chlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Ethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
m & p-Xylene	<SRL	U	1	1.49	<SRL	U	1	1.79	1.00	
Bromoform	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Styrene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
o-Xylene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
4-Ethyltoluene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.74	<SRL	U	1	0.89	0.50	
Hexachlorobutadiene	<SRL	U	1	0.74	<SRL	U	1	0.89	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 : 232185  
 MATRIX : AIR  
 UNITS : PPB (v/v)

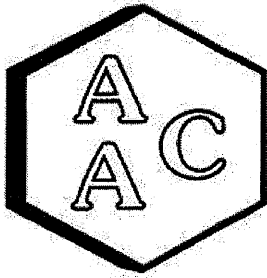
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/25/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232185-50443				
<i>Date Sampled</i>		10/23/2023				
<i>Date Analyzed</i>		10/24/2023				
<i>Can Dilution Factor</i>		1.42				
<i>Compound</i>	Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.71	0.50	
Propene	<SRL	U	1	1.42	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.71	0.50	
Chloromethane	0.82		1	0.71	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.71	0.50	
Vinyl Chloride	<SRL	U	1	0.71	0.50	
Methanol	14.4		1	7.08	5.00	
1,3-Butadiene	<SRL	U	1	0.71	0.50	
Bromomethane	<SRL	U	1	0.71	0.50	
Chloroethane	<SRL	U	1	0.71	0.50	
Dichlorofluoromethane	<SRL	U	1	0.71	0.50	
Ethanol	5.71		1	2.83	2.00	
Vinyl Bromide	<SRL	U	1	0.71	0.50	
Acetone	8.56		1	2.83	2.00	
Trichlorofluoromethane	<SRL	U	1	0.71	0.50	
2-Propanol (IPA)	<SRL	U	1	2.83	2.00	
Acrylonitrile	<SRL	U	1	0.71	0.50	
1,1-Dichloroethene	<SRL	U	1	0.71	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.42	1.00	
Allyl Chloride	<SRL	U	1	1.42	1.00	
Carbon Disulfide	6.89		1	2.83	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.71	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.71	0.50	
1,1-Dichloroethane	<SRL	U	1	0.71	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	0.50	
Vinyl Acetate	<SRL	U	1	1.42	1.00	
2-Butanone (MEK)	<SRL	U	1	1.42	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.71	0.50	
Hexane	<SRL	U	1	0.71	0.50	
Chloroform	<SRL	U	1	0.71	0.50	
Ethyl Acetate	<SRL	U	1	0.71	0.50	
Tetrahydrofuran	<SRL	U	1	0.71	0.50	
1,2-Dichloroethane	<SRL	U	1	0.71	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.71	0.50	
Benzene	<SRL	U	1	0.71	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232185  
 MATRIX : AIR  
 UNITS : PPB (v/v)

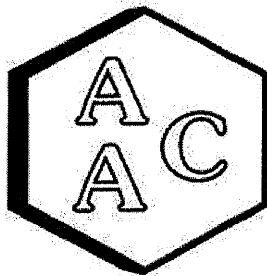
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/25/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232185-50443				
<i>Date Sampled</i>		10/23/2023				
<i>Date Analyzed</i>		10/24/2023				
<i>Can Dilution Factor</i>		1.42				
<i>Compound</i>	Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.71	0.50	
Cyclohexane	<SRL	U	1	0.71	0.50	
1,2-Dichloropropane	<SRL	U	1	0.71	0.50	
Bromodichloromethane	<SRL	U	1	0.71	0.50	
1,4-Dioxane	<SRL	U	1	1.42	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.71	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.71	0.50	
Heptane	<SRL	U	1	0.71	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.71	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.71	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.71	0.50	
Toluene	<SRL	U	1	0.71	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.42	1.00	
Dibromochloromethane	<SRL	U	1	0.71	0.50	
1,2-Dibromoethane	<SRL	U	1	0.71	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.71	0.50	
Chlorobenzene	<SRL	U	1	0.71	0.50	
Ethylbenzene	<SRL	U	1	0.71	0.50	
m & p-Xylene	<SRL	U	1	1.42	1.00	
Bromoform	<SRL	U	1	0.71	0.50	
Styrene	<SRL	U	1	0.71	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	0.50	
o-Xylene	<SRL	U	1	0.71	0.50	
4-Ethyltoluene	<SRL	U	1	0.71	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.71	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.71	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.71	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	0.50	
Hexachlorobutadiene	<SRL	U	1	0.71	0.50	
BFB-Surrogate Std. % Recovery			97%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/24/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MS1-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.48	101
Chlorodifluoromethane	10.40	13.09	126
Propene	10.60	13.32	126
Dichlorodifluoromethane	10.40	12.14	117
Dimethyl Ether	10.20	12.94	127
Chloromethane	10.40	12.65	122
Dichlorotetrafluoroethane	10.30	10.73	104
Vinyl Chloride	10.50	13.10	125
Acetaldehyde	21.10	24.33	115
Methanol	18.80	20.47	109
1,3-Butadiene	10.60	13.42	127
Bromomethane	10.40	10.72	103
Chloroethane	10.30	11.77	114
Dichlorofluoromethane	10.20	11.62	114
Ethanol	11.20	13.03	116
Vinyl Bromide	10.10	10.30	102
Acrolein	11.10	13.61	123
Acetone	10.60	11.63	110
Trichlorofluoromethane	10.50	10.97	104
2-Propanol (IPA)	11.00	13.59	124
Acrylonitrile	11.20	14.37	128
1,1-Dichloroethene	10.40	10.97	105
Methylene Chloride (DCM)	10.50	10.60	101
TertButanol (TBA)	11.10	14.02	126
Allyl Chloride	10.20	11.89	117
Carbon Disulfide	10.50	11.71	112
Trichlorotrifluoroethane	10.40	10.70	103
trans-1,2-Dichloroethene	10.60	11.70	110
1,1-Dichloroethane	10.50	12.40	118
Methyl Tert Butyl Ether (MTBE)	10.50	11.83	113
Vinyl Acetate	11.00	13.73	125
2-Butanone (MEK)	10.60	11.56	109
cis-1,2-Dichloroethene	10.50	11.53	110
Hexane	10.70	11.51	108
Chloroform	10.60	11.67	110
Ethyl Acetate	10.60	13.70	129
Tetrahydrofuran	10.20	11.52	113
1,2-Dichloroethane	10.50	12.50	119
1,1,1-Trichloroethane	10.40	11.51	111
Benzene	10.60	11.55	109
Carbon Tetrachloride	10.20	11.61	114
Cyclohexane	10.50	10.71	102

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	12.71	121
Bromodichloromethane	10.40	12.31	118
1,4-Dioxane	10.40	10.87	105
Trichloroethene (TCE)	10.40	10.63	102
2,2,4-Trimethylpentane	10.00	12.47	125
Methyl Methacrylate	11.00	13.26	121
Heptane	10.50	11.71	112
cis-1,3-Dichloropropene	10.40	12.43	120
4-Methyl-2-pentanone (MiBK)	10.40	12.91	124
trans-1,3-Dichloropropene	10.50	12.52	119
1,1,2-Trichloroethane	10.50	11.37	108
Toluene	10.60	11.19	106
2-Hexanone (MBK)	10.50	13.38	127
Dibromochloromethane	10.30	11.90	116
1,2-Dibromoethane	10.60	11.34	107
Tetrachloroethene (PCE)	10.40	10.52	101
Chlorobenzene	10.60	10.54	99
Ethylbenzene	10.50	11.39	108
m & p-Xylene	21.00	22.24	106
Bromoform	10.50	12.63	120
Styrene	10.50	11.60	110
1,1,2,2-Tetrachloroethane	10.50	11.80	112
o-Xylene	10.50	11.16	106
1,2,3-Trichloropropane	11.00	11.84	108
Isopropylbenzene (Cumene)	10.30	10.71	104
α-Pinene	10.70	11.78	110
2-Chlorotoluene	10.30	10.79	105
n-Propylbenzene	10.10	10.60	105
4-Ethyltoluene	10.30	10.76	104
1,3,5-Trimethylbenzene	10.30	11.02	107
β-Pinene	11.00	10.61	96
1,2,4-Trimethylbenzene	10.30	10.76	104
Benzyl Chloride (a-Chlorotoluene)	10.40	10.05	97
1,3-Dichlorobenzene	10.40	10.79	104
1,4-Dichlorobenzene	10.30	10.68	104
Sec-ButylBenzene	10.10	10.67	106
1,2-Dichlorobenzene	10.60	10.65	100
n-ButylBenzene	10.20	10.37	102
1,2-Dibromo-3-Chloropropane	10.10	10.75	106
1,2,4-Trichlorobenzene	11.00	11.30	103
Naphthalene	11.50	10.55	92
Hexachlorobutadiene	11.00	10.68	97

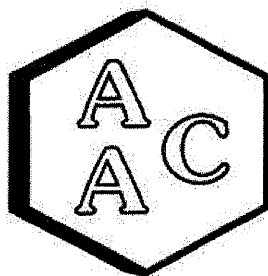
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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 : 10/24/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

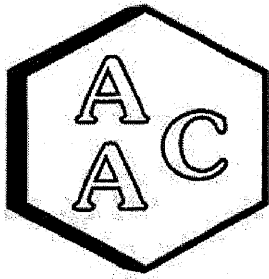
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.48	9.35	101	99	1.4
1,1-Dichloroethene	0.0	10.40	10.97	10.71	105	103	2.4
Methylene Chloride (DCM)	0.0	10.50	10.60	9.99	101	95	5.9
Benzene	0.0	10.60	11.55	11.60	109	109	0.4
Trichloroethene (TCE)	0.0	10.40	10.63	10.63	102	102	0.0
Toluene	0.0	10.60	11.19	11.20	106	106	0.1
Tetrachloroethene (PCE)	0.0	10.40	10.52	10.72	101	103	1.9
Chlorobenzene	0.0	10.60	10.54	10.74	99	101	1.9
Ethylbenzene	0.0	10.50	11.39	11.48	108	109	0.8
m & p-Xylene	0.0	21.00	22.24	22.30	106	106	0.3
o-Xylene	0.0	10.50	11.16	11.10	106	106	0.5

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 10/24/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

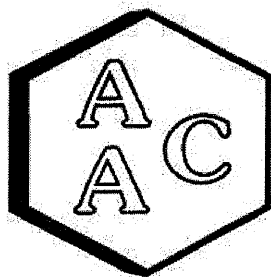
INSTRUMENT ID : GC/MS-04  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 102423	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	1.0
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 102423	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 : 10/24/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x4.47

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232096-49945

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	8.89	9.06	1.9
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	J 2.59	2.64	1.7
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	4.74	4.47	5.8
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	94.1	86.3	8.7
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	6.57	7.02	6.6
Acetone	27.4	27.9	1.9
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)	2.32	2.64	12.6
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	26.4	27.1	2.7
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)	4.65	5.14	10.0
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	26.4	27.9	5.3
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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



**CHAIN OF CUSTODY RECORD**

Client/Project Name SCS Engineers / Project Location Valencia, CA  
Migrita Canyon Landfill Air/ater Sampling

Project No. 232185 Field Logbook No.                      **ANALYSES**

Sampler: (Print) Alberto Lopez (Signature) Alberto Lopez No. Of Containers 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	10-23/24-23	0710-0717	50437	6L Summa Canister	<input checked="" type="checkbox"/>			Canister / Controller
MS-12	10-23/24-23	0720-0731	50438	6L Summa Canister	<input checked="" type="checkbox"/>			000917 / 19512
MS-08	10-23/24-23	0728-0742	50439	6L Summa Canister	<input checked="" type="checkbox"/>			000786 / 19511
MS-09	10-23/24-23	0737-0758	50440	6L Summa Canister	<input checked="" type="checkbox"/>			000830 / 05259
MS-10	10-23/24-23	0747-0820	50441	6L Summa Canister	<input checked="" type="checkbox"/>			001225 / 19513
MS-06	10-23/24-23	0803-0843	50442	6L Summa Canister	<input checked="" type="checkbox"/>			001196 / 19505
MS-11	10-23/24-23	0835-0909	50443	6L Summa Canister	<input checked="" type="checkbox"/>			001456 / 19504
					<input checked="" type="checkbox"/>			001465 / 17595

Relinquished by: (Signature) Alberto Lopez Date: 10/24/23 Time: 1037 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: 10/24/23 Time: 1037

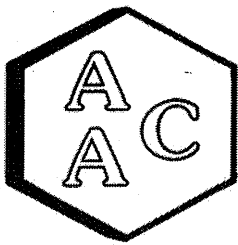
Sample Disposal Method:                      Disposed of by: (Signature)                      Date:                      Time:                     

Sample Collector                      Analytical Laboratory AA C Ventura



**RIES Environmental Inc.**  
 865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

7c car + 7c coast Entrel



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232185  
REPORT DATE : 10/27/2023

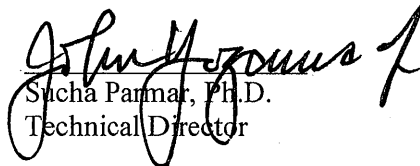
On October 24<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232185-50437	495.2
MS-12	232185-50438	637.1
MS-08	232185-50439	756.7
MS-09	232185-50440	661.9
MS-10	232185-50441	688.6
MS-06	232185-50442	571.1
MS-11	232185-50443	720.2

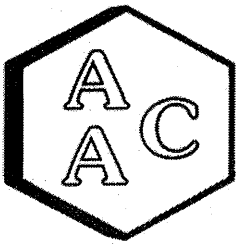
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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 Panmar, Ph.D.  
Technical Director

This report consists of 6 pages.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers  
 PROJECT NO. : 232185  
 MATRIX : AIR  
 UNITS : ppmv

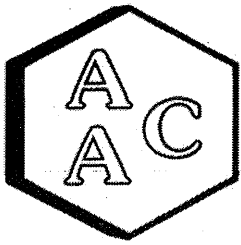
SAMPLING DATE : 10/23-24/2023  
 RECEIVING DATE : 10/24/2023  
 ANALYSIS DATE : 10/25/2023  
 REPORT DATE : 10/27/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	232185-50437	232185-50438	232185-50439	232185-50440
Canister Dil. Fac.	2.06	1.60	1.35	1.55
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.021	< 0.016	< 0.014	< 0.016
COS / SO2	< 0.021	< 0.016	< 0.014	< 0.016
Methyl Mercaptan	< 0.021	< 0.016	< 0.014	< 0.016
Ethyl Mercaptan	< 0.021	< 0.016	< 0.014	< 0.016
Dimethyl Sulfide	< 0.021	< 0.016	< 0.014	< 0.016
Carbon Disulfide	< 0.021	< 0.016	< 0.014	< 0.016
Isopropyl Mercaptan	< 0.021	< 0.016	< 0.014	< 0.016
tert-Butyl Mercaptan	< 0.021	< 0.016	< 0.014	< 0.016
n-Propyl Mercaptan	< 0.021	< 0.016	< 0.014	< 0.016
Methylethylsulfide	< 0.021	< 0.016	< 0.014	< 0.016
sec-Butyl Mercaptan / Thiophene	< 0.021	< 0.016	< 0.014	< 0.016
iso-Butyl Mercaptan	< 0.021	< 0.016	< 0.014	< 0.016
Diethyl Sulfide	< 0.021	< 0.016	< 0.014	< 0.016
n-Butyl Mercaptan	< 0.021	< 0.016	< 0.014	< 0.016
Dimethyl Disulfide	< 0.021	< 0.016	< 0.014	< 0.016
2-Methylthiophene	< 0.021	< 0.016	< 0.014	< 0.016
3-Methylthiophene	< 0.021	< 0.016	< 0.014	< 0.016
Tetrahydrothiophene	< 0.021	< 0.016	< 0.014	< 0.016
Bromothiophene	< 0.021	< 0.016	< 0.014	< 0.016
Thiophenol	< 0.021	< 0.016	< 0.014	< 0.016
Diethyl Disulfide	< 0.021	< 0.016	< 0.014	< 0.016
Total Unidentified Sulfur	< 0.021	< 0.016	<b>0.130</b>	< 0.016
Total Reduced Sulfurs	< 0.021	< 0.016	<b>0.130</b>	< 0.016

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.





# Atmospheric Analysis & Consulting, Inc.

---

## LABORATORY ANALYSIS REPORT

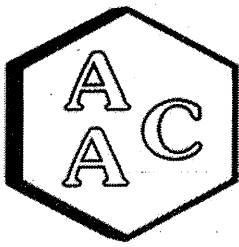
CLIENT : SCS Engineers  
 PROJECT NO. : 23218  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 10/23-24/2023  
 RECEIVING DATE : 10/24/2023  
 ANALYSIS DATE : 10/26/2023  
 REPORT DATE : 10/27/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	232185-50441	232185-50442	232185-50443
Canister Dil. Fac.	1.49	1.79	1.42
<b>Analyte</b>	<b>Result</b>	<b>Result</b>	<b>Result</b>
Hydrogen Sulfide	< 0.015	< 0.018	< 0.014
COS / SO <sub>2</sub>	< 0.015	< 0.018	< 0.014
Methyl Mercaptan	< 0.015	< 0.018	< 0.014
Ethyl Mercaptan	< 0.015	< 0.018	< 0.014
Dimethyl Sulfide	< 0.015	< 0.018	< 0.014
Carbon Disulfide	< 0.015	< 0.018	< 0.014
Isopropyl Mercaptan	< 0.015	< 0.018	< 0.014
tert-Butyl Mercaptan	< 0.015	< 0.018	< 0.014
n-Propyl Mercaptan	< 0.015	< 0.018	< 0.014
Methylethylsulfide	< 0.015	< 0.018	< 0.014
sec-Butyl Mercaptan / Thiophene	< 0.015	< 0.018	< 0.014
iso-Butyl Mercaptan	< 0.015	< 0.018	< 0.014
Diethyl Sulfide	< 0.015	< 0.018	< 0.014
n-Butyl Mercaptan	< 0.015	< 0.018	< 0.014
Dimethyl Disulfide	< 0.015	< 0.018	< 0.014
2-Methylthiophene	< 0.015	< 0.018	< 0.014
3-Methylthiophene	< 0.015	< 0.018	< 0.014
Tetrahydrothiophene	< 0.015	< 0.018	< 0.014
Bromothiophene	< 0.015	< 0.018	< 0.014
Thiophenol	< 0.015	< 0.018	< 0.014
Diethyl Disulfide	< 0.015	< 0.018	< 0.014
Total Unidentified Sulfur	< 0.015	< 0.018	< 0.014
Total Reduced Sulfurs	< 0.015	< 0.018	< 0.014

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report ASTM D-5504

Date Analyzed: 10/25/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SS1289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1852	502	100.5	0.4
Duplicate	1833	497	99.5	0.6
Triplicate	1849	502	100.4	0.2

547.5 ppbV H<sub>2</sub>S (SS1289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2375	551	100.6	1.5
Duplicate	2329	540	98.6	0.5
Triplicate	2316	537	98.1	1.0

479.0 ppbV H<sub>2</sub>S (SS1289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2579	488	101.8	1.8
Duplicate	2653	502	104.7	1.0
Triplicate	2648	501	104.5	0.8

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	270.0	268.4	108.1	107.4	0.6
MeSH	<PQL	273.8	298.5	292.6	109.1	106.9	2.0
DMS	<PQL	239.5	258.4	260.3	107.9	108.7	0.7

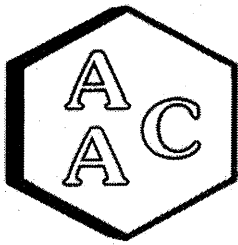
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	483.3	96.7
MeSH	547.5	548.3	100.1
DMS	479.0	463.8	96.8

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/26/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1849	502	100.4	0.5
Duplicate	1863	505	101.1	1.2
Triplicate	1810	491	98.3	1.7

*547.5 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2381	552	100.9	1.3
Duplicate	2306	535	97.7	1.9
Triplicate	2367	549	100.3	0.7

*479.0 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2478	468	97.8	0.4
Duplicate	2487	470	98.2	0.8
Triplicate	2436	461	96.1	1.3

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	244.3	261.2	97.8	104.5	6.7
MeSH	<PQL	273.8	296.2	285.2	108.2	104.2	3.8
DMS	<PQL	239.5	256.9	259.4	107.2	108.3	1.0

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	498.0	99.7
MeSH	547.5	557.9	101.9
DMS	479.0	478.8	100.0

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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

CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers /

Project Location

Valencia, CA

ANALYSES

Chiquita Canyon Landfill Air/ator Sampling

Project No.

232185

Field Logbook No.

Sampler: (Print)

Alberto Lopez

(Signature)

*Alberto Lopez*

No. Of Containers

7

007.91 Sulfur  
TO-15 Full List

Canister / Controller

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	10-23/24-23	0710 - 0717	50437	6L Summa Canister	<i>[Signature]</i>	10/24/23	1037	000917 / 19512
MS-12	10-23/24-23	0720 - 0731	50438	6L Summa Canister	<i>[Signature]</i>			000780 / 19511
MS-08	10-23/24-23	0728 - 0742	50439	6L Summa Canister	<i>[Signature]</i>			000830 / 05259
MS-09	10-23/24-23	0737 - 0758	50440	6L Summa Canister	<i>[Signature]</i>			001225 / 19513
MS-10	10-23/24-23	0747 - 0820	50441	6L Summa Canister	<i>[Signature]</i>			001190 / 19505
MS-06	10-23/24-23	0803 - 0843	50442	6L Summa Canister	<i>[Signature]</i>			001450 / 19504
MS-11	10-23/24-23	0835 - 0909	50443	6L Summa Canister	<i>[Signature]</i>			001405 / 17595

Relinquished by: (Signature)

*[Signature]*

Relinquished by: (Signature)

Relinquished by: (Signature)

Sample Disposal Method:

Disposed of by: (Signature)

*[Signature]*

Sample Collector

Analytical Laboratory

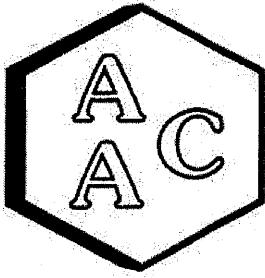


RTE Environmental Inc.

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

AAC Ventura

72 cart 72 carted 6m x 6m



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232294  
REPORT DATE : 11/09/2023

On November 7, 2023, 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	232294-50953	440.5
MS-12	232294-50954	382.5
MS-08	232294-50955	478.1
MS-09	232294-50956	321.7
MS-10	232294-50957	342.5
MS-06	232294-50958	203.8
MS-11	232294-50959	190.8

**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.aacalab.com](http://www.aacalab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples.

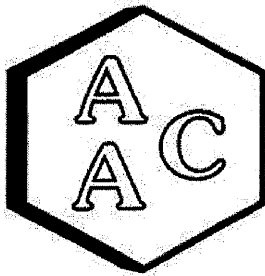
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar Ph.D.  
Technical Director

This report consists of 14 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

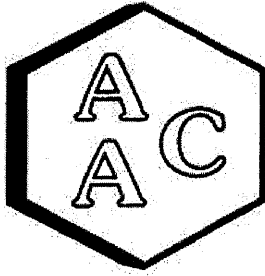
CLIENT : SCS Engineers  
 PROJECT NO : 232294  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/09/2023  
 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		232294-50953				232294-50954				
Date Sampled		11/06/2023				11/06/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		2.32			2.68					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Propene	<SRL	U	1	2.32	<SRL	U	1	2.68	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Chloromethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Vinyl Chloride	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Methanol	<SRL	U	1	11.6	130		1	13.4	5.00	
1,3-Butadiene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Bromomethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Chloroethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Dichlorofluoromethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Ethanol	9.53		1	4.65	39.2		1	5.36	2.00	
Vinyl Bromide	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Acetone	5.53		1	4.65	8.95		1	5.36	2.00	
Trichlorofluoromethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
2-Propanol (IPA)	<SRL	U	1	4.65	<SRL	U	1	5.36	2.00	
Acrylonitrile	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,1-Dichloroethene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.32	<SRL	U	1	2.68	1.00	
Allyl Chloride	<SRL	U	1	2.32	<SRL	U	1	2.68	1.00	
Carbon Disulfide	<SRL	U	1	4.65	<SRL	U	1	5.36	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,1-Dichloroethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Vinyl Acetate	<SRL	U	1	2.32	<SRL	U	1	2.68	1.00	
2-Butanone (MEK)	<SRL	U	1	2.32	3.32		1	2.68	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Hexane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Chloroform	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Ethyl Acetate	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Tetrahydrofuran	<SRL	U	1	1.16	1.61		1	1.34	0.50	
1,2-Dichloroethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Benzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232294  
 MATRIX : AIR  
 UNITS : PPB (v/v)

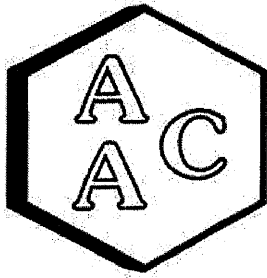
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/09/2023  
 ANALYST : DL/CH

### 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		232294-50953				232294-50954				
Date Sampled		11/06/2023				11/06/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		2.32			2.68					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Cyclohexane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,2-Dichloropropane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Bromodichloromethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,4-Dioxane	<SRL	U	1	2.32	<SRL	U	1	2.68	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Heptane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Toluene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.32	<SRL	U	1	2.68	1.00	
Dibromochloromethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,2-Dibromoethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Chlorobenzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Ethylbenzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
m & p-Xylene	<SRL	U	1	2.32	<SRL	U	1	2.68	1.00	
Bromoform	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Styrene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
o-Xylene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
4-Ethyltoluene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
Hexachlorobutadiene	<SRL	U	1	1.16	<SRL	U	1	1.34	0.50	
BFB-Surrogate Std. % Recovery		98%				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 : 232294  
 MATRIX : AIR  
 UNITS : PPB (v/v)

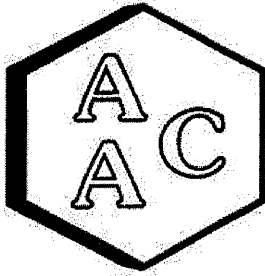
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/09/2023  
 ANALYST : DL/CH

### 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		232294-50955				232294-50956				
Date Sampled		11/06/2023				11/06/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		2.13			3.20					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Propene	<SRL	U	1	2.13	<SRL	U	1	3.20	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Chloromethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Vinyl Chloride	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Methanol	<SRL	U	1	10.7	<SRL	U	1	16.0	5.00	
1,3-Butadiene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Bromomethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Chloroethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Dichlorofluoromethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Ethanol	7.66		1	4.27	8.74		1	6.41	2.00	
Vinyl Bromide	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Acetone	41.1		1	4.27	9.64		1	6.41	2.00	
Trichlorofluoromethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
2-Propanol (IPA)	<SRL	U	1	4.27	<SRL	U	1	6.41	2.00	
Acrylonitrile	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,1-Dichloroethene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.13	<SRL	U	1	3.20	1.00	
Allyl Chloride	<SRL	U	1	2.13	<SRL	U	1	3.20	1.00	
Carbon Disulfide	<SRL	U	1	4.27	<SRL	U	1	6.41	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,1-Dichloroethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Vinyl Acetate	<SRL	U	1	2.13	<SRL	U	1	3.20	1.00	
2-Butanone (MEK)	<SRL	U	1	2.13	<SRL	U	1	3.20	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Hexane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Chloroform	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Ethyl Acetate	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Tetrahydrofuran	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,2-Dichloroethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Benzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232294  
 MATRIX : AIR  
 UNITS : PPB (v/v)

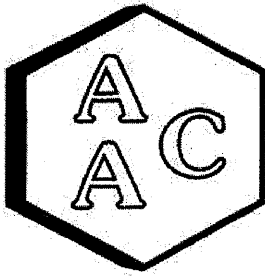
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/09/2023  
 ANALYST : DL/CH

### 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		232294-50955				232294-50956				
Date Sampled		11/06/2023				11/06/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		2.13			3.20					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Cyclohexane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,2-Dichloropropane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Bromodichloromethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,4-Dioxane	<SRL	U	1	2.13	<SRL	U	1	3.20	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Heptane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Toluene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.13	<SRL	U	1	3.20	1.00	
Dibromochloromethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,2-Dibromoethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Chlorobenzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Ethylbenzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
m & p-Xylene	<SRL	U	1	2.13	<SRL	U	1	3.20	1.00	
Bromoform	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Styrene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
o-Xylene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
4-Ethyltoluene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
Hexachlorobutadiene	<SRL	U	1	1.07	<SRL	U	1	1.60	0.50	
BFB-Surrogate Std. % Recovery			97%				97%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

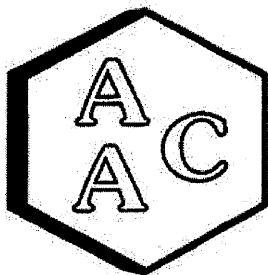
CLIENT : SCS Engineers  
 PROJECT NO : 232294  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/09/2023  
 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		232294-50957				232294-50958				
Date Sampled		11/06/2023				11/06/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		2.99			5.14					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Propene	<SRL	U	1	2.99	<SRL	U	1	5.14	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Chloromethane	<SRL	U	1	1.50	8.37	U	1	2.57	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Vinyl Chloride	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Methanol	15.3	U	1	15.0	<SRL	U	1	25.7	5.00	
1,3-Butadiene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Bromomethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Chloroethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Dichlorofluoromethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Ethanol	13.9	U	1	5.99	12.9	U	1	10.3	2.00	
Vinyl Bromide	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Acetone	9.34	U	1	5.99	23.3	U	1	10.3	2.00	
Trichlorofluoromethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
2-Propanol (IPA)	<SRL	U	1	5.99	<SRL	U	1	10.3	2.00	
Acrylonitrile	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,1-Dichloroethene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.99	<SRL	U	1	5.14	1.00	
Allyl Chloride	<SRL	U	1	2.99	<SRL	U	1	5.14	1.00	
Carbon Disulfide	<SRL	U	1	5.99	<SRL	U	1	10.3	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,1-Dichloroethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Vinyl Acetate	<SRL	U	1	2.99	<SRL	U	1	5.14	1.00	
2-Butanone (MEK)	4.10	U	1	2.99	<SRL	U	1	5.14	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Hexane	4.13	U	1	1.50	<SRL	U	1	2.57	0.50	
Chloroform	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Ethyl Acetate	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Tetrahydrofuran	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,2-Dichloroethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Benzene	69.5	U	1	1.50	2.67	U	1	2.57	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232294  
 MATRIX : AIR  
 UNITS : PPB (v/v)

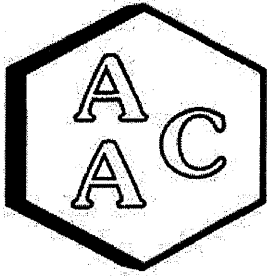
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/09/2023  
 ANALYST : DL/CH

### 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		232294-50957				232294-50958				
Date Sampled		11/06/2023				11/06/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		2.99			5.14					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Cyclohexane	2.04		1	1.50	<SRL	U	1	2.57	0.50	
1,2-Dichloropropane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Bromodichloromethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,4-Dioxane	<SRL	U	1	2.99	<SRL	U	1	5.14	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Heptane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Toluene	39.1		1	1.50	5.24		1	2.57	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.99	<SRL	U	1	5.14	1.00	
Dibromochloromethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,2-Dibromoethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Chlorobenzene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Ethylbenzene	1.95		1	1.50	<SRL	U	1	2.57	0.50	
m & p-Xylene	5.60		1	2.99	<SRL	U	1	5.14	1.00	
Bromoform	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Styrene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
o-Xylene	1.62		1	1.50	<SRL	U	1	2.57	0.50	
4-Ethyltoluene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
Hexachlorobutadiene	<SRL	U	1	1.50	<SRL	U	1	2.57	0.50	
BFB-Surrogate Std. % Recoverv			97%				98%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

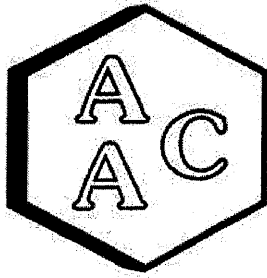
CLIENT : SCS Engineers  
 PROJECT NO : 232294  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/09/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232294-50959				
<i>Date Sampled</i>		11/06/2023				
<i>Date Analyzed</i>		11/08/2023				
<i>Can Dilution Factor</i>		5.42				
<i>Compound</i>	Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	2.71	0.50	
Propene	<SRL	U	1	5.42	1.00	
Dichlorodifluoromethane	<SRL	U	1	2.71	0.50	
Chloromethane	<SRL	U	1	2.71	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	2.71	0.50	
Vinyl Chloride	<SRL	U	1	2.71	0.50	
Methanol	147		1	27.1	5.00	
1,3-Butadiene	<SRL	U	1	2.71	0.50	
Bromomethane	<SRL	U	1	2.71	0.50	
Chloroethane	<SRL	U	1	2.71	0.50	
Dichlorofluoromethane	<SRL	U	1	2.71	0.50	
Ethanol	63.7		1	10.8	2.00	
Vinyl Bromide	<SRL	U	1	2.71	0.50	
Acetone	12.2		1	10.8	2.00	
Trichlorofluoromethane	<SRL	U	1	2.71	0.50	
2-Propanol (IPA)	<SRL	U	1	10.8	2.00	
Acrylonitrile	<SRL	U	1	2.71	0.50	
1,1-Dichloroethene	<SRL	U	1	2.71	0.50	
Methylene Chloride (DCM)	<SRL	U	1	5.42	1.00	
Allyl Chloride	<SRL	U	1	5.42	1.00	
Carbon Disulfide	<SRL	U	1	10.8	2.00	
Trichlorotrifluoroethane	<SRL	U	1	2.71	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	2.71	0.50	
1,1-Dichloroethane	<SRL	U	1	2.71	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	2.71	0.50	
Vinyl Acetate	<SRL	U	1	5.42	1.00	
2-Butanone (MEK)	<SRL	U	1	5.42	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	2.71	0.50	
Hexane	<SRL	U	1	2.71	0.50	
Chloroform	<SRL	U	1	2.71	0.50	
Ethyl Acetate	<SRL	U	1	2.71	0.50	
Tetrahydrofuran	<SRL	U	1	2.71	0.50	
1,2-Dichloroethane	<SRL	U	1	2.71	0.50	
1,1,1-Trichloroethane	<SRL	U	1	2.71	0.50	
Benzene	<SRL	U	1	2.71	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232294  
 MATRIX : AIR  
 UNITS : PPB (v/v)

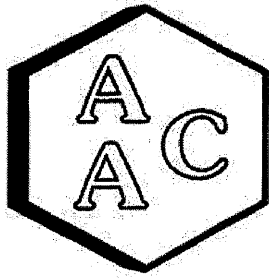
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/09/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>	232294-50959				
<i>Date Sampled</i>	11/06/2023				
<i>Date Analyzed</i>	11/08/2023				
<i>Can Dilution Factor</i>	5.42				
<i>Compound</i>	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	2.71	0.50
Cyclohexane	<SRL	U	1	2.71	0.50
1,2-Dichloropropane	<SRL	U	1	2.71	0.50
Bromodichloromethane	<SRL	U	1	2.71	0.50
1,4-Dioxane	<SRL	U	1	5.42	1.00
Trichloroethene (TCE)	<SRL	U	1	2.71	0.50
2,2,4-Trimethylpentane	<SRL	U	1	2.71	0.50
Heptane	<SRL	U	1	2.71	0.50
cis-1,3-Dichloropropene	<SRL	U	1	2.71	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.71	0.50
trans-1,3-Dichloropropene	<SRL	U	1	2.71	0.50
1,1,2-Trichloroethane	<SRL	U	1	2.71	0.50
Toluene	<SRL	U	1	2.71	0.50
2-Hexanone (MBK)	<SRL	U	1	5.42	1.00
Dibromochloromethane	<SRL	U	1	2.71	0.50
1,2-Dibromoethane	<SRL	U	1	2.71	0.50
Tetrachloroethene (PCE)	<SRL	U	1	2.71	0.50
Chlorobenzene	<SRL	U	1	2.71	0.50
Ethylbenzene	<SRL	U	1	2.71	0.50
nd	<SRL	U	1	5.42	1.00
Bromoform	<SRL	U	1	2.71	0.50
Styrene	<SRL	U	1	2.71	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	2.71	0.50
o-Xylene	<SRL	U	1	2.71	0.50
4-Ethyltoluene	<SRL	U	1	2.71	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	2.71	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	2.71	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	2.71	0.50
1,3-Dichlorobenzene	<SRL	U	1	2.71	0.50
1,4-Dichlorobenzene	<SRL	U	1	2.71	0.50
1,2-Dichlorobenzene	<SRL	U	1	2.71	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	2.71	0.50
Hexachlorobutadiene	<SRL	U	1	2.71	0.50
BFB-Surrogate Std. % Recovery			97%		70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/08/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MS1-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.63	102
Chlorodifluoromethane	10.40	13.00	125
Propene	10.60	12.27	116
Dichlorodifluoromethane	10.40	12.27	118
Dimethyl Ether	10.20	11.67	114
Chloromethane	10.40	12.06	116
Dichlorotetrafluoroethane	10.30	10.48	102
Vinyl Chloride	10.50	12.43	118
Acetaldehyde	21.10	22.72	108
Methanol	18.80	17.06	91
1,3-Butadiene	10.60	12.75	120
Bromomethane	10.40	10.06	97
Chloroethane	10.30	10.98	107
Dichlorofluoromethane	10.20	11.41	112
Ethanol	11.20	11.67	104
Vinyl Bromide	10.10	10.13	100
Acrolein	11.10	13.05	118
Acetone	10.60	10.82	102
Trichlorofluoromethane	10.50	11.49	109
2-Propanol (IPA)	11.00	13.11	119
Acrylonitrile	11.20	13.66	122
1,1-Dichloroethene	10.40	10.42	100
Methylene Chloride (DCM)	10.50	9.94	95
TertButanol (TBA)	11.10	13.73	124
Allyl Chloride	10.20	11.64	114
Carbon Disulfide	10.50	11.11	106
Trichlorotrifluoroethane	10.40	10.52	101
trans-1,2-Dichloroethene	10.60	11.35	107
1,1-Dichloroethane	10.50	12.11	115
Methyl Tert Butyl Ether (MTBE)	10.50	11.81	112
Vinyl Acetate	11.00	12.69	115
2-Butanone (MEK)	10.60	10.94	103
cis-1,2-Dichloroethene	10.50	11.21	107
Hexane	10.70	11.54	108
Chloroform	10.60	11.83	112
Ethyl Acetate	10.60	13.36	126
Tetrahydrofuran	10.20	11.08	109
1,2-Dichloroethane	10.50	12.86	122
1,1,1-Trichloroethane	10.40	12.04	116
Benzene	10.60	11.21	106
Carbon Tetrachloride	10.20	12.46	122
Cyclohexane	10.50	10.39	99

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	11.90	113
Bromodichloromethane	10.40	12.30	118
1,4-Dioxane	10.40	10.73	103
Trichloroethene (TCE)	10.40	10.55	101
2,2,4-Trimethylpentane	10.00	11.66	117
Methyl Methacrylate	11.00	12.67	115
Heptane	10.50	11.05	105
cis-1,3-Dichloropropene	10.40	12.04	116
4-Methyl-2-pentanone (MIBK)	10.40	12.36	119
trans-1,3-Dichloropropene	10.50	12.35	118
1,1,2-Trichloroethane	10.50	10.93	104
Toluene	10.60	11.03	104
2-Hexanone (MBK)	10.50	12.74	121
Dibromochloromethane	10.30	12.12	118
1,2-Dibromoethane	10.60	11.06	104
Tetrachloroethene (PCE)	10.40	10.86	104
Chlorobenzene	10.60	10.32	97
Ethylbenzene	10.50	11.27	107
m & p-Xylene	21.00	22.25	106
Bromoform	10.50	12.81	122
Styrene	10.50	11.38	108
1,1,2,2-Tetrachloroethane	10.50	11.06	105
o-Xylene	10.50	11.09	106
1,2,3-Trichloropropane	11.00	11.93	108
Isopropylbenzene (Cumene)	10.30	10.62	103
α-Pinene	10.70	11.67	109
2-Chlorotoluene	10.30	10.65	103
n-Propylbenzene	10.10	10.53	104
4-Ethyltoluene	10.30	10.66	103
1,3,5-Trimethylbenzene	10.30	11.01	107
β-Pinene	11.00	4.47	41
1,2,4-Trimethylbenzene	10.30	10.76	104
Benzyl Chloride (a-Chlorotoluene)	10.40	9.70	93
1,3-Dichlorobenzene	10.40	10.85	104
1,4-Dichlorobenzene	10.30	10.59	103
Sec-ButylBenzene	10.10	10.63	105
1,2-Dichlorobenzene	10.60	10.70	101
n-ButylBenzene	10.20	10.81	106
1,2-Dibromo-3-Chloropropane	10.10	10.90	108
1,2,4-Trichlorobenzene	11.00	12.07	110
Naphthalene	11.50	11.46	100
Hexachlorobutadiene	11.00	12.00	109

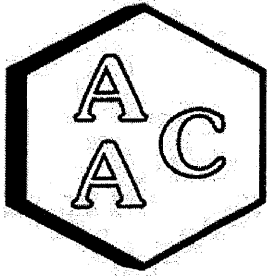
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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 : 11/08/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

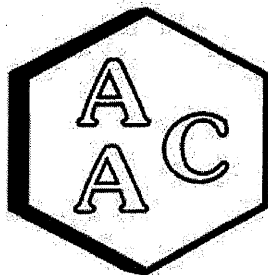
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.63	9.83	102	105	2.1
1,1-Dichloroethene	0.0	10.40	10.42	10.54	100	101	1.1
Methylene Chloride (DCM)	0.0	10.50	9.94	9.89	95	94	0.5
Benzene	0.0	10.60	11.21	11.11	106	105	0.9
Trichloroethene (TCE)	0.0	10.40	10.55	10.42	101	100	1.2
Toluene	0.0	10.60	11.03	10.88	104	103	1.4
Tetrachloroethene (PCE)	0.0	10.40	10.86	10.81	104	104	0.5
Chlorobenzene	0.0	10.60	10.32	10.31	97	97	0.1
Ethylbenzene	0.0	10.50	11.27	11.19	107	107	0.7
m & p-Xylene	0.0	21.00	22.25	21.94	106	104	1.4
o-Xylene	0.0	10.50	11.09	11.00	106	105	0.8

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 11/08/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL

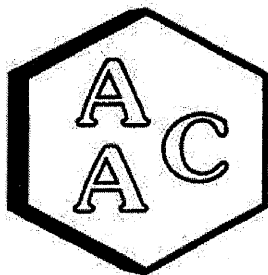
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 110823	Reporting Limit (RL)
4-BFB (surrogate standard)	99%	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	1.0
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 110823	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 : 11/08/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x2.32

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232294-50953

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.18	9.05	1.4
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	<SRL	NA
Methanol	J 9.04	7.69	16.1
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	9.53	10.2	6.8
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	5.53	6.07	9.2
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	J 2.28	2.56	11.5
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	<SRL	<SRL	NA
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	<SRL	<SRL	NA
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> 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.



Client/Project Name **SCS Engineers / Chiquita Canyon Landfill Air/odor Sampling**

Project Location **Valencia, CA**

**ANALYSES**

Project No. \_\_\_\_\_ Field Logbook No. \_\_\_\_\_

Sampler: (Print) **Alberto Lopez** (Signature) *Alberto Lopez* No. Of Containers **7**

307.91 Sulfur  
TO-15 Full List

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks Canister Controller
MS-07	11-6/7-23	0700-0735	50953	6L Summa Canister	<i>[Signature]</i>	11/07	19513	
MS-12	11-6/7-23	0708-0751	50954	6L Summa Canister	<i>[Signature]</i>	001240	19594	
MS-08	11-6/7-23	0714-0759	50955	6L Summa Canister	<i>[Signature]</i>	001524	19597	
MS-09	11-6/7-23	0724-0810	50956	6L Summa Canister	<i>[Signature]</i>	000939	19505	
MS-10	11-6/7-23	0734-0824	50957	6L Summa Canister	<i>[Signature]</i>	001148	19511	
MS-06	11-6/7-23	0748-0842	50958	6L Summa Canister	<i>[Signature]</i>	000958	19593	
MS-11	11-6/7-23	0817-0906	50959	6L Summa Canister	<i>[Signature]</i>	001228	19596	

Relinquished by: (Signature) *[Signature]* Date **11/07/23** Time **1024** Received by: (Signature) \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

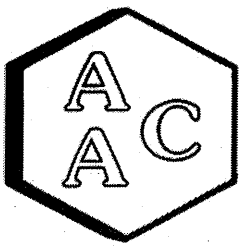
Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received for Laboratory: (Signature) *[Signature]* Date **11/7/23** Time **1024**

Sample Disposal Method: \_\_\_\_\_ Disposed of by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Sample Collector \_\_\_\_\_ Analytical Laboratory **AA C Ventura**



26 was + 26 covered 6-11-23



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232294  
REPORT DATE : 11/08/2023

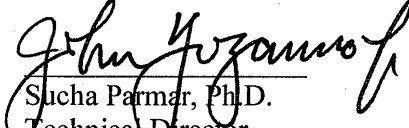
On November 7<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232294-50953	440.5
MS-12	232294-50954	382.5
MS-08	232294-50955	478.1
MS-09	232294-50956	321.7
MS-10	232294-50957	342.5
MS-06	232294-50958	203.8
MS-11	232294-50959	190.8

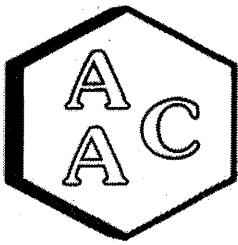
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 5 pages.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

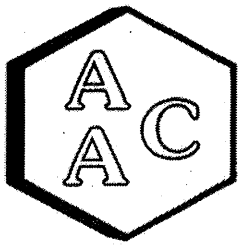
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232294  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 11/06-07/2023  
**RECEIVING DATE :** 11/07/2023  
**ANALYSIS DATE :** 11/07/2023  
**REPORT DATE :** 11/08/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	232294-50953	232294-50954	232294-50955	232294-50956
Canister Dil. Fac.	2.32	2.68	2.13	3.20
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.023	< 0.027	< 0.021	< 0.032
COS / SO2	< 0.023	< 0.027	< 0.021	< 0.032
Methyl Mercaptan	< 0.023	< 0.027	< 0.021	< 0.032
Ethyl Mercaptan	< 0.023	< 0.027	< 0.021	< 0.032
Dimethyl Sulfide	< 0.023	< 0.027	< 0.021	< 0.032
Carbon Disulfide	< 0.023	< 0.027	< 0.021	< 0.032
Isopropyl Mercaptan	< 0.023	< 0.027	< 0.021	< 0.032
tert-Butyl Mercaptan	< 0.023	< 0.027	< 0.021	< 0.032
n-Propyl Mercaptan	< 0.023	< 0.027	< 0.021	< 0.032
Methylethylsulfide	< 0.023	< 0.027	< 0.021	< 0.032
sec-Butyl Mercaptan / Thiophene	< 0.023	< 0.027	< 0.021	< 0.032
iso-Butyl Mercaptan	< 0.023	< 0.027	< 0.021	< 0.032
Diethyl Sulfide	< 0.023	< 0.027	< 0.021	< 0.032
n-Butyl Mercaptan	< 0.023	< 0.027	< 0.021	< 0.032
Dimethyl Disulfide	< 0.023	< 0.027	< 0.021	< 0.032
2-Methylthiophene	< 0.023	< 0.027	< 0.021	< 0.032
3-Methylthiophene	< 0.023	< 0.027	< 0.021	< 0.032
Tetrahydrothiophene	< 0.023	< 0.027	< 0.021	< 0.032
Bromothiophene	< 0.023	< 0.027	< 0.021	< 0.032
Thiophenol	< 0.023	< 0.027	< 0.021	< 0.032
Diethyl Disulfide	< 0.023	< 0.027	< 0.021	< 0.032
Total Unidentified Sulfur	< 0.023	< 0.027	< 0.021	< 0.032
Total Reduced Sulfurs	< 0.023	< 0.027	< 0.021	< 0.032

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

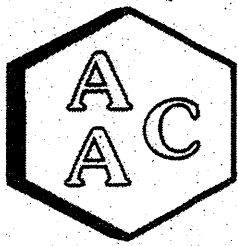
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232294  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 11/06-07/2023  
**RECEIVING DATE :** 11/07/2023  
**ANALYSIS DATE :** 11/07/2023  
**REPORT DATE :** 11/08/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	232294-50957	232294-50958	232294-50959
Canister Dil. Fac.	2.99	5.14	5.42
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.030	< 0.051	< 0.054
COS / SO2	< 0.030	< 0.051	< 0.054
Methyl Mercaptan	< 0.030	< 0.051	< 0.054
Ethyl Mercaptan	< 0.030	< 0.051	< 0.054
Dimethyl Sulfide	< 0.030	< 0.051	< 0.054
Carbon Disulfide	< 0.030	< 0.051	< 0.054
Isopropyl Mercaptan	< 0.030	< 0.051	< 0.054
tert-Butyl Mercaptan	< 0.030	< 0.051	< 0.054
n-Propyl Mercaptan	< 0.030	< 0.051	< 0.054
Methylethylsulfide	< 0.030	< 0.051	< 0.054
sec-Butyl Mercaptan / Thiophene	< 0.030	< 0.051	< 0.054
iso-Butyl Mercaptan	< 0.030	< 0.051	< 0.054
Diethyl Sulfide	< 0.030	< 0.051	< 0.054
n-Butyl Mercaptan	< 0.030	< 0.051	< 0.054
Dimethyl Disulfide	< 0.030	< 0.051	< 0.054
2-Methylthiophene	< 0.030	< 0.051	< 0.054
3-Methylthiophene	< 0.030	< 0.051	< 0.054
Tetrahydrothiophene	< 0.030	< 0.051	< 0.054
Bromothiophene	< 0.030	< 0.051	< 0.054
Thiophenol	< 0.030	< 0.051	< 0.054
Diethyl Disulfide	< 0.030	< 0.051	< 0.054
Total Unidentified Sulfur	< 0.030	< 0.051	< 0.054
Total Reduced Sulfurs	< 0.030	< 0.051	< 0.054

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/7/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SS1289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1883	511	102.2	1.3
Duplicate	1802	489	97.8	3.0
Triplicate	1889	512	102.5	1.7

547.5 ppbV MeSH (SS1289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2272	527	96.2	0.8
Duplicate	2311	536	97.9	0.9
Triplicate	2286	530	96.8	0.2

479.0 ppbV DMS (SS1289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2613	494	103.1	2.9
Duplicate	2424	458	95.7	4.6
Triplicate	2582	488	101.9	1.7

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	246.0	231.4	98.4	92.6	6.1
MeSH	<PQL	273.8	272.3	277.3	99.5	101.3	1.8
DMS	<PQL	239.5	257.5	243.1	107.5	101.5	5.8

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	511.0	102.2
MeSH	547.5	557.2	101.8
DMS	479.0	489.9	102.3

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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

CHAIN OF CUSTODY RECORD

Client/Project Name *SCS Engineers / Chiseta Canyon Landfill Air/Soil Sampling*

Project Location *Valencia, CA*

ANALYSES

Project No. \_\_\_\_\_ Field Logbook No. \_\_\_\_\_

Sampler: (Print) *Alberto Lopez* (Signature) *[Signature]* No. Of Containers *7*

*307.91 Sulfur  
TO-15 Full List*

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	11-6/7-23	0700-0735	50953	6L Summa Canister	[Signature]	11/07/23	1024	Canister Controller
MS-12	11-6/7-23	0708-0751	50954	6L Summa Canister	[Signature]	11/07/23	1024	
MS-08	11-6/7-23	0714-0759	50955	6L Summa Canister	[Signature]	11/07/23	1024	
MS-09	11-6/7-23	0724-0810	50956	6L Summa Canister	[Signature]	11/07/23	1024	
MS-10	11-6/7-23	0734-0824	50957	6L Summa Canister	[Signature]	11/07/23	1024	
MS-06	11-6/7-23	0748-0842	50958	6L Summa Canister	[Signature]	11/07/23	1024	
MS-11	11-6/7-23	0817-0906	50959	6L Summa Canister	[Signature]	11/07/23	1024	

Relinquished by: (Signature) *[Signature]* Date *11/07/23* Time *1024* Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Sample Disposal Method: \_\_\_\_\_ Disposed of by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

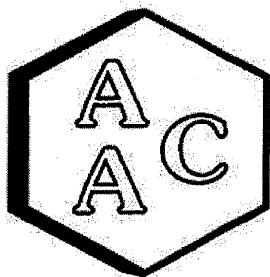
Sample Collector \_\_\_\_\_ Analytical Laboratory \_\_\_\_\_



865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

*AA C Ventura*

*26 cur + 26 cond 5-11-23*



## Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232354  
REPORT DATE : 11/16/2023

On November 14, 2023, 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:

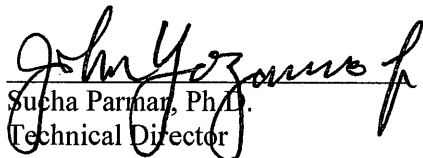
Client ID	Lab ID	Return Pressure (mmHga)
MS-07	232354-51188	506.4
MS-12	232354-51189	525.3
MS-08	232354-51190	614.5
MS-09	232354-51191	500.1
MS-10	232354-51192	544.8
MS-06	232354-51193	625.9
MS-11	232354-51194	417.2

**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](http://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.

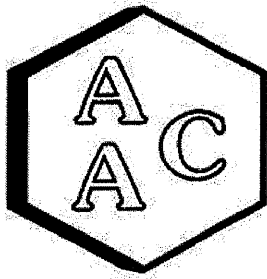
  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 11 pages.

Page 1







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

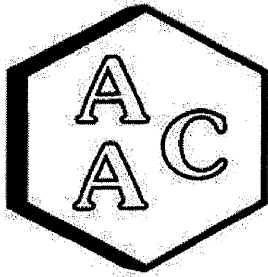
CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	Date Sampled	Date Analyzed		232354-51188	11/13/2023	11/14/2023		
Can Dilution Factor	2.04			(MRLxDF's)	1.95			(MRLxDF's)	
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Propene	<SRL	U	1	2.04	<SRL	U	1	1.95	1.00
Dichlorodifluoromethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Chloromethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Vinyl Chloride	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Methanol	<SRL	U	1	10.2	<SRL	U	1	9.77	5.00
1,3-Butadiene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Bromomethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Chloroethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Dichlorofluoromethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Ethanol	6.97		1	4.08	6.57		1	3.91	2.00
Vinyl Bromide	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Acetone	5.85		1	4.08	5.83		1	3.91	2.00
Trichlorofluoromethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
2-Propanol (IPA)	<SRL	U	1	4.08	<SRL	U	1	3.91	2.00
Acrylonitrile	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
1,1-Dichloroethene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.04	<SRL	U	1	1.95	1.00
Allyl Chloride	<SRL	U	1	2.04	<SRL	U	1	1.95	1.00
Carbon Disulfide	<SRL	U	1	4.08	<SRL	U	1	3.91	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
1,1-Dichloroethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Vinyl Acetate	<SRL	U	1	2.04	<SRL	U	1	1.95	1.00
2-Butanone (MEK)	<SRL	U	1	2.04	<SRL	U	1	1.95	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Hexane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Chloroform	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Ethyl Acetate	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Tetrahydrofuran	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
1,2-Dichloroethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50
Benzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

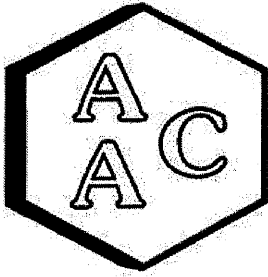
DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### 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		232354-51188				232354-51189				
Date Sampled		11/13/2023				11/13/2023				
Date Analyzed		11/14/2023				11/14/2023				
Can Dilution Factor		2.04			1.95					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Cyclohexane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,2-Dichloropropane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Bromodichloromethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,4-Dioxane	<SRL	U	1	2.04	<SRL	U	1	1.95	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Heptane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Toluene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.04	<SRL	U	1	1.95	1.00	
Dibromochloromethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,2-Dibromoethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Chlorobenzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Ethylbenzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
m & p-Xylene	<SRL	U	1	2.04	<SRL	U	1	1.95	1.00	
Bromoform	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Styrene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
o-Xylene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
4-Ethyltoluene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
Hexachlorobutadiene	<SRL	U	1	1.02	<SRL	U	1	0.98	0.50	
BFB-Surrogate Std. % Recovery		99%				98%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

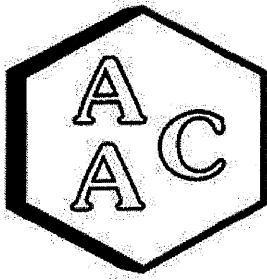
CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 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		232354-51190				232354-51191				
Date Sampled		11/13/2023				11/13/2023				
Date Analyzed		11/14/2023				11/14/2023				
Can Dilution Factor		1.67			2.06					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Propene	<SRL	U	1	1.67	<SRL	U	1	2.06	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Chloromethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Vinyl Chloride	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Methanol	<SRL	U	1	8.37	<SRL	U	1	10.3	5.00	
1,3-Butadiene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Bromomethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Chloroethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Dichlorofluoromethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Ethanol	3.89		1	3.35	<SRL	U	1	4.12	2.00	
Vinyl Bromide	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Acetone	4.69		1	3.35	6.89		1	4.12	2.00	
Trichlorofluoromethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
2-Propanol (IPA)	<SRL	U	1	3.35	<SRL	U	1	4.12	2.00	
Acrylonitrile	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,1-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.67	<SRL	U	1	2.06	1.00	
Allyl Chloride	<SRL	U	1	1.67	<SRL	U	1	2.06	1.00	
Carbon Disulfide	<SRL	U	1	3.35	<SRL	U	1	4.12	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,1-Dichloroethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Vinyl Acetate	<SRL	U	1	1.67	<SRL	U	1	2.06	1.00	
2-Butanone (MEK)	<SRL	U	1	1.67	<SRL	U	1	2.06	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Hexane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Chloroform	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Ethyl Acetate	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Tetrahydrofuran	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,2-Dichloroethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Benzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

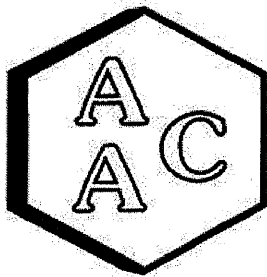
DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### 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		232354-51190				232354-51191				
Date Sampled		11/13/2023				11/13/2023				
Date Analyzed		11/14/2023				11/14/2023				
Can Dilution Factor		1.67			2.06					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Cyclohexane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,2-Dichloropropane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Bromodichloromethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,4-Dioxane	<SRL	U	1	1.67	<SRL	U	1	2.06	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Heptane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Toluene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.67	<SRL	U	1	2.06	1.00	
Dibromochloromethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,2-Dibromoethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Chlorobenzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Ethylbenzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
m & p-Xylene	<SRL	U	1	1.67	<SRL	U	1	2.06	1.00	
Bromoform	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Styrene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
o-Xylene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
4-Ethyltoluene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
Hexachlorobutadiene	<SRL	U	1	0.84	<SRL	U	1	1.03	0.50	
BFB-Surrogate Std. % Recovery			99%				100%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

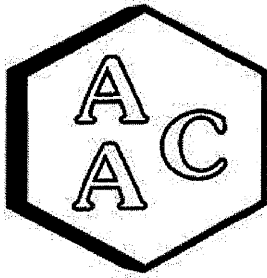
CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 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		232354-51192				232354-51193				
Date Sampled		11/13/2023				11/13/2023				
Date Analyzed		11/14/2023				11/14/2023				
Can Dilution Factor		1.91			1.64					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Propene	<SRL	U	1	1.91	<SRL	U	1	1.64	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Chloromethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Vinyl Chloride	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Methanol	<SRL	U	1	9.54	<SRL	U	1	8.22	5.00	
1,3-Butadiene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Bromomethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Chloroethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Dichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Ethanol	7.54	U	1	3.82	7.19	U	1	3.29	2.00	
Vinyl Bromide	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Acetone	12.4	U	1	3.82	8.96	U	1	3.29	2.00	
Trichlorofluoromethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
2-Propanol (IPA)	<SRL	U	1	3.82	<SRL	U	1	3.29	2.00	
Acrylonitrile	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,1-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.91	<SRL	U	1	1.64	1.00	
Allyl Chloride	<SRL	U	1	1.91	<SRL	U	1	1.64	1.00	
Carbon Disulfide	<SRL	U	1	3.82	<SRL	U	1	3.29	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,1-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Vinyl Acetate	<SRL	U	1	1.91	<SRL	U	1	1.64	1.00	
2-Butanone (MEK)	<SRL	U	1	1.91	<SRL	U	1	1.64	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Hexane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Chloroform	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Ethyl Acetate	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Tetrahydrofuran	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,2-Dichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Benzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

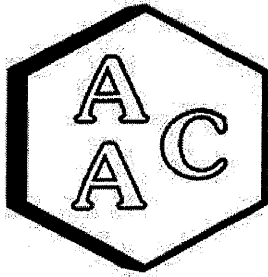
DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### 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		232354-51192				232354-51193				
Date Sampled		11/13/2023				11/13/2023				
Date Analyzed		11/14/2023				11/14/2023				
Can Dilution Factor		1.91			1.64					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Cyclohexane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,2-Dichloropropane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Bromodichloromethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,4-Dioxane	<SRL	U	1	1.91	<SRL	U	1	1.64	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Heptane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Toluene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.91	<SRL	U	1	1.64	1.00	
Dibromochloromethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,2-Dibromoethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Chlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Ethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
m & p-Xylene	<SRL	U	1	1.91	<SRL	U	1	1.64	1.00	
Bromoform	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Styrene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
o-Xylene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
4-Ethyltoluene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
Hexachlorobutadiene	<SRL	U	1	0.95	<SRL	U	1	0.82	0.50	
BFB-Surrogate Std. % Recovery		98%				100%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

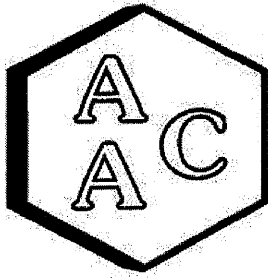
CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>MS-11</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		<i>232354-51194</i>				
<i>Date Sampled</i>		<i>11/13/2023</i>				
<i>Date Analyzed</i>		<i>11/14/2023</i>				
<i>Can Dilution Factor</i>		<i>2.47</i>				
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	1.23	0.50	
Propene	<SRL	U	1	2.47	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.23	0.50	
Chloromethane	<SRL	U	1	1.23	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.23	0.50	
Vinyl Chloride	<SRL	U	1	1.23	0.50	
Methanol	<SRL	U	1	12.3	5.00	
1,3-Butadiene	<SRL	U	1	1.23	0.50	
Bromomethane	<SRL	U	1	1.23	0.50	
Chloroethane	<SRL	U	1	1.23	0.50	
Dichlorofluoromethane	<SRL	U	1	1.23	0.50	
Ethanol	10.00		1	4.94	2.00	
Vinyl Bromide	<SRL	U	1	1.23	0.50	
Acetone	7.85		1	4.94	2.00	
Trichlorofluoromethane	<SRL	U	1	1.23	0.50	
2-Propanol (IPA)	<SRL	U	1	4.94	2.00	
Acrylonitrile	<SRL	U	1	1.23	0.50	
1,1-Dichloroethene	<SRL	U	1	1.23	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.47	1.00	
Allyl Chloride	<SRL	U	1	2.47	1.00	
Carbon Disulfide	<SRL	U	1	4.94	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.23	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.23	0.50	
1,1-Dichloroethane	<SRL	U	1	1.23	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.23	0.50	
Vinyl Acetate	<SRL	U	1	2.47	1.00	
2-Butanone (MEK)	<SRL	U	1	2.47	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.23	0.50	
Hexane	<SRL	U	1	1.23	0.50	
Chloroform	<SRL	U	1	1.23	0.50	
Ethyl Acetate	<SRL	U	1	1.23	0.50	
Tetrahydrofuran	<SRL	U	1	1.23	0.50	
1,2-Dichloroethane	<SRL	U	1	1.23	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.23	0.50	
Benzene	<SRL	U	1	1.23	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11		Sample Reporting Limit (SRL) (MRL <sub>DF</sub> 's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232354-51194			
<i>Date Sampled</i>		11/13/2023			
<i>Date Analyzed</i>		11/14/2023			
<i>Can Dilution Factor</i>		2.47			
<i>Compound</i>	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.23	0.50
Cyclohexane	<SRL	U	1	1.23	0.50
1,2-Dichloropropane	<SRL	U	1	1.23	0.50
Bromodichloromethane	<SRL	U	1	1.23	0.50
1,4-Dioxane	<SRL	U	1	2.47	1.00
Trichloroethene (TCE)	<SRL	U	1	1.23	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.23	0.50
Heptane	<SRL	U	1	1.23	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.23	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.23	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.23	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.23	0.50
Toluene	<SRL	U	1	1.23	0.50
2-Hexanone (MBK)	<SRL	U	1	2.47	1.00
Dibromochloromethane	<SRL	U	1	1.23	0.50
1,2-Dibromoethane	<SRL	U	1	1.23	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.23	0.50
Chlorobenzene	<SRL	U	1	1.23	0.50
Ethylbenzene	<SRL	U	1	1.23	0.50
m & p-Xylene	<SRL	U	1	2.47	1.00
Bromoform	<SRL	U	1	1.23	0.50
Styrene	<SRL	U	1	1.23	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.23	0.50
o-Xylene	<SRL	U	1	1.23	0.50
4-Ethyltoluene	<SRL	U	1	1.23	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.23	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.23	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.23	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.23	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.23	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.23	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.23	0.50
Hexachlorobutadiene	<SRL	U	1	1.23	0.50
BFB-Surrogate Std. % Recovery			100%		70-130%

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





232354  
CHAIN OF CUSTODY RECORD

Client/Project Name **SCS Engineers /** Project Location **Valencia, CA**  
**Chisita Canyon Landfill Air/odor Sampling**

Project No. \_\_\_\_\_ Field Logbook No. \_\_\_\_\_

Sampler: (Print) **Alberto Lopez** (Signature) *[Signature]* No. Of Containers **7**

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	11-13/14-23	0658-0705	51188	6L Summa Canister	<i>[Signature]</i>	11-14-23	1001	307.91 Sulfur TO-15 Full List
MS-12	11-13/14-23	0706-0723	51189	6L Summa Canister	<i>[Signature]</i>			
MS-08	11-13/14-23	0712-0733	51190	6L Summa Canister	<i>[Signature]</i>			
MS-09	11-13/14-23	0720-0747	51191	6L Summa Canister	<i>[Signature]</i>			
MS-10	11-13/14-23	0728-0759	51192	6L Summa Canister	<i>[Signature]</i>			
MS-06	11-13/14-23	0742-0818	51193	6L Summa Canister	<i>[Signature]</i>			
MS-11	11-13/14-23	0802-0842	51194	6L Summa Canister	<i>[Signature]</i>			

Relinquished by: (Signature) *[Signature]* Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received for Laboratory: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

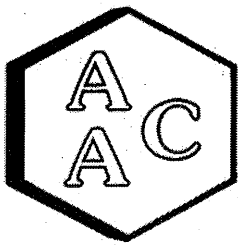
Sample Disposal Method: \_\_\_\_\_ Disposed of by: (Signature) *[Signature]* Date \_\_\_\_\_ Time \_\_\_\_\_

Sample Collector \_\_\_\_\_ Analytical Laboratory **AAE Ventura**  
 865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707  
 7c cans + 2c wood fasteners



**ANALYSES**

Canister Controller



# Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232354  
REPORT DATE : 11/17/2023

On November 14<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Summa Canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the sample was assigned a unique Laboratory ID number as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232354-51188	506.4
MS-12	232354-51189	525.3
MS-08	232354-51190	614.5
MS-09	232354-51191	500.1
MS-10	232354-51192	544.8
MS-06	232354-51193	625.9
MS-11	232354-51194	417.2

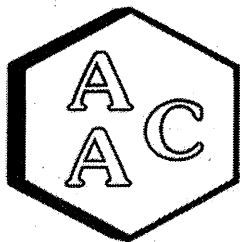
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of this sample. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 5 pages.



**LABORATORY ANALYSIS REPORT**

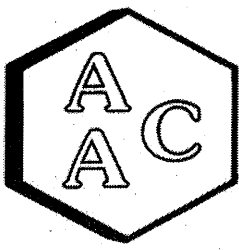
CLIENT : SCS Engineers  
 PROJECT NO. : 232354  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 11/13-14/2023  
 RECEIVING DATE : 11/14/2023  
 ANALYSIS DATE : 11/16/2023  
 REPORT DATE : 11/17/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	232354-51188	232354-51189	232354-51190	232354-51191
Canister Dil. Fac.	2.0	2.0	1.7	2.1
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.020	< 0.020	< 0.017	< 0.021
COS / SO2	< 0.020	< 0.020	< 0.017	< 0.021
Methyl Mercaptan	< 0.020	< 0.020	< 0.017	< 0.021
Ethyl Mercaptan	< 0.020	< 0.020	< 0.017	< 0.021
Dimethyl Sulfide	< 0.020	< 0.020	< 0.017	< 0.021
Carbon Disulfide	< 0.020	< 0.020	< 0.017	< 0.021
Isopropyl Mercaptan	< 0.020	< 0.020	< 0.017	< 0.021
tert-Butyl Mercaptan	< 0.020	< 0.020	< 0.017	< 0.021
n-Propyl Mercaptan	< 0.020	< 0.020	< 0.017	< 0.021
Methylethylsulfide	< 0.020	< 0.020	< 0.017	< 0.021
sec-Butyl Mercaptan / Thiophene	< 0.020	< 0.020	< 0.017	< 0.021
iso-Butyl Mercaptan	< 0.020	< 0.020	< 0.017	< 0.021
Diethyl Sulfide	< 0.020	< 0.020	< 0.017	< 0.021
n-Butyl Mercaptan	< 0.020	< 0.020	< 0.017	< 0.021
Dimethyl Disulfide	< 0.020	< 0.020	< 0.017	< 0.021
2-Methylthiophene	< 0.020	< 0.020	< 0.017	< 0.021
3-Methylthiophene	< 0.020	< 0.020	< 0.017	< 0.021
Tetrahydrothiophene	< 0.020	< 0.020	< 0.017	< 0.021
Bromothiophene	< 0.020	< 0.020	< 0.017	< 0.021
Thiophenol	< 0.020	< 0.020	< 0.017	< 0.021
Diethyl Disulfide	< 0.020	< 0.020	< 0.017	< 0.021
Total Unidentified Sulfur	<b>0.320</b>	< 0.020	< 0.017	< 0.021
Total Reduced Sulfurs	<b>0.320</b>	< 0.020	< 0.017	< 0.021

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

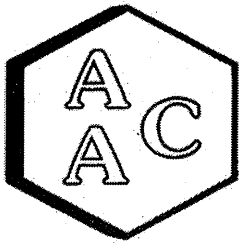
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232354  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 11/13-14/2023  
**RECEIVING DATE :** 11/14/2023  
**ANALYSIS DATE :** 11/16/2023  
**REPORT DATE :** 11/17/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	232354-51192	232354-51193	232354-51194
Canister Dil. Fac.	1.9	1.6	2.5
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.019	< 0.016	< 0.025
COS / SO2	< 0.019	< 0.016	< 0.025
Methyl Mercaptan	< 0.019	< 0.016	< 0.025
Ethyl Mercaptan	< 0.019	< 0.016	< 0.025
Dimethyl Sulfide	< 0.019	< 0.016	< 0.025
Carbon Disulfide	< 0.019	< 0.016	< 0.025
Isopropyl Mercaptan	< 0.019	< 0.016	< 0.025
tert-Butyl Mercaptan	< 0.019	< 0.016	< 0.025
n-Propyl Mercaptan	< 0.019	< 0.016	< 0.025
Methylethylsulfide	< 0.019	< 0.016	< 0.025
sec-Butyl Mercaptan / Thiophene	< 0.019	< 0.016	< 0.025
iso-Butyl Mercaptan	< 0.019	< 0.016	< 0.025
Diethyl Sulfide	< 0.019	< 0.016	< 0.025
n-Butyl Mercaptan	< 0.019	< 0.016	< 0.025
Dimethyl Disulfide	< 0.019	< 0.016	< 0.025
2-Methylthiophene	< 0.019	< 0.016	< 0.025
3-Methylthiophene	< 0.019	< 0.016	< 0.025
Tetrahydrothiophene	< 0.019	< 0.016	< 0.025
Bromothiophene	< 0.019	< 0.016	< 0.025
Thiophenol	< 0.019	< 0.016	< 0.025
Diethyl Disulfide	< 0.019	< 0.016	< 0.025
Total Unidentified Sulfur	< 0.019	< 0.016	< 0.025
Total Reduced Sulfurs	< 0.019	< 0.016	< 0.025

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/16/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1889	512	102.5	2.0
Duplicate	1822	494	98.9	1.6
Triplicate	1845	501	100.2	0.4

*547.5 ppbV MeSH (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2410	559	102.1	0.7
Duplicate	2333	541	98.8	2.5
Triplicate	2435	565	103.1	1.8

*479.0 ppbV DMS (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2651	501	104.6	0.1
Duplicate	2644	500	104.4	0.2
Triplicate	2653	502	104.7	0.1

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	234.3	247.8	93.8	99.2	5.6
MeSH	<PQL	273.8	277.6	253.5	101.4	92.6	9.1
DMS	<PQL	239.5	254.6	249.9	106.3	104.3	1.9

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	506.1	101.3
MeSH	547.5	562.6	102.8
DMS	479.0	512.1	106.9

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV

DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

CHAIN OF CUSTODY RECORD

Client/Project Name **SCS Engineers / Chisuta Canyon Landfill Air odor Sampling**

Project Location **Valencia, CA**

Project No. \_\_\_\_\_

Field Logbook No. \_\_\_\_\_

Sampler: (Print) **Alberto Lopez**

(Signature) *Alberto Lopez*

No. of Containers **7**

ANALYSES

307.91 Sulfur  
70-15 Full List

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Canister	Remarks / Controller
MS-07	11-13/14-23	0658-0705	51188	OL Summa Canister	X	001744 / 19512
MS-12	11-13/14-23	0700-0723	51189	OL Summa Canister	X	001846 / 19506
MS-08	11-13/14-23	0712-0733	51190	OL Summa Canister	X	001835 / 19509
MS-09	11-13/14-23	0720-0747	51191	OL Summa Canister	X	001770 / 19588
MS-10	11-13/14-23	0728-0759	51192	OL Summa Canister	X	001827 / 19510
MS-06	11-13/14-23	0742-0818	51193	OL Summa Canister	X	001821 / 19508
MS-11	11-13/14-23	0802-0842	51194	OL Summa Canister	X	001757 / 19595

Relinquished by: (Signature) *Alberto Lopez*

Date **11-14-23**

Time **1001**

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 **11/14/23**

Time **1001**

Sample Disposal Method: \_\_\_\_\_

Disposed of by: (Signature) \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

Sample Collector \_\_\_\_\_

Analytical Laboratory \_\_\_\_\_

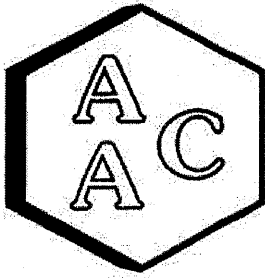


**RRS Environmental Inc.**

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

*AAE Ventura*

*72 cans + 72 control canisters*



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232423  
REPORT DATE : 11/22/2023

On November 21, 2023, 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:

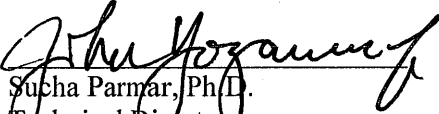
Client ID	Lab ID	Return Pressure (mmHga)
MS-07	232423-51550	405.0
MS-12	232423-51551	494.0
MS-08	232423-51552	742.0
MS-09	232423-51553	421.0
MS-10	232423-51554	385.0
MS-06	232423-51555	297.5
MS-11	232423-51556	373.5

**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.aacalab.com](http://www.aacalab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples.

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

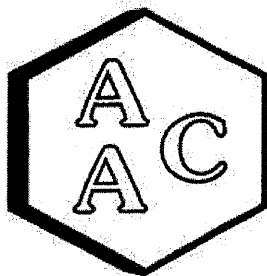
If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 14 pages.

Page 1





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

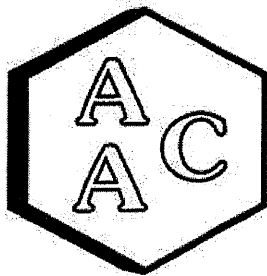
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232354-51550				232354-51551				
<i>Date Sampled</i>		11/20/2023				11/20/2023				
<i>Date Analyzed</i>		11/21/2023				11/21/2023				
<i>Can Dilution Factor</i>		2.54			2.09					
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Propene	<SRL	U	1	2.54	<SRL	U	1	2.09	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Chloromethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Vinyl Chloride	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Methanol	<SRL	U	1	12.7	<SRL	U	1	10.4	5.00	
1,3-Butadiene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Bromomethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Chloroethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Dichlorofluoromethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Ethanol	<SRL	U	1	5.08	<SRL	U	1	4.17	2.00	
Vinyl Bromide	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Acetone	<SRL	U	1	5.08	<SRL	U	1	4.17	2.00	
Trichlorofluoromethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
2-Propanol (IPA)	<SRL	U	1	5.08	<SRL	U	1	4.17	2.00	
Acrylonitrile	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,1-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.54	<SRL	U	1	2.09	1.00	
Allyl Chloride	<SRL	U	1	2.54	<SRL	U	1	2.09	1.00	
Carbon Disulfide	<SRL	U	1	5.08	<SRL	U	1	4.17	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,1-Dichloroethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Vinyl Acetate	<SRL	U	1	2.54	<SRL	U	1	2.09	1.00	
2-Butanone (MEK)	<SRL	U	1	2.54	<SRL	U	1	2.09	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Hexane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Chloroform	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Ethyl Acetate	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Tetrahydrofuran	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,2-Dichloroethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Benzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

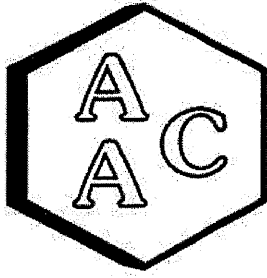
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 ANALYST : DL/CH

### 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		232354-51550				232354-51551				
Date Sampled		11/20/2023				11/20/2023				
Date Analyzed		11/21/2023				11/21/2023				
Can Dilution Factor		2.54			2.09					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Cyclohexane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,2-Dichloropropane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Bromodichloromethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,4-Dioxane	<SRL	U	1	2.54	<SRL	U	1	2.09	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Heptane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Toluene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.54	<SRL	U	1	2.09	1.00	
Dibromochloromethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,2-Dibromoethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Chlorobenzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Ethylbenzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
m & p-Xylene	<SRL	U	1	2.54	<SRL	U	1	2.09	1.00	
Bromoform	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Styrene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
o-Xylene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
4-Ethyltoluene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
Hexachlorobutadiene	<SRL	U	1	1.27	<SRL	U	1	1.04	0.50	
BFB-Surrogate Std. % Recovery		101%				100%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

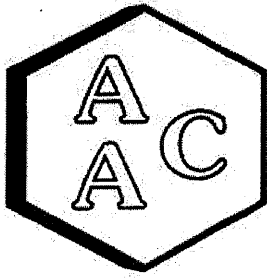
CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 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		232354-51552				232354-51553				
Date Sampled		11/20/2023				11/20/2023				
Date Analyzed		11/21/2023				11/21/2023				
Can Dilution Factor		1.38			2.48					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Propene	<SRL	U	1	1.38	<SRL	U	1	2.48	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Methanol	<SRL	U	1	6.90	<SRL	U	1	12.4	5.00	
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Ethanol	<SRL	U	1	2.76	6.38		1	4.96	2.00	
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Acetone	<SRL	U	1	2.76	<SRL	U	1	4.96	2.00	
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
2-Propanol (IPA)	<SRL	U	1	2.76	<SRL	U	1	4.96	2.00	
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.38	<SRL	U	1	2.48	1.00	
Allyl Chloride	<SRL	U	1	1.38	<SRL	U	1	2.48	1.00	
Carbon Disulfide	<SRL	U	1	2.76	<SRL	U	1	4.96	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Vinyl Acetate	<SRL	U	1	1.38	<SRL	U	1	2.48	1.00	
2-Butanone (MEK)	<SRL	U	1	1.38	<SRL	U	1	2.48	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Hexane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Chloroform	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Benzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

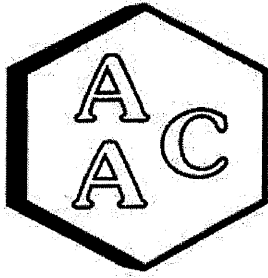
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 ANALYST : DL/CH

### 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		232354-51552				232354-51553				
Date Sampled		11/20/2023				11/20/2023				
Date Analyzed		11/21/2023				11/21/2023				
Can Dilution Factor		1.38			2.48					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,4-Dioxane	<SRL	U	1	1.38	<SRL	U	1	2.48	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Heptane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Toluene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.38	<SRL	U	1	2.48	1.00	
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
m & p-Xylene	<SRL	U	1	1.38	<SRL	U	1	2.48	1.00	
Bromoform	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Styrene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	1.24	0.50	
BFB-Surrogate Std. % Recovery		100%				101%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

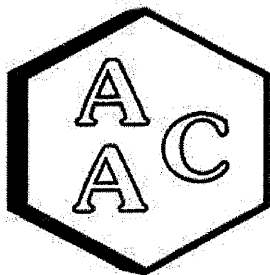
CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 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		232354-51554				232354-51555				
Date Sampled		11/20/2023				11/20/2023				
Date Analyzed		11/21/2023				11/21/2023				
Can Dilution Factor		2.71			3.48					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Propene	<SRL	U	1	2.71	<SRL	U	1	3.48	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Chloromethane	6.50		1	1.35	<SRL	U	1	1.74	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Vinyl Chloride	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Methanol	<SRL	U	1	13.5	<SRL	U	1	17.4	5.00	
1,3-Butadiene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Bromomethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Chloroethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Dichlorofluoromethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Ethanol	<SRL	U	1	5.42	<SRL	U	1	6.96	2.00	
Vinyl Bromide	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Acetone	6.50		1	5.42	<SRL	U	1	6.96	2.00	
Trichlorofluoromethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
2-Propanol (IPA)	<SRL	U	1	5.42	<SRL	U	1	6.96	2.00	
Acrylonitrile	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,1-Dichloroethene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.71	<SRL	U	1	3.48	1.00	
Allyl Chloride	<SRL	U	1	2.71	<SRL	U	1	3.48	1.00	
Carbon Disulfide	<SRL	U	1	5.42	<SRL	U	1	6.96	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,1-Dichloroethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Vinyl Acetate	<SRL	U	1	2.71	<SRL	U	1	3.48	1.00	
2-Butanone (MEK)	<SRL	U	1	2.71	<SRL	U	1	3.48	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Hexane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Chloroform	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Ethyl Acetate	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Tetrahydrofuran	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,2-Dichloroethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Benzene	1.71		1	1.35	<SRL	U	1	1.74	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

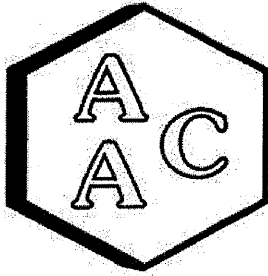
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 ANALYST : DL/CH

### 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		232354-51554				232354-51555				
Date Sampled		11/20/2023			11/20/2023					
Date Analyzed		11/21/2023			11/21/2023					
Can Dilution Factor		2.71			3.48					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Cyclohexane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,2-Dichloropropane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Bromodichloromethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,4-Dioxane	<SRL	U	1	2.71	<SRL	U	1	3.48	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Heptane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Toluene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.71	<SRL	U	1	3.48	1.00	
Dibromochloromethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,2-Dibromoethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Chlorobenzene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Ethylbenzene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
m & p-Xylene	<SRL	U	1	2.71	<SRL	U	1	3.48	1.00	
Bromoform	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Styrene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
o-Xylene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
4-Ethyltoluene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
Hexachlorobutadiene	<SRL	U	1	1.35	<SRL	U	1	1.74	0.50	
BFB-Surrogate Std. % Recovery		101%				100%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

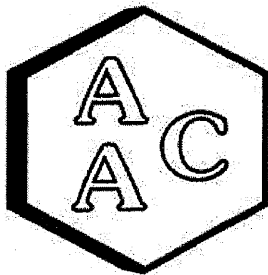
CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11		Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232354-51556			
<i>Date Sampled</i>		11/20/2023			
<i>Date Analyzed</i>		11/21/2023			
<i>Can Dilution Factor</i>		2.80			
<i>Compound</i>	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.40	0.50
Propene	<SRL	U	1	2.80	1.00
Dichlorodifluoromethane	<SRL	U	1	1.40	0.50
Chloromethane	<SRL	U	1	1.40	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.40	0.50
Vinyl Chloride	<SRL	U	1	1.40	0.50
Methanol	<SRL	U	1	14.0	5.00
1,3-Butadiene	<SRL	U	1	1.40	0.50
Bromomethane	<SRL	U	1	1.40	0.50
Chloroethane	<SRL	U	1	1.40	0.50
Dichlorofluoromethane	<SRL	U	1	1.40	0.50
Ethanol	19.5		1	5.60	2.00
Vinyl Bromide	<SRL	U	1	1.40	0.50
Acetone	6.18		1	5.60	2.00
Trichlorofluoromethane	<SRL	U	1	1.40	0.50
2-Propanol (IPA)	<SRL	U	1	5.60	2.00
Acrylonitrile	<SRL	U	1	1.40	0.50
1,1-Dichloroethene	<SRL	U	1	1.40	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.80	1.00
Allyl Chloride	<SRL	U	1	2.80	1.00
Carbon Disulfide	<SRL	U	1	5.60	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.40	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.40	0.50
1,1-Dichloroethane	<SRL	U	1	1.40	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.40	0.50
Vinyl Acetate	<SRL	U	1	2.80	1.00
2-Butanone (MEK)	<SRL	U	1	2.80	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.40	0.50
Hexane	<SRL	U	1	1.40	0.50
Chloroform	<SRL	U	1	1.40	0.50
Ethyl Acetate	<SRL	U	1	1.40	0.50
Tetrahydrofuran	<SRL	U	1	1.40	0.50
1,2-Dichloroethane	<SRL	U	1	1.40	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.40	0.50
Benzene	<SRL	U	1	1.40	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232354  
 MATRIX : AIR  
 UNITS : PPB (v/v)

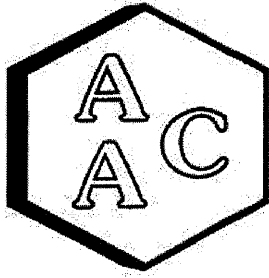
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-11			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID		232354-51556				
Date Sampled		11/20/2023				
Date Analyzed		11/21/2023				
Can Dilution Factor		2.80				
Compound	Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.40	0.50	
Cyclohexane	<SRL	U	1	1.40	0.50	
1,2-Dichloropropane	<SRL	U	1	1.40	0.50	
Bromodichloromethane	<SRL	U	1	1.40	0.50	
1,4-Dioxane	<SRL	U	1	2.80	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.40	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.40	0.50	
Heptane	<SRL	U	1	1.40	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.40	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.40	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.40	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.40	0.50	
Toluene	<SRL	U	1	1.40	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.80	1.00	
Dibromochloromethane	<SRL	U	1	1.40	0.50	
1,2-Dibromoethane	<SRL	U	1	1.40	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.40	0.50	
Chlorobenzene	<SRL	U	1	1.40	0.50	
Ethylbenzene	<SRL	U	1	1.40	0.50	
m & p-Xylene	<SRL	U	1	2.80	1.00	
Bromoform	<SRL	U	1	1.40	0.50	
Styrene	<SRL	U	1	1.40	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.40	0.50	
o-Xylene	<SRL	U	1	1.40	0.50	
4-Ethyltoluene	<SRL	U	1	1.40	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.40	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.40	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.40	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.40	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.40	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.40	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.40	0.50	
Hexachlorobutadiene	<SRL	U	1	1.40	0.50	
BFB-Surrogate Std. % Recovery			103%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/21/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MSI-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.68	103
Chlorodifluoromethane	10.40	11.96	115
Propene	10.60	11.53	109
Dichlorodifluoromethane	10.40	11.62	112
Dimethyl Ether	10.20	10.79	106
Chloromethane	10.40	10.68	103
Dichlorotetrafluoroethane	10.30	9.83	95
Vinyl Chloride	10.50	11.40	109
Acetaldehyde	21.10	22.81	108
Methanol	18.80	17.20	91
1,3-Butadiene	10.60	12.90	122
Bromomethane	10.40	9.38	90
Chloroethane	10.30	10.44	101
Dichlorofluoromethane	10.20	10.62	104
Ethanol	11.20	11.07	99
Vinyl Bromide	10.10	9.44	93
Acrolein	11.10	11.70	105
Acetone	10.60	9.79	92
Trichlorofluoromethane	10.50	10.97	104
2-Propanol (IPA)	11.00	11.94	109
Acrylonitrile	11.20	12.46	111
1,1-Dichloroethene	10.40	9.88	95
Methylene Chloride (DCM)	10.50	9.53	91
TertButanol (TBA)	11.10	12.97	117
Allyl Chloride	10.20	11.07	109
Carbon Disulfide	10.50	10.47	100
Trichlorotrifluoroethane	10.40	9.85	95
trans-1,2-Dichloroethene	10.60	10.68	101
1,1-Dichloroethane	10.50	11.20	107
Methyl Tert Butyl Ether (MTBE)	10.50	11.03	105
Vinyl Acetate	11.00	12.98	118
2-Butanone (MEK)	10.60	10.17	96
cis-1,2-Dichloroethene	10.50	10.35	99
Hexane	10.70	10.76	101
Chloroform	10.60	11.04	104
Ethyl Acetate	10.60	12.21	115
Tetrahydrofuran	10.20	10.16	100
1,2-Dichloroethane	10.50	12.15	116
1,1,1-Trichloroethane	10.40	11.45	110
Benzene	10.60	10.27	97
Carbon Tetrachloride	10.20	11.77	115
Cyclohexane	10.50	9.87	94

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
1,2-Dichloropropane	10.50	10.85	103	
Bromodichloromethane	10.40	11.55	111	
1,4-Dioxane	10.40	9.64	93	
Trichloroethene (TCE)	10.40	9.96	96	
2,2,4-Trimethylpentane	10.00	10.74	107	
Methyl Methacrylate	11.00	11.35	103	
Heptane	10.50	10.23	97	
cis-1,3-Dichloropropene	10.40	11.19	108	
4-Methyl-2-pentanone (MiBK)	10.40	11.37	109	
trans-1,3-Dichloropropene	10.50	11.58	110	
1,1,2-Trichloroethane	10.50	10.17	97	
Toluene	10.60	10.16	96	
2-Hexanone (MBK)	10.50	11.75	112	
Dibromochloromethane	10.30	11.46	111	
1,2-Dibromoethane	10.60	10.34	98	
Tetrachloroethene (PCE)	10.40	10.23	98	
Chlorobenzene	10.60	9.65	91	
Ethylbenzene	10.50	10.35	99	
m & p-Xylene	21.00	20.30	97	
Bromoform	10.50	11.91	113	
Styrene	10.50	10.47	100	
1,1,2,2-Tetrachloroethane	10.50	9.85	94	
o-Xylene	10.50	10.24	98	
1,2,3-Trichloropropane	11.00	11.03	100	
Isopropylbenzene (Cumene)	10.30	9.74	95	
α-Pinene	10.70	9.83	92	
2-Chlorotoluene	10.30	9.93	96	
n-Propylbenzene	10.10	9.68	96	
4-Ethyltoluene	10.30	9.84	96	
1,3,5-Trimethylbenzene	10.30	10.28	100	
β-Pinene	LR	11.00	1.99	18
1,2,4-Trimethylbenzene	10.30	9.93	96	
Benzyl Chloride (α-Chlorotoluene)	10.40	8.60	83	
1,3-Dichlorobenzene	10.40	10.16	98	
1,4-Dichlorobenzene	10.30	10.02	97	
Sec-ButylBenzene	10.10	9.60	95	
1,2-Dichlorobenzene	10.60	9.96	94	
n-ButylBenzene	10.20	10.03	98	
1,2-Dibromo-3-Chloropropane	10.10	10.11	100	
1,2,4-Trichlorobenzene	11.00	11.42	104	
Naphthalene	11.50	10.52	91	
Hexachlorobutadiene	11.00	11.27	102	

<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

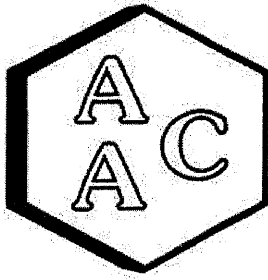
<sup>3</sup> The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.

\* - β-Pinene results are estimated.







# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/21/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

#### Laboratory Control Spike Analysis

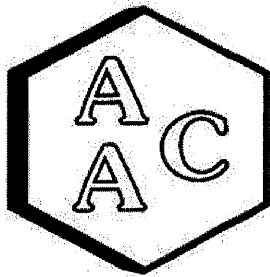
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.68	9.61	103	102	0.7
1,1-Dichloroethene	0.0	10.40	9.88	10.44	95	100	5.5
Methylene Chloride (DCM)	0.0	10.50	9.53	9.52	91	91	0.1
Benzene	0.0	10.60	10.27	10.46	97	99	1.8
Trichloroethene (TCE)	0.0	10.40	9.96	9.93	96	95	0.3
Toluene	0.0	10.60	10.16	10.25	96	97	0.9
Tetrachloroethene (PCE)	0.0	10.40	10.23	10.36	98	100	1.3
Chlorobenzene	0.0	10.60	9.65	9.78	91	92	1.3
Ethylbenzene	0.0	10.50	10.35	10.63	99	101	2.7
m & p-Xylene	0.0	21.00	20.30	20.79	97	99	2.4
o-Xylene	0.0	10.50	10.24	10.43	98	99	1.8

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

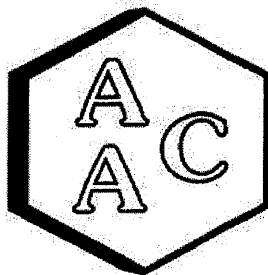
ANALYSIS DATE : 11/21/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 112123	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 112123	Reporting Limit (RL)
4-BFB (surrogate standard)	100%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	1.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MiBK)	<RL	0.5
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	0.5	2-Hexanone (MBK)	<RL	1.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	1.0	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	0.5
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	1.0	β-Pinene	<RL	0.5
2-Butanone (MEK)	<RL	1.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-ButylBenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-ButylBenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	0.5
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/21/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x116.32

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232411-51494

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.82	9.68	1.4
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	2620	2490	5.2
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)	492	443	10.4
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 <sup>2</sup>
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	114	106	7.4
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	860	838	2.6
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
Bromoförm	<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	618	675	8.8
2-Chlorotoluene	<SRL	<SRL	NA
n-Propylbenzene	<SRL	<SRL	NA
4-Ethyltoluene	<SRL	<SRL	NA
1,3,5-Trimethylbenzene	<SRL	<SRL	NA
β-Pinene	487	536	9.5
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



CHAIN OF CUSTODY RECORD

Client/Project Name: SCS Engineers / Project Location: Valencia, CA  
 Chiquita Canyon Landfill Air/Labor Sampling  
 Project No.: 232423 Field Logbook No.:

Sampler: (Print) Alberto Lopez (Signature) *Alberto Lopez* No. Of Containers: 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	11-20/21-23	0702-0702	51550	6L Summa Canister	<i>[Signature]</i>	11/21/23	0947	Canister Center/ler
MS-12	11-20/21-23	0714-0714	51551	6L Summa Canister	<i>[Signature]</i>			
MS-08	11-20/21-23	0722-0724	51552	6L Summa Canister	<i>[Signature]</i>			
MS-09	11-20/21-23	0733-0738	51553	6L Summa Canister	<i>[Signature]</i>			
MS-10	11-20/21-23	0743-0749	51554	6L Summa Canister	<i>[Signature]</i>			
MS-06	11-20/21-23	0758-0806	51555	6L Summa Canister	<i>[Signature]</i>			
MS-11	11-20/21-23	0816-0829	51556	6L Summa Canister	<i>[Signature]</i>			

307.91 Sulfur TO-15 Full List

ANALYSES

Relinquished by: (Signature) *[Signature]* Date: 11/21/23 Time: 0947 Received by: (Signature) *[Signature]* Date: 11/21/23 Time: 0947

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

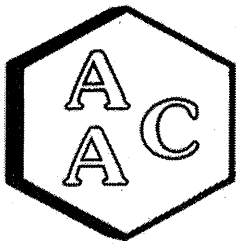
Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Disposal Method: \_\_\_\_\_ Disposed of by: (Signature) *[Signature]* Date: 11/21/23 Time: 0947

Sample Collector: \_\_\_\_\_ Analytical Laboratory: AAC Ventura

**RIESES Environmental Inc.**  
 865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

210-7x cms + 7x coated ANTELS



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232423  
REPORT DATE : 11/22/2023

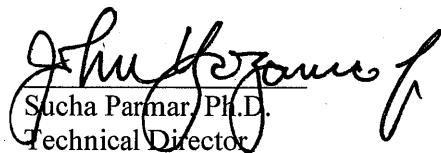
On November 21<sup>st</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232423-51550	405.0
MS-12	232423-51551	494.0
MS-08	232423-51552	742.0
MS-09	232423-51553	421.0
MS-10	232423-51554	385.0
MS-06	232423-51555	297.5
MS-11	232423-51556	373.5

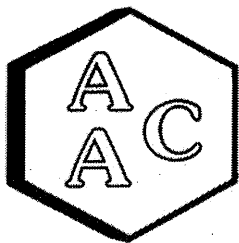
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 5 pages.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

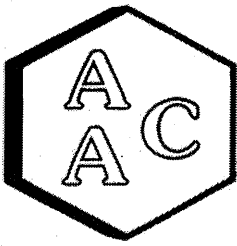
CLIENT : SCS Engineers  
 PROJECT NO. : 232423  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 11/20-21/2023  
 RECEIVING DATE : 11/21/2023  
 ANALYSIS DATE : 11/21/2023  
 REPORT DATE : 11/22/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	232423-51550	232423-51551	232423-51552	232423-51553
Canister Dil. Fac.	2.5	2.1	1.4	2.5
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.025	< 0.021	< 0.014	< 0.025
COS / SO <sub>2</sub>	< 0.025	< 0.021	< 0.014	< 0.025
Methyl Mercaptan	< 0.025	< 0.021	< 0.014	< 0.025
Ethyl Mercaptan	< 0.025	< 0.021	< 0.014	< 0.025
Dimethyl Sulfide	< 0.025	< 0.021	< 0.014	< 0.025
Carbon Disulfide	< 0.025	< 0.021	< 0.014	< 0.025
Isopropyl Mercaptan	< 0.025	< 0.021	< 0.014	< 0.025
tert-Butyl Mercaptan	< 0.025	< 0.021	< 0.014	< 0.025
n-Propyl Mercaptan	< 0.025	< 0.021	< 0.014	< 0.025
Methylethylsulfide	< 0.025	< 0.021	< 0.014	< 0.025
sec-Butyl Mercaptan / Thiophene	< 0.025	< 0.021	< 0.014	< 0.025
iso-Butyl Mercaptan	< 0.025	< 0.021	< 0.014	< 0.025
Diethyl Sulfide	< 0.025	< 0.021	< 0.014	< 0.025
n-Butyl Mercaptan	< 0.025	< 0.021	< 0.014	< 0.025
Dimethyl Disulfide	< 0.025	< 0.021	< 0.014	< 0.025
2-Methylthiophene	< 0.025	< 0.021	< 0.014	< 0.025
3-Methylthiophene	< 0.025	< 0.021	< 0.014	< 0.025
Tetrahydrothiophene	< 0.025	< 0.021	< 0.014	< 0.025
Bromothiophene	< 0.025	< 0.021	< 0.014	< 0.025
Thiophenol	< 0.025	< 0.021	< 0.014	< 0.025
Diethyl Disulfide	< 0.025	< 0.021	< 0.014	< 0.025
Total Unidentified Sulfur	< 0.025	< 0.021	< 0.014	< 0.025
Total Reduced Sulfurs	< 0.025	< 0.021	< 0.014	< 0.025

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

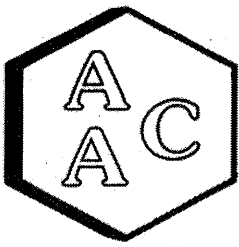
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232423  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 11/20-21/2023  
**RECEIVING DATE :** 11/21/2023  
**ANALYSIS DATE :** 11/21/2023  
**REPORT DATE :** 11/22/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-06	MS-11
AAC ID	232423-51554	232423-51555	232423-51556
Canister Dil. Fac.	2.7	3.5	2.8
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.027	< 0.035	< 0.028
COS / SO2	< 0.027	< 0.035	< 0.028
Methyl Mercaptan	< 0.027	< 0.035	< 0.028
Ethyl Mercaptan	< 0.027	< 0.035	< 0.028
Dimethyl Sulfide	< 0.027	< 0.035	< 0.028
Carbon Disulfide	< 0.027	< 0.035	< 0.028
Isopropyl Mercaptan	< 0.027	< 0.035	< 0.028
tert-Butyl Mercaptan	< 0.027	< 0.035	< 0.028
n-Propyl Mercaptan	< 0.027	< 0.035	< 0.028
Methylethylsulfide	< 0.027	< 0.035	< 0.028
sec-Butyl Mercaptan / Thiophene	< 0.027	< 0.035	< 0.028
iso-Butyl Mercaptan	< 0.027	< 0.035	< 0.028
Diethyl Sulfide	< 0.027	< 0.035	< 0.028
n-Butyl Mercaptan	< 0.027	< 0.035	< 0.028
Dimethyl Disulfide	< 0.027	< 0.035	< 0.028
2-Methylthiophene	< 0.027	< 0.035	< 0.028
3-Methylthiophene	< 0.027	< 0.035	< 0.028
Tetrahydrothiophene	< 0.027	< 0.035	< 0.028
Bromothiophene	< 0.027	< 0.035	< 0.028
Thiophenol	< 0.027	< 0.035	< 0.028
Diethyl Disulfide	< 0.027	< 0.035	< 0.028
Total Unidentified Sulfur	< 0.027	< 0.035	< 0.028
Total Reduced Sulfurs	< 0.027	< 0.035	< 0.028

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/21/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1886	512	102.4	1.3
Duplicate	1865	506	101.2	0.1
Triplicate	1837	498	99.7	1.4

*547.5 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2314	537	98.0	2.8
Duplicate	2430	564	102.9	2.1
Triplicate	2397	556	101.5	0.7

*479.0 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2418	457	95.4	4.5
Duplicate	2585	489	102.0	2.1
Triplicate	2593	490	102.3	2.4

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	236.3	243.4	94.6	97.4	3.0
MeSH	<PQL	273.8	289.4	279.7	105.7	102.2	3.4
DMS	<PQL	239.5	260.6	259.6	108.8	108.4	0.4

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	501.8	100.4
MeSH	547.5	567.9	103.7
DMS	479.0	477.8	99.7

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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



**CHAIN OF CUSTODY RECORD**

Client/Project Name: SCS Engineers / Project Location: Valencia, CA  
 Chiquita Canyon Landfill Air/odor Sampling Field Logbook No. 232423

Sampler: (Print) Alberto Lopez (Signature) Alberto Lopez No. Of Containers 7

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	No. Of Containers	ANALYSES	Remarks
MS-07	11-20/21-23	0702-0702	51550	6L Summa Canister	X	307.91 Sulfur TO-15 Full List	Canister Controller / 19513
MS-12	11-20/21-23	0714-0714	51551	6L Summa Canister	X		001803 / 19507
MS-08	11-20/21-23	0722-0724	51552	6L Summa Canister	X		001844 / 000808
MS-09	11-20/21-23	0733-0738	51553	6L Summa Canister	X		001845 / 19597
MS-10	11-20/21-23	0743-0749	51554	6L Summa Canister	X		001743 / 19593
MS-06	11-20/21-23	0758-0800	51555	6L Summa Canister	X		001848 / 19511
MS-11	11-20/21-23	0816-0829	51556	6L Summa Canister	X		001719 / 19594

Relinquished by: (Signature) Alberto Lopez Date: 11/21/23 Time: 0947 Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

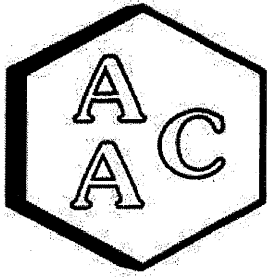
Sample Disposal Method: \_\_\_\_\_ Disposed of by: (Signature) \_\_\_\_\_ Date: 11/21/23 Time: 0947

Sample Collector: \_\_\_\_\_ Analytical Laboratory: AAC Ventura

865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

Do-7x cans + 7x coated filters





## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232462  
REPORT DATE : 11/30/2023

On November 28, 2023, 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:

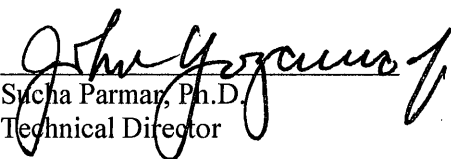
Client ID	Lab ID	Return Pressure (mmHga)
MS-07	232462-51784	311.5
MS-12	232462-51785	478.5
MS-08	232462-51786	730.5
MS-09	232462-51787	29.0
MS-10	232462-51788	318.5
MS-06	232462-51789	0.0
MS-11	232462-51790	369.5

**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.aacalab.com](http://www.aacalab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Samples "MS-09" (51787) and "MS-06" (51789) were received with very low sample volume and were voided at the request of the client. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

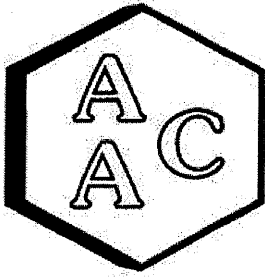
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 14 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

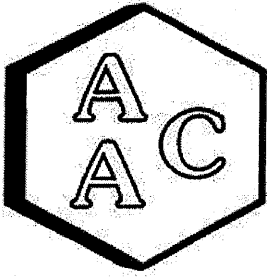
CLIENT : SCS Engineers  
 PROJECT NO : 232462  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
	232462-51784								
Date Sampled	11/27/2023								
Date Analyzed	11/28/2023								
Can Dilution Factor	3.35								
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Propene	<SRL	U	1	3.35	<SRL	U	1	2.16	1.00
Dichlorodifluoromethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Chloromethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Vinyl Chloride	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Methanol	<SRL	U	1	16.8	<SRL	U	1	10.8	5.00
1,3-Butadiene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Bromomethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Chloroethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Dichlorofluoromethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Ethanol	<SRL	U	1	6.70	<SRL	U	1	4.32	2.00
Vinyl Bromide	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Acetone	<SRL	U	1	6.70	<SRL	U	1	4.32	2.00
Trichlorofluoromethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
2-Propanol (IPA)	<SRL	U	1	6.70	<SRL	U	1	4.32	2.00
Acrylonitrile	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
1,1-Dichloroethene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Methylene Chloride (DCM)	<SRL	U	1	3.35	<SRL	U	1	2.16	1.00
Allyl Chloride	<SRL	U	1	3.35	<SRL	U	1	2.16	1.00
Carbon Disulfide	<SRL	U	1	6.70	<SRL	U	1	4.32	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
1,1-Dichloroethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Vinyl Acetate	<SRL	U	1	3.35	<SRL	U	1	2.16	1.00
2-Butanone (MEK)	<SRL	U	1	3.35	<SRL	U	1	2.16	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Hexane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Chloroform	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Ethyl Acetate	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Tetrahydrofuran	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
1,2-Dichloroethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50
Benzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232462  
 MATRIX : AIR  
 UNITS : PPB (v/v)

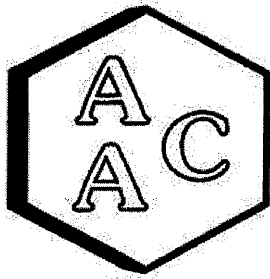
DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### 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		232462-51784				232462-51785				
Date Sampled		11/27/2023				11/27/2023				
Date Analyzed		11/28/2023				11/28/2023				
Can Dilution Factor		3.35			2.16					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Cyclohexane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,2-Dichloropropane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Bromodichloromethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,4-Dioxane	<SRL	U	1	3.35	<SRL	U	1	2.16	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Heptane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Toluene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
2-Hexanone (MBK)	<SRL	U	1	3.35	<SRL	U	1	2.16	1.00	
Dibromochloromethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,2-Dibromoethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Chlorobenzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Ethylbenzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
m & p-Xylene	<SRL	U	1	3.35	<SRL	U	1	2.16	1.00	
Bromoform	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Styrene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
o-Xylene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
4-Ethyltoluene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
Hexachlorobutadiene	<SRL	U	1	1.68	<SRL	U	1	1.08	0.50	
BFB-Surrogate Std. % Recovery			102%					101%	70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

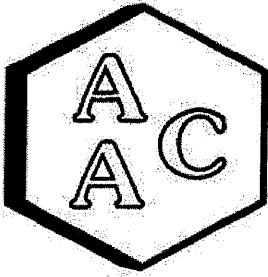
## Laboratory Analysis Report

CLIENT : SCS Engineers	DATE RECEIVED : 11/28/2023
PROJECT NO : 232462	DATE REPORTED : 11/30/2023
MATRIX : AIR	ANALYST : DL/CH
UNITS : PPB (v/v)	

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>	MS-08			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>	232462-51786				
<i>Date Sampled</i>	11/27/2023				
<i>Date Analyzed</i>	11/28/2023				
<i>Can Dilution Factor</i>	1.46				
<i>Compound</i>	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.73	0.50
Propene	<SRL	U	1	1.46	1.00
Dichlorodifluoromethane	<SRL	U	1	0.73	0.50
Chloromethane	<SRL	U	1	0.73	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.73	0.50
Vinyl Chloride	<SRL	U	1	0.73	0.50
Methanol	<SRL	U	1	7.29	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	<SRL	U	1	2.92	2.00
Vinyl Bromide	<SRL	U	1	0.73	0.50
Acetone	<SRL	U	1	2.92	2.00
Trichlorofluoromethane	<SRL	U	1	0.73	0.50
2-Propanol (IPA)	<SRL	U	1	2.92	2.00
Acrylonitrile	<SRL	U	1	0.73	0.50
1,1-Dichloroethene	<SRL	U	1	0.73	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.46	1.00
Allyl Chloride	<SRL	U	1	1.46	1.00
Carbon Disulfide	<SRL	U	1	2.92	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.73	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.73	0.50
1,1-Dichloroethane	<SRL	U	1	0.73	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	0.50
Vinyl Acetate	<SRL	U	1	1.46	1.00
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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

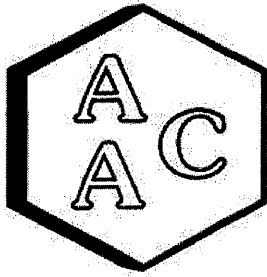
CLIENT : SCS Engineers	DATE RECEIVED : 11/28/2023
PROJECT NO : 232462	DATE REPORTED : 11/30/2023
MATRIX : AIR	ANALYST : DL/CH
UNITS : PPB (v/v)	

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID	232462-51786				
Date Sampled	11/27/2023				
Date Analyzed	11/28/2023				
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		100%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

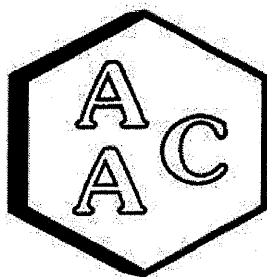
CLIENT : SCS Engineers  
 PROJECT NO : 232462  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>MS-10</i>		<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		232462-51788			
<i>Date Sampled</i>		11/27/2023			
<i>Date Analyzed</i>		11/28/2023			
<i>Can Dilution Factor</i>		3.27			
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		
Chlorodifluoromethane	<SRL	U	1	1.63	0.50
Propene	<SRL	U	1	3.27	1.00
Dichlorodifluoromethane	<SRL	U	1	1.63	0.50
Chloromethane	<SRL	U	1	1.63	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.63	0.50
Vinyl Chloride	<SRL	U	1	1.63	0.50
Methanol	<SRL	U	1	16.3	5.00
1,3-Butadiene	<SRL	U	1	1.63	0.50
Bromomethane	<SRL	U	1	1.63	0.50
Chloroethane	<SRL	U	1	1.63	0.50
Dichlorofluoromethane	<SRL	U	1	1.63	0.50
Ethanol	<SRL	U	1	6.53	2.00
Vinyl Bromide	<SRL	U	1	1.63	0.50
Acetone	<SRL	U	1	6.53	2.00
Trichlorofluoromethane	<SRL	U	1	1.63	0.50
2-Propanol (IPA)	<SRL	U	1	6.53	2.00
Acrylonitrile	<SRL	U	1	1.63	0.50
1,1-Dichloroethene	<SRL	U	1	1.63	0.50
Methylene Chloride (DCM)	<SRL	U	1	3.27	1.00
Allyl Chloride	<SRL	U	1	3.27	1.00
Carbon Disulfide	<SRL	U	1	6.53	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.63	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.63	0.50
1,1-Dichloroethane	<SRL	U	1	1.63	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.63	0.50
Vinyl Acetate	<SRL	U	1	3.27	1.00
2-Butanone (MEK)	<SRL	U	1	3.27	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.63	0.50
Hexane	<SRL	U	1	1.63	0.50
Chloroform	<SRL	U	1	1.63	0.50
Ethyl Acetate	<SRL	U	1	1.63	0.50
Tetrahydrofuran	<SRL	U	1	1.63	0.50
1,2-Dichloroethane	<SRL	U	1	1.63	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.63	0.50
Benzene	<SRL	U	1	1.63	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers      DATE RECEIVED : 11/28/2023  
PROJECT NO : 232462      DATE REPORTED : 11/30/2023  
MATRIX : AIR      ANALYST : DL/CH  
UNITS : PPB (v/v)

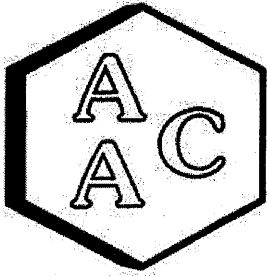
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>	232462-51788				
<i>Date Sampled</i>	11/27/2023				
<i>Date Analyzed</i>	11/28/2023				
<i>Can Dilution Factor</i>	3.27				
<i>Compound</i>	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.63	0.50
Cyclohexane	<SRL	U	1	1.63	0.50
1,2-Dichloropropane	<SRL	U	1	1.63	0.50
Bromodichloromethane	<SRL	U	1	1.63	0.50
1,4-Dioxane	<SRL	U	1	3.27	1.00
Trichloroethene (TCE)	<SRL	U	1	1.63	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.63	0.50
Heptane	<SRL	U	1	1.63	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.63	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.63	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.63	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.63	0.50
Toluene	<SRL	U	1	1.63	0.50
2-Hexanone (MBK)	<SRL	U	1	3.27	1.00
Dibromochloromethane	<SRL	U	1	1.63	0.50
1,2-Dibromoethane	<SRL	U	1	1.63	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.63	0.50
Chlorobenzene	<SRL	U	1	1.63	0.50
Ethylbenzene	<SRL	U	1	1.63	0.50
m & p-Xylene	<SRL	U	1	3.27	1.00
Bromoform	<SRL	U	1	1.63	0.50
Styrene	<SRL	U	1	1.63	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.63	0.50
o-Xylene	<SRL	U	1	1.63	0.50
4-Ethyltoluene	<SRL	U	1	1.63	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.63	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.63	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.63	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.63	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.63	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.63	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.63	0.50
Hexachlorobutadiene	<SRL	U	1	1.63	0.50
BFB-Surrogate Std. % Recovery		99%			70-130%

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

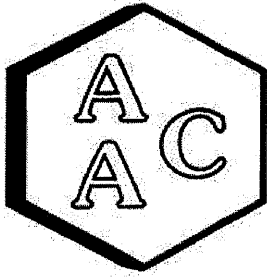
CLIENT : SCS Engineers  
 PROJECT NO : 232462  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11		Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232462-51790			
<i>Date Sampled</i>		11/27/2023			
<i>Date Analyzed</i>		11/28/2023			
<i>Can Dilution Factor</i>		2.82			
<i>Compound</i>	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.41	0.50
Propene	<SRL	U	1	2.82	1.00
Dichlorodifluoromethane	<SRL	U	1	1.41	0.50
Chloromethane	<SRL	U	1	1.41	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.41	0.50
Vinyl Chloride	<SRL	U	1	1.41	0.50
Methanol	<SRL	U	1	14.1	5.00
1,3-Butadiene	<SRL	U	1	1.41	0.50
Bromomethane	<SRL	U	1	1.41	0.50
Chloroethane	<SRL	U	1	1.41	0.50
Dichlorofluoromethane	<SRL	U	1	1.41	0.50
Ethanol	<SRL	U	1	5.64	2.00
Vinyl Bromide	<SRL	U	1	1.41	0.50
Acetone	<SRL	U	1	5.64	2.00
Trichlorofluoromethane	<SRL	U	1	1.41	0.50
2-Propanol (IPA)	<SRL	U	1	5.64	2.00
Acrylonitrile	<SRL	U	1	1.41	0.50
1,1-Dichloroethene	<SRL	U	1	1.41	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.82	1.00
Allyl Chloride	<SRL	U	1	2.82	1.00
Carbon Disulfide	<SRL	U	1	5.64	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.41	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.41	0.50
1,1-Dichloroethane	<SRL	U	1	1.41	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.41	0.50
Vinyl Acetate	<SRL	U	1	2.82	1.00
2-Butanone (MEK)	<SRL	U	1	2.82	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.41	0.50
Hexane	<SRL	U	1	1.41	0.50
Chloroform	<SRL	U	1	1.41	0.50
Ethyl Acetate	<SRL	U	1	1.41	0.50
Tetrahydrofuran	<SRL	U	1	1.41	0.50
1,2-Dichloroethane	<SRL	U	1	1.41	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.41	0.50
Benzene	<SRL	U	1	1.41	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232462  
 MATRIX : AIR  
 UNITS : PPB (v/v)

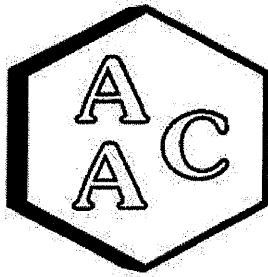
DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11		Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232462-51790			
<i>Date Sampled</i>		11/27/2023			
<i>Date Analyzed</i>		11/28/2023			
<i>Can Dilution Factor</i>		2.82			
<i>Compound</i>	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.41	0.50
Cyclohexane	<SRL	U	1	1.41	0.50
1,2-Dichloropropane	<SRL	U	1	1.41	0.50
Bromodichloromethane	<SRL	U	1	1.41	0.50
1,4-Dioxane	<SRL	U	1	2.82	1.00
Trichloroethene (TCE)	<SRL	U	1	1.41	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.41	0.50
Heptane	<SRL	U	1	1.41	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.41	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.41	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.41	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.41	0.50
Toluene	<SRL	U	1	1.41	0.50
2-Hexanone (MBK)	<SRL	U	1	2.82	1.00
Dibromochloromethane	<SRL	U	1	1.41	0.50
1,2-Dibromoethane	<SRL	U	1	1.41	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.41	0.50
Chlorobenzene	<SRL	U	1	1.41	0.50
Ethylbenzene	<SRL	U	1	1.41	0.50
m & p-Xylene	<SRL	U	1	2.82	1.00
Bromoform	<SRL	U	1	1.41	0.50
Styrene	<SRL	U	1	1.41	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.41	0.50
o-Xylene	<SRL	U	1	1.41	0.50
4-Ethyltoluene	<SRL	U	1	1.41	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.41	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.41	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.41	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.41	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.41	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.41	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.41	0.50
Hexachlorobutadiene	<SRL	U	1	1.41	0.50
BFB-Surrogate Std. % Recovery		98%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/28/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MSI-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.83	105
Chlorodifluoromethane	10.40	11.77	113
Propene	10.60	10.88	103
Dichlorodifluoromethane	10.40	12.33	119
Dimethyl Ether	10.20	10.19	100
Chloromethane	10.40	10.51	101
Dichlorotetrafluoroethane	10.30	10.02	97
Vinyl Chloride	10.50	11.02	105
Acetaldehyde	21.10	21.06	100
Methanol	18.80	16.71	89
1,3-Butadiene	10.60	12.61	119
Bromomethane	10.40	9.66	93
Chloroethane	10.30	9.79	95
Dichlorofluoromethane	10.20	10.58	104
Ethanol	11.20	10.80	96
Vinyl Bromide	10.10	9.55	95
Acrolein	11.10	11.13	100
Acetone	10.60	9.62	91
Trichlorofluoromethane	10.50	11.45	109
2-Propanol (IPA)	11.00	11.96	109
Acrylonitrile	11.20	11.82	106
1,1-Dichloroethene	10.40	9.89	95
Methylene Chloride (DCM)	10.50	9.29	88
TertButanol (TBA)	11.10	12.89	116
Allyl Chloride	10.20	11.04	108
Carbon Disulfide	10.50	10.27	98
Trichlorotrifluoroethane	10.40	9.94	96
trans-1,2-Dichloroethene	10.60	10.75	101
1,1-Dichloroethane	10.50	10.96	104
Methyl Tert Butyl Ether (MTBE)	10.50	11.44	109
Vinyl Acetate	11.00	13.22	120
2-Butanone (MEK)	10.60	10.20	96
cis-1,2-Dichloroethene	10.50	10.60	101
Hexane	10.70	10.46	98
Chloroform	10.60	10.98	104
Ethyl Acetate	10.60	11.97	113
Tetrahydrofuran	10.20	10.06	99
1,2-Dichloroethane	10.50	12.44	118
1,1,1-Trichloroethane	10.40	11.91	115
Benzene	10.60	10.20	96
Carbon Tetrachloride	10.20	11.85	116
Cyclohexane	10.50	9.52	91

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
1,2-Dichloropropane	10.50	10.21	97	
Bromodichloromethane	10.40	11.57	111	
1,4-Dioxane	10.40	9.52	92	
Trichloroethene (TCE)	10.40	9.90	95	
2,2,4-Trimethylpentane	10.00	10.44	104	
Methyl Methacrylate	11.00	11.30	103	
Heptane	10.50	9.91	94	
cis-1,3-Dichloropropene	10.40	10.97	105	
4-Methyl-2-pentanone (MiBK)	10.40	10.87	105	
trans-1,3-Dichloropropene	10.50	11.53	110	
1,1,2-Trichloroethane	10.50	10.09	96	
Toluene	10.60	9.98	94	
2-Hexanone (MBK)	10.50	11.38	108	
Dibromochloromethane	10.30	11.31	110	
1,2-Dibromoethane	10.60	10.29	97	
Tetrachloroethene (PCE)	10.40	10.21	98	
Chlorobenzene	10.60	9.66	91	
Ethylbenzene	10.50	10.30	98	
m & p-Xylene	21.00	20.35	97	
Bromoform	10.50	11.88	113	
Styrene	10.50	10.51	100	
1,1,2,2-Tetrachloroethane	10.50	9.53	91	
o-Xylene	10.50	10.25	98	
1,2,3-Trichloropropane	11.00	11.13	101	
Isopropylbenzene (Cumene)	10.30	9.72	94	
α-Pinene	10.70	10.96	102	
2-Chlorotoluene	10.30	9.90	96	
n-Propylbenzene	10.10	9.59	95	
4-Ethyltoluene	10.30	9.80	95	
1,3,5-Trimethylbenzene	10.30	10.16	99	
β-Pinene	LR	11.00	3.42	31
1,2,4-Trimethylbenzene	10.30	9.77	95	
Benzyl Chloride (a-Chlorotoluene)	10.40	8.34	80	
1,3-Dichlorobenzene	10.40	10.69	103	
1,4-Dichlorobenzene	10.30	9.68	94	
Sec-ButylBenzene	10.10	9.51	94	
1,2-Dichlorobenzene	10.60	9.86	93	
n-ButylBenzene	10.20	9.85	97	
1,2-Dibromo-3-Chloropropane	10.10	9.28	92	
1,2,4-Trichlorobenzene	11.00	10.50	95	
Naphthalene	11.50	10.23	89	
Hexachlorobutadiene	11.00	10.38	94	

<sup>1</sup> Concentration of analyte compound in certified source standard.

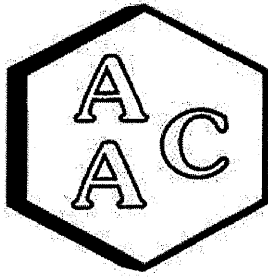
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/28/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

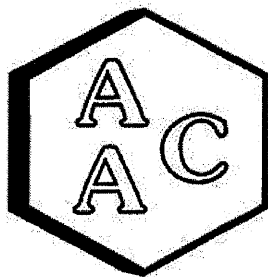
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.83	9.73	105	104	1.0
1,1-Dichloroethene	0.0	10.40	9.89	9.81	95	94	0.8
Methylene Chloride (DCM)	0.0	10.50	9.29	9.16	88	87	1.4
Benzene	0.0	10.60	10.20	10.16	96	96	0.4
Trichloroethene (TCE)	0.0	10.40	9.90	10.02	95	96	1.2
Toluene	0.0	10.60	9.98	10.17	94	96	1.9
Tetrachloroethene (PCE)	0.0	10.40	10.21	10.29	98	99	0.8
Chlorobenzene	0.0	10.60	9.66	9.50	91	90	1.7
Ethylbenzene	0.0	10.50	10.30	10.18	98	97	1.2
m & p-Xylene	0.0	21.00	20.35	20.17	97	96	0.9
o-Xylene	0.0	10.50	10.25	10.17	98	97	0.8

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 11/28/2023

INSTRUMENT ID : GC/MS-04

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

UNITS : PPB (v/v)

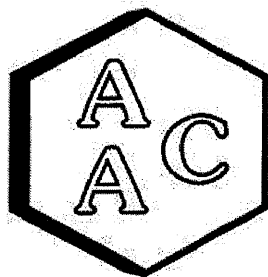
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 112823	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	1.0
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 112823	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 : 11/28/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232458-51768

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.77	9.82	0.5
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	<SRL	NA
Methanol	<SRL	<SRL	NA
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	<SRL	<SRL	NA
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	<SRL	<SRL	NA
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<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 <sup>2</sup>
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	20.8	20.6	0.9
2-Hexanone (MBK)	<SRL	<SRL	NA
Dibromochloromethane	<SRL	<SRL	NA
1,2-Dibromoethane	<SRL	<SRL	NA
Tetrachloroethene (PCE)	<SRL	<SRL	NA
Chlorobenzene	<SRL	<SRL	NA
Ethylbenzene	<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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



CHAIN OF CUSTODY RECORD 232462

Client/Project Name SCS Engineers / Project Location Valencina, CA  
 Chiefta Canyon Landfill Air/soil Sampling

Project No. Field Logbook No. ANALYSES

Sampler: (Print) Alberto Lopez (Signature) *Alberto Lopez* No. Of Containers 7  
 307.91 Sulfur  
 TO-15 Full List

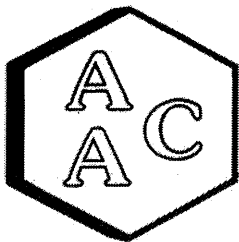
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	11-27/28-23	0705-0707	51789	6L Summa Canister	<i>[Signature]</i>	11/28/23	1005	Canister / Controller
MS-12	11-27/28-23	0710-0720	51785	6L Summa Canister	<i>[Signature]</i>			
MS-08	11-27/28-23	0722-0729	51786	6L Summa Canister	<i>[Signature]</i>			
MS-09	11-27/28-23	0731-0741	51787	6L Summa Canister	<i>[Signature]</i>			
MS-10	11-27/28-23	0742-0753	51788	6L Summa Canister	<i>[Signature]</i>			
MS-06	11-27/28-23	0756-0811	51789	6L Summa Canister	<i>[Signature]</i>			
MS-11	11-27/28-23	0826-0845	51790	6L Summa Canister	<i>[Signature]</i>			

Relinquished by: (Signature) *Alberto Lopez* Date 11/28/23 Time 1005 Received by: (Signature) Date Time

Relinquished by: (Signature) Date Time Received for Laboratory: (Signature) Date Time

Sample Disposal Method: Disposed of by: (Signature) *[Signature]* Date 11/28/23 Time 1005

Sample Collector Analytical Laboratory  
**RRS Environmental Inc.**  
 865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707  
 AAC Ventura  
 010- 74 cans + 7x coated Enbecks



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232462  
REPORT DATE : 11/29/2023

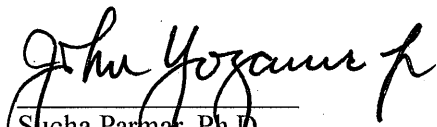
On November 28<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232462-51784	311.5
MS-12	232462-51785	487.5
MS-08	232462-51786	730.5
MS-09	232462-51787	29.0
MS-10	232462-51788	318.5
MS-06	232462-51789	0.0
MS-11	232462-51790	369.5

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

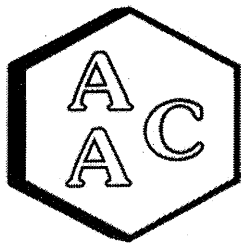
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Samples "MS-09" (AAC ID: 232462-51787) and "MS-06" (AAC ID: 232462-51789) were received at nearly/full vacuum. Per client request, these samples were voided and therefore not analyzed. 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 4 pages.





# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

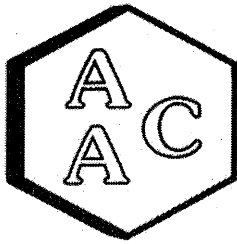
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232462  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 11/27-28/2023  
**RECEIVING DATE :** 11/28/2023  
**ANALYSIS DATE :** 11/28/2023  
**REPORT DATE :** 11/29/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-10	MS-11
AAC ID	232462-51784	232462-51785	232462-51786	232462-51788	232462-51790
Canister Dil. Fac.	3.4	2.2	1.5	3.3	2.8
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
COS / SO2	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Methyl Mercaptan	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Ethyl Mercaptan	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Dimethyl Sulfide	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Carbon Disulfide	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Isopropyl Mercaptan	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
tert-Butyl Mercaptan	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
n-Propyl Mercaptan	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Methylethylsulfide	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
sec-Butyl Mercaptan / Thiophene	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
iso-Butyl Mercaptan	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Diethyl Sulfide	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
n-Butyl Mercaptan	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Dimethyl Disulfide	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
2-Methylthiophene	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
3-Methylthiophene	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Tetrahydrothiophene	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Bromothiophene	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Thiophenol	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Diethyl Disulfide	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Total Unidentified Sulfur	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028
Total Reduced Sulfurs	< 0.034	< 0.022	< 0.015	< 0.033	< 0.028

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/28/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID : SCD-BTU  
 Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	875	0.503	100.7	3.6
Duplicate	831	0.478	95.6	1.6
Triplicate	827	0.476	95.2	2.0

0.548 ppbV H<sub>2</sub>S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	882	0.536	97.9	2.5
Duplicate	907	0.551	100.6	0.2
Triplicate	925	0.562	102.6	2.2

0.479 ppbV H<sub>2</sub>S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	886	0.488	101.9	1.0
Duplicate	886	0.488	102.0	1.0
Triplicate	860	0.474	98.9	2.0

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.251	0.246	100.5	98.4	2.0
MeSH	<PQL	0.274	0.267	0.277	97.5	101.2	3.7
DMS	<PQL	0.240	0.235	0.240	98.1	100.2	2.1

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.483	96.6
MeSH	0.548	0.589	107.6
DMS	0.479	0.459	95.8

\* 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

CHAIN OF CUSTODY RECORD 232462

Client/Project Name: SCS Engineers / Project Location: Valencia, CA  
 Chierita Canyon Landfill Air/soil Sampling  
 Project No. \_\_\_\_\_ Field Logbook No. \_\_\_\_\_

Sampler: (Print) Alberto Lopez (Signature) *Alber* No. Of Containers 7

ANALYSES  
 307.91 Sulfur  
 TO-15 Full List  
 Remarks: Canister Controller

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time
MS-07	11-27/28-23	0705-0707	51789	6L Summa Canister	<input checked="" type="checkbox"/>		
MS-12	11-27/28-23	0710-0720	51785	6L Summa Canister	<input checked="" type="checkbox"/>		
MS-08	11-27/28-23	0722-0729	51786	6L Summa Canister	<input checked="" type="checkbox"/>		
MS-09	11-27/28-23	0731-0741	51787	6L Summa Canister	<input checked="" type="checkbox"/>		
MS-10	11-27/28-23	0742-0753	51788	6L Summa Canister	<input checked="" type="checkbox"/>		
MS-06	11-27/28-23	0756-0811	51789	6L Summa Canister	<input checked="" type="checkbox"/>		
MS-11	11-27/28-23	0826-0845	51790	6L Summa Canister	<input checked="" type="checkbox"/>		

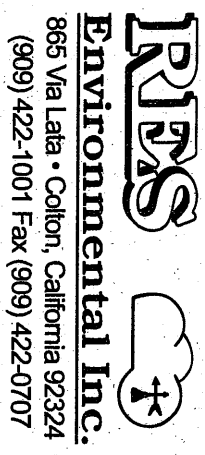
Relinquished by: (Signature) *Alber* Date: 11/28/23 Time: 1005 Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received for Laboratory: (Signature) \_\_\_\_\_ Date: 11/28/23 Time: 1600

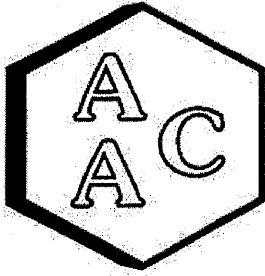
Sample Disposal Method: \_\_\_\_\_ Disposed of by: (Signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Collector: \_\_\_\_\_ Analytical Laboratory: AA C Ventura



865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

0/0 - 7x cans + 7x coated Enbecks



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232515  
REPORT DATE : 12/06/2023

On December 5, 2023, 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:

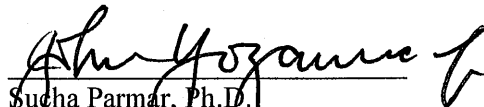
Client ID	Lab ID	Return Pressure (mmHga)
MS-07	232515-52014	402.5
MS-12	232515-52015	107.0
MS-08	232515-52016	VOID
MS-09	232515-52017	375.5
MS-10	232515-52018	365.0
MS-06	232515-52019	287.0
MS-11	232515-52020	VOID

**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.aacalab.com](http://www.aacalab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Samples "MS-08" (52016) and "MS-11" (52020) were received with very low sample volume and were voided at the request of the client. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

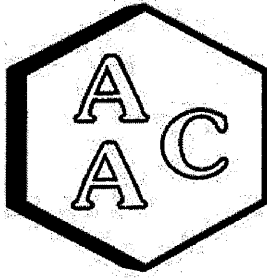
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
\_\_\_\_\_  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 12 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

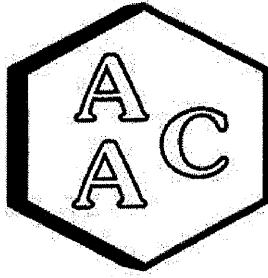
CLIENT : SCS Engineers  
 PROJECT NO : 232515  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/06/2023  
 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		232515-52014				232515-52015				
Date Sampled		12/04/2023				12/04/2023				
Date Analyzed		12/05/2023				12/05/2023				
Can Dilution Factor		2.54			9.61					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Propene	<SRL	U	1	2.54	<SRL	U	1	9.61	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Chloromethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Vinyl Chloride	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Methanol	<SRL	U	1	12.7	<SRL	U	1	48.0	5.00	
1,3-Butadiene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Bromomethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Chloroethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Dichlorofluoromethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Ethanol	<SRL	U	1	5.09	<SRL	U	1	19.2	2.00	
Vinyl Bromide	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Acetone	<SRL	U	1	5.09	<SRL	U	1	19.2	2.00	
Trichlorofluoromethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
2-Propanol (IPA)	<SRL	U	1	5.09	<SRL	U	1	19.2	2.00	
Acrylonitrile	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,1-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.54	<SRL	U	1	9.61	1.00	
Allyl Chloride	<SRL	U	1	2.54	<SRL	U	1	9.61	1.00	
Carbon Disulfide	<SRL	U	1	5.09	<SRL	U	1	19.2	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,1-Dichloroethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Vinyl Acetate	<SRL	U	1	2.54	<SRL	U	1	9.61	1.00	
2-Butanone (MEK)	<SRL	U	1	2.54	<SRL	U	1	9.61	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Hexane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Chloroform	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Ethyl Acetate	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Tetrahydrofuran	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,2-Dichloroethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Benzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232515  
 MATRIX : AIR  
 UNITS : PPB (v/v)

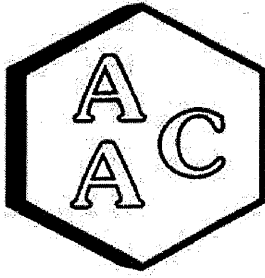
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/06/2023  
 ANALYST : DL/CH

### 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		232515-52014				232515-52015				
Date Sampled		12/04/2023				12/04/2023				
Date Analyzed		12/05/2023				12/05/2023				
Can Dilution Factor		2.54			9.61					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Cyclohexane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,2-Dichloropropane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Bromodichloromethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,4-Dioxane	<SRL	U	1	2.54	<SRL	U	1	9.61	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Heptane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Toluene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.54	<SRL	U	1	9.61	1.00	
Dibromochloromethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,2-Dibromoethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Chlorobenzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Ethylbenzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
m & p-Xylene	<SRL	U	1	2.54	<SRL	U	1	9.61	1.00	
Bromoform	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Styrene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
o-Xylene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
4-Ethyltoluene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
Hexachlorobutadiene	<SRL	U	1	1.27	<SRL	U	1	4.80	0.50	
BFB-Surrogate Std. % Recovery		95%				96%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

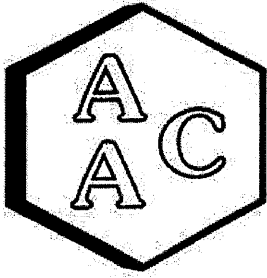
CLIENT : SCS Engineers  
 PROJECT NO : 232515  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/06/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>	232515-52017				
<i>Date Sampled</i>	12/04/2023				
<i>Date Analyzed</i>	12/05/2023				
<i>Can Dilution Factor</i>	2.71				
<i>Compound</i>	Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	1.35	0.50
Propene	<SRL	U	1	2.71	1.00
Dichlorodifluoromethane	<SRL	U	1	1.35	0.50
Chloromethane	2.22		1	1.35	0.50
Dichlorotetrafluoroethane	<SRL	U	1	1.35	0.50
Vinyl Chloride	<SRL	U	1	1.35	0.50
Methanol	<SRL	U	1	13.5	5.00
1,3-Butadiene	<SRL	U	1	1.35	0.50
Bromomethane	<SRL	U	1	1.35	0.50
Chloroethane	<SRL	U	1	1.35	0.50
Dichlorofluoromethane	<SRL	U	1	1.35	0.50
Ethanol	<SRL	U	1	5.41	2.00
Vinyl Bromide	<SRL	U	1	1.35	0.50
Acetone	8.74		1	5.41	2.00
Trichlorofluoromethane	<SRL	U	1	1.35	0.50
2-Propanol (IPA)	<SRL	U	1	5.41	2.00
Acrylonitrile	<SRL	U	1	1.35	0.50
1,1-Dichloroethene	<SRL	U	1	1.35	0.50
Methylene Chloride (DCM)	<SRL	U	1	2.71	1.00
Allyl Chloride	<SRL	U	1	2.71	1.00
Carbon Disulfide	<SRL	U	1	5.41	2.00
Trichlorotrifluoroethane	<SRL	U	1	1.35	0.50
trans-1,2-Dichloroethene	<SRL	U	1	1.35	0.50
1,1-Dichloroethane	<SRL	U	1	1.35	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.35	0.50
Vinyl Acetate	<SRL	U	1	2.71	1.00
2-Butanone (MEK)	<SRL	U	1	2.71	1.00
cis-1,2-Dichloroethene	<SRL	U	1	1.35	0.50
Hexane	<SRL	U	1	1.35	0.50
Chloroform	<SRL	U	1	1.35	0.50
Ethyl Acetate	<SRL	U	1	1.35	0.50
Tetrahydrofuran	<SRL	U	1	1.35	0.50
1,2-Dichloroethane	<SRL	U	1	1.35	0.50
1,1,1-Trichloroethane	<SRL	U	1	1.35	0.50
Benzene	2.36		1	1.35	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232515  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/06/2023  
 ANALYST : DL/CH

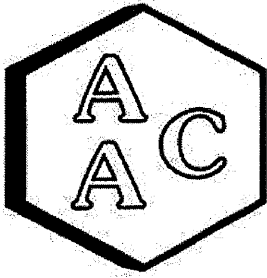
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-09		Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232515-52017			
<i>Date Sampled</i>		12/04/2023			
<i>Date Analyzed</i>		12/05/2023			
<i>Can Dilution Factor</i>		2.71			
<i>Compound</i>	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.35	0.50
Cyclohexane	<SRL	U	1	1.35	0.50
1,2-Dichloropropane	<SRL	U	1	1.35	0.50
Bromodichloromethane	<SRL	U	1	1.35	0.50
1,4-Dioxane	<SRL	U	1	2.71	1.00
Trichloroethene (TCE)	<SRL	U	1	1.35	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.35	0.50
Heptane	<SRL	U	1	1.35	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.35	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.35	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.35	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.35	0.50
Toluene	2.03		1	1.35	0.50
2-Hexanone (MBK)	<SRL	U	1	2.71	1.00
Dibromochloromethane	<SRL	U	1	1.35	0.50
1,2-Dibromoethane	<SRL	U	1	1.35	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.35	0.50
Chlorobenzene	<SRL	U	1	1.35	0.50
Ethylbenzene	<SRL	U	1	1.35	0.50
m & p-Xylene	<SRL	U	1	2.71	1.00
Bromoform	<SRL	U	1	1.35	0.50
Styrene	<SRL	U	1	1.35	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.35	0.50
o-Xylene	<SRL	U	1	1.35	0.50
4-Ethyltoluene	<SRL	U	1	1.35	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.35	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.35	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.35	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.35	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.35	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.35	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.35	0.50
Hexachlorobutadiene	<SRL	U	1	1.35	0.50
BFB-Surrogate Std. % Recovery		96%			70-130%

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

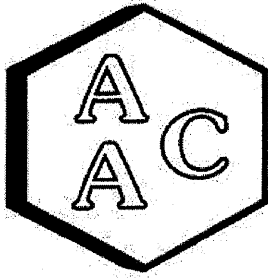
CLIENT : SCS Engineers  
 PROJECT NO : 232515  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/06/2023  
 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		232515-52018				232515-52019				
Date Sampled		12/04/2023				12/04/2023				
Date Analyzed		12/05/2023				12/05/2023				
Can Dilution Factor		2.79			3.58					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Propene	<SRL	U	1	2.79	<SRL	U	1	3.58	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Chloromethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Vinyl Chloride	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Methanol	<SRL	U	1	13.9	<SRL	U	1	17.9	5.00	
1,3-Butadiene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Bromomethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Chloroethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Dichlorofluoromethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Ethanol	<SRL	U	1	5.58	<SRL	U	1	7.15	2.00	
Vinyl Bromide	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Acetone	5.97		1	5.58	<SRL	U	1	7.15	2.00	
Trichlorofluoromethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
2-Propanol (IPA)	<SRL	U	1	5.58	<SRL	U	1	7.15	2.00	
Acrylonitrile	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,1-Dichloroethene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.79	<SRL	U	1	3.58	1.00	
Allyl Chloride	<SRL	U	1	2.79	<SRL	U	1	3.58	1.00	
Carbon Disulfide	<SRL	U	1	5.58	<SRL	U	1	7.15	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,1-Dichloroethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Vinyl Acetate	<SRL	U	1	2.79	<SRL	U	1	3.58	1.00	
2-Butanone (MEK)	<SRL	U	1	2.79	<SRL	U	1	3.58	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Hexane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Chloroform	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Ethyl Acetate	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Tetrahydrofuran	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,2-Dichloroethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Benzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232515  
 MATRIX : AIR  
 UNITS : PPB (v/v)

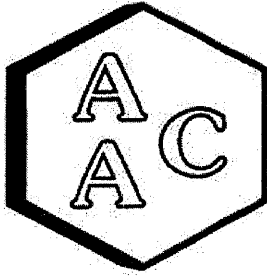
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/06/2023  
 ANALYST : DL/CH

### 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		232515-52018				232515-52019				
Date Sampled		12/04/2023				12/04/2023				
Date Analyzed		12/05/2023				12/05/2023				
Can Dilution Factor		2.79			3.58					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Cyclohexane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,2-Dichloropropane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Bromodichloromethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,4-Dioxane	<SRL	U	1	2.79	<SRL	U	1	3.58	1.00	
Trichloroethene (TCE)	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Heptane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,1,2-Trichloroethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Toluene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.79	<SRL	U	1	3.58	1.00	
Dibromochloromethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,2-Dibromoethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Chlorobenzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Ethylbenzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
m & p-Xylene	<SRL	U	1	2.79	<SRL	U	1	3.58	1.00	
Bromoform	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Styrene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
o-Xylene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
4-Ethyltoluene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,3-Dichlorobenzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,4-Dichlorobenzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,2-Dichlorobenzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
Hexachlorobutadiene	<SRL	U	1	1.39	<SRL	U	1	1.79	0.50	
BFB-Surrogate Std. % Recovery		96%				96%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/05/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

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

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 11/30/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.47	101
Chlorodifluoromethane	10.30	9.85	96
Propene	10.70	9.75	91
Dichlorodifluoromethane	10.40	10.56	102
Dimethyl Ether	10.20	9.31	91
Chloromethane	10.50	9.53	91
Dichlorotetrafluoroethane	10.20	10.23	100
Vinyl Chloride	10.60	10.07	95
Acetaldehyde	21.00	19.71	94
Methanol	19.00	21.18	111
1,3-Butadiene	10.70	10.58	99
Bromomethane	10.40	9.97	96
Chloroethane	10.40	9.70	93
Dichlorofluoromethane	10.20	9.89	97
Ethanol	11.40	10.92	96
Vinyl Bromide	10.10	10.12	100
Acrolein	10.90	10.82	99
Acetone	10.60	10.16	96
Trichlorofluoromethane	10.50	10.23	97
2-Propanol (IPA)	11.00	10.37	94
Acrylonitrile	11.00	11.54	105
1,1-Dichloroethene	10.50	10.28	98
Methylene Chloride (DCM)	10.40	10.19	98
TertButanol (TBA)	11.10	10.37	93
Allyl Chloride	10.20	9.68	95
Carbon Disulfide	10.50	10.19	97
Trichlorotrifluoroethane	10.30	10.03	97
trans-1,2-Dichloroethene	10.80	10.65	99
1,1-Dichloroethane	10.70	10.37	97
Methyl Tert Butyl Ether (MTBE)	10.70	10.06	94
Vinyl Acetate	11.00	10.61	96
2-Butanone (MEK)	10.70	10.05	94
cis-1,2-Dichloroethene	10.70	10.76	101
Hexane	10.80	10.81	100
Chloroform	10.70	10.41	97
Ethyl Acetate	10.70	9.96	93
Tetrahydrofuran	10.40	9.72	93
1,2-Dichloroethane	10.60	10.34	98
1,1,1-Trichloroethane	10.50	9.93	95
Benzene	10.70	10.47	98
Carbon Tetrachloride	10.30	9.94	97
Cyclohexane	10.50	10.32	98

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.70	10.06	94
Bromodichloromethane	10.50	10.21	97
1,4-Dioxane	10.50	10.07	96
Trichloroethene (TCE)	10.50	10.06	96
2,2,4-Trimethylpentane	10.10	9.61	95
Methyl Methacrylate	11.00	10.92	99
Heptane	10.50	10.47	100
cis-1,3-Dichloropropene	10.50	10.09	96
4-Methyl-2-pentanone (MiBK)	10.50	9.81	93
trans-1,3-Dichloropropene	10.60	10.31	97
1,1,2-Trichloroethane	10.60	10.32	97
Toluene	10.80	10.53	98
2-Hexanone (MBK)	10.50	10.01	95
Dibromochloromethane	10.60	9.98	94
1,2-Dibromoethane	10.60	10.31	97
Tetrachloroethene (PCE)	10.50	10.09	96
Chlorobenzene	10.80	10.35	96
Ethylbenzene	10.60	10.44	98
m & p-Xylene	21.20	20.43	96
Bromoform	10.60	10.32	97
Styrene	10.60	10.55	100
1,1,2,2-Tetrachloroethane	10.60	10.10	95
o-Xylene	10.60	10.33	97
1,2,3-Trichloropropane	11.00	10.86	99
Isopropylbenzene (Cumene)	10.40	10.11	97
α-Pinene	10.80	9.27	86
2-Chlorotoluene	10.30	10.32	100
n-Propylbenzene	10.10	9.91	98
4-Ethyltoluene	10.40	10.17	98
1,3,5-Trimethylbenzene	10.30	9.98	97
β-Pinene	10.90	12.46	114
1,2,4-Trimethylbenzene	10.30	9.91	96
Benzyl Chloride (a-Chlorotoluene)	10.30	8.87	86
1,3-Dichlorobenzene	10.30	10.14	98
1,4-Dichlorobenzene	10.20	9.98	98
Sec-ButylBenzene	10.10	9.68	96
1,2-Dichlorobenzene	10.40	10.48	101
n-ButylBenzene	10.30	9.69	94
1,2-Dibromo-3-Chloropropane	10.30	9.37	91
1,2,4-Trichlorobenzene	10.50	10.35	99
Naphthalene	10.90	11.47	105
Hexachlorobutadiene	10.80	9.68	90

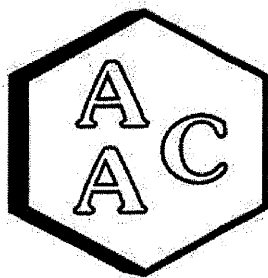
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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 : 12/05/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-112823-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

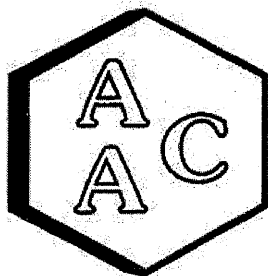
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.47	9.59	101	102	1.3
1,1-Dichloroethene	0.0	10.50	10.28	10.69	98	102	3.9
Methylene Chloride (DCM)	0.0	10.40	10.19	10.16	98	98	0.3
Benzene	0.0	10.70	10.47	10.39	98	97	0.8
Trichloroethene (TCE)	0.0	10.50	10.06	10.05	96	96	0.1
Toluene	0.0	10.80	10.53	10.45	98	97	0.8
Tetrachloroethene (PCE)	0.0	10.50	10.09	10.16	96	97	0.7
Chlorobenzene	0.0	10.80	10.35	10.36	96	96	0.1
Ethylbenzene	0.0	10.60	10.44	10.25	98	97	1.8
m & p-Xylene	0.0	21.20	20.43	20.01	96	94	2.1
o-Xylene	0.0	10.60	10.33	10.15	97	96	1.8

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 12/05/2023

INSTRUMENT ID : GC/MS-04

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

UNITS : PPB (v/v)

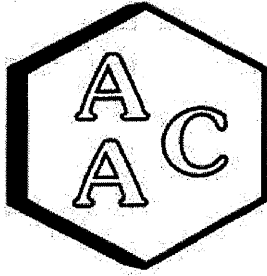
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 120523	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 120523	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 : 12/05/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x2.54

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232515-52014

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	8.97	8.98	0.1
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	<SRL	<SRL	NA
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	J 3.26	3.41	4.6
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 <sup>2</sup>
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> 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.



232515  
CHAIN OF CUSTODY RECORD

Client/Project Name **SCS Engineers / Chiquita Canyon Landfill Air/odor Sampling**

Project Location **Valencia, CA**

**ANALYSES**

Project No. \_\_\_\_\_ Field Logbook No. \_\_\_\_\_

Sampler: (Print) **Alberto Lopez** (Signature) *[Signature]* No. Of Containers **7**

307.91 Sulfur  
TO-15 Full List

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
M5-07	12-4/5-23	0652-0703	52014	WL Summa Canister	<i>[Signature]</i>	12/5/23	0942	Canister / Controller
M5-12	12-4/5-23	0659-0717	52015	WL Summa Canister	<i>[Signature]</i>			001839 / 19513
M5-08	12-4/5-23	0705-0724	52016	WL Summa Canister	<i>[Signature]</i>			001808 / 05090
M5-09	12-4/5-23	0710-0735	52017	WL Summa Canister	<i>[Signature]</i>			001803 / 05097
M5-10	12-4/5-23	0724-0745	52018	WL Summa Canister	<i>[Signature]</i>			001904 / 19593
M5-06	12-4/5-23	0738-0800	52019	WL Summa Canister	<i>[Signature]</i>			001832 / 19507
M5-11	12-4/5-23	0800-0832	52020	WL Summa Canister	<i>[Signature]</i>			001796 / 19511
					<i>[Signature]</i>			001849 / 05091

Relinquished by: (Signature) *[Signature]* Date **12/5/23** Time **0942** Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

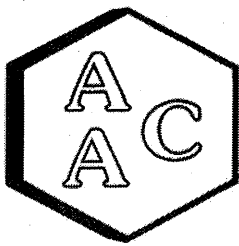
Sample Disposal Method: \_\_\_\_\_ Disposed of by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Sample Collector **RIES Environmental Inc.**  
 865 Via Lata • Colton, California 92324  
 (909) 422-1001 Fax (909) 422-0707

Analytical Laboratory **AAC Ventura**

7x Siles + 7x conted Entech FC

D/O



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232515  
REPORT DATE : 12/06/2023

On December 5<sup>TH</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) six-Liter Silonite Canisters for Total Reduced Sulfur analysis by SCAQMD 307.19. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232515-52014	402.5
MS-12	232515-52015	107.0
MS-08	232515-52016	N/A
MS-09	232515-52017	375.5
MS-10	232515-52018	365.0
MS-06	232515-52019	287.0
MS-11	232515-52020	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](http://www.aaclab.com).

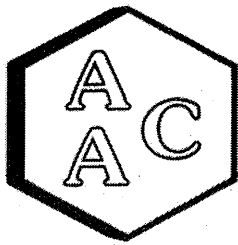
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Samples "MS-08" (52016) and "MS-11" (52020) were received with very low sample volume and were voided at the request of the client. No other problems were encountered during receiving, 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 4 pages.





# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

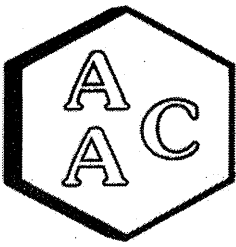
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232515  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 12/04-05/2023  
**RECEIVING DATE :** 12/05/2023  
**ANALYSIS DATE :** 12/05/2023  
**REPORT DATE :** 12/06/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-09	MS-10	MS-06
AAC ID	232515-52014	232515-52015	232515-52017	232515-52018	232515-52019
Canister Dil. Fac.	2.5	9.6	2.7	2.8	3.6
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
COS / SO2	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Methyl Mercaptan	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Ethyl Mercaptan	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Dimethyl Sulfide	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Carbon Disulfide	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Isopropyl Mercaptan	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
tert-Butyl Mercaptan	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
n-Propyl Mercaptan	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Methylethylsulfide	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
sec-Butyl Mercaptan / Thiophene	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
iso-Butyl Mercaptan	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Diethyl Sulfide	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
n-Butyl Mercaptan	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Dimethyl Disulfide	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
2-Methylthiophene	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
3-Methylthiophene	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Tetrahydrothiophene	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Bromothiophene	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Thiophenol	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Diethyl Disulfide	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Total Unidentified Sulfur	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036
Total Reduced Sulfurs	< 0.025	< 0.096	< 0.027	< 0.028	< 0.036

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 12/5/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SS1289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	830	0.478	95.6	0.3
Duplicate	826	0.475	95.1	0.8
Triplicate	843	0.485	97.0	1.1

*0.548 ppbV H2S (SS1289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	885	0.538	98.2	2.5
Duplicate	920	0.559	102.1	1.3
Triplicate	919	0.558	102.0	1.2

*0.479 ppbV H2S (SS1289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	874	0.482	100.6	2.0
Duplicate	836	0.461	96.2	2.5
Triplicate	862	0.475	99.2	0.5

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.268	0.253	107.3	101.3	5.8
MeSH	<PQL	0.274	0.290	0.294	105.9	107.4	1.4
DMS	<PQL	0.240	0.235	0.233	98.1	97.3	0.9

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.485	97.0
MeSH	0.548	0.558	101.9
DMS	0.479	0.445	92.9

\* 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

232515  
CHAIN OF CUSTODY RECORD

Client/Project Name *SCS Engineers / Chiquita Canyon Landfill Air/soil Sampling*

Project Location *Valencia, CA*

**ANALYSES**

Project No. \_\_\_\_\_ Field Logbook No. \_\_\_\_\_

Sampler: (Print) *Alberto Lopez* (Signature) *Alber* No. Of Containers *7*

307.91 Sulfur  
To-15 Full List

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Received by: (Signature)	Date	Time	Remarks
MS-07	12-4/5-23	0652-0703	52014	LOL Summa Canister	<i>[Signature]</i>	12/5/23	0942	Canister / Controller
MS-12	12-4/5-23	0659-0717	52015	LOL Summa Canister	<i>[Signature]</i>			001839 / 19513
MS-08	12-4/5-23	0705-0724	52016	LOL Summa Canister	<i>[Signature]</i>			001808 / 05090
MS-09	12-4/5-23	0710-0735	52017	LOL Summa Canister	<i>[Signature]</i>			001803 / 05097
MS-10	12-4/5-23	0724-0745	52018	LOL Summa Canister	<i>[Signature]</i>			001832 / 19587
MS-06	12-4/5-23	0738-0800	52019	LOL Summa Canister	<i>[Signature]</i>			001796 / 19511
MS-11	12-4/5-23	0800-0832	52020	LOL Summa Canister	<i>[Signature]</i>			001849 / 05091

Relinquished by: (Signature) *[Signature]*

Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Relinquished by: (Signature) \_\_\_\_\_

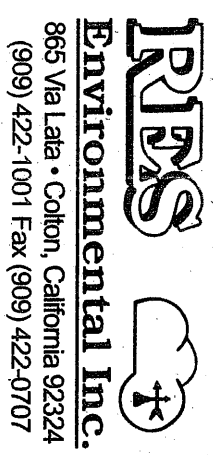
Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Sample Disposal Method: \_\_\_\_\_

Disposed of by: (Signature) *[Signature]* Date *12/5/23* Time *0942*

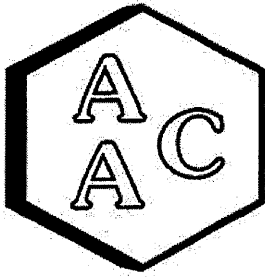
Sample Collector \_\_\_\_\_

Analytical Laboratory \_\_\_\_\_



*AAC Ventura*

865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232580  
REPORT DATE : 12/14/2023

On December 12, 2023, 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:

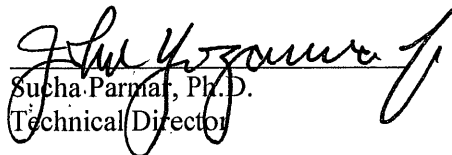
Client ID	Lab ID	Return Pressure (mmHga)
MS-07	232580-52450	507.0
MS-12	232580-52451	574.0
MS-08	232580-52452	324.0
MS-09	232580-52453	392.5
MS-10	232580-52454	524.5
MS-06	232580-52455	331.0
MS-11	232580-52456	519.0

**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.aacalab.com](http://www.aacalab.com).**

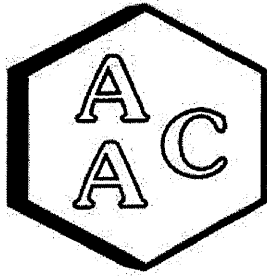
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples.

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

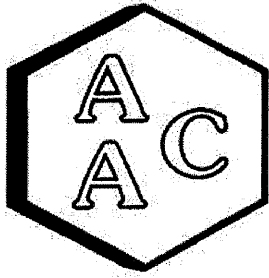
CLIENT : SCS Engineers  
 PROJECT NO : 232580  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 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		232580-52450				232580-52451				
Date Sampled		12/11/2023				12/11/2023				
Date Analyzed		12/12/2023				12/12/2023				
Can Dilution Factor		2.02			1.78					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Propene	<SRL	U	1	2.02	<SRL	U	1	1.78	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Chloromethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Vinyl Chloride	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Methanol	<SRL	U	1	10.1	<SRL	U	1	8.91	5.00	
1,3-Butadiene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Bromomethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Chloroethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Dichlorofluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Ethanol	6.62		1	4.04	5.74		1	3.56	2.00	
Vinyl Bromide	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Acetone	<SRL	U	1	4.04	3.74		1	3.56	2.00	
Trichlorofluoromethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
2-Propanol (IPA)	<SRL	U	1	4.04	<SRL	U	1	3.56	2.00	
Acrylonitrile	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
1,1-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Methylene Chloride (DCM)	<SRL	U	1	2.02	<SRL	U	1	1.78	1.00	
Allyl Chloride	<SRL	U	1	2.02	<SRL	U	1	1.78	1.00	
Carbon Disulfide	<SRL	U	1	4.04	<SRL	U	1	3.56	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
1,1-Dichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Vinyl Acetate	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
2-Butanone (MEK)	<SRL	U	1	2.02	<SRL	U	1	1.78	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Hexane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Chloroform	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Ethyl Acetate	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Tetrahydrofuran	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
1,2-Dichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	
Benzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232580  
 MATRIX : AIR  
 UNITS : PPB (v/v)

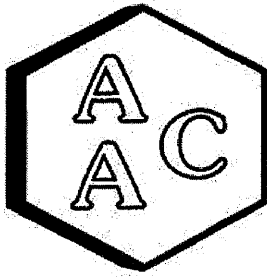
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-07			Sample Reporting Limit (SRL)	MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
	232580-52450				232580-52451				
Date Sampled	12/11/2023				12/11/2023				
Date Analyzed	12/12/2023				12/12/2023				
Can Dilution Factor	2.02				1.78				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Cyclohexane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,2-Dichloropropane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Bromodichloromethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,4-Dioxane	<SRL	U	1	2.02	<SRL	U	1	1.78	1.00
Trichloroethene (TCE)	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Heptane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Toluene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
2-Hexanone (MBK)	<SRL	U	1	2.02	<SRL	U	1	1.78	1.00
Dibromochloromethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,2-Dibromoethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Chlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Ethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
m & p-Xylene	<SRL	U	1	2.02	<SRL	U	1	1.78	1.00
Bromoform	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Styrene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
o-Xylene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
4-Ethyltoluene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.01	<SRL	U	1	0.89	0.50
Hexachlorobutadiene	<SRL	U	1	1.01	<SRL	U	1	0.89	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

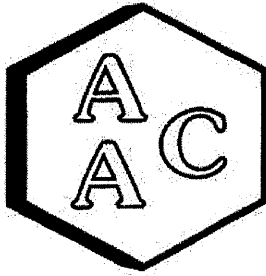
CLIENT : SCS Engineers  
 PROJECT NO : 232580  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 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		232580-52452				232580-52453				
Date Sampled		12/11/2023				12/11/2023				
Date Analyzed		12/12/2023				12/12/2023				
Can Dilution Factor		3.15			2.60					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Propene	<SRL	U	1	3.15	<SRL	U	1	2.60	1.00	
Dichlorodifluoromethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Chloromethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Vinyl Chloride	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Methanol	<SRL	U	1	15.8	<SRL	U	1	13.0	5.00	
1,3-Butadiene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Bromomethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Chloroethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Dichlorofluoromethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Ethanol	<SRL	U	1	6.31	<SRL	U	1	5.20	2.00	
Vinyl Bromide	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Acetone	<SRL	U	1	6.31	14.0	U	1	5.20	2.00	
Trichlorofluoromethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
2-Propanol (IPA)	<SRL	U	1	6.31	<SRL	U	1	5.20	2.00	
Acrylonitrile	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
1,1-Dichloroethene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Methylene Chloride (DCM)	<SRL	U	1	3.15	<SRL	U	1	2.60	1.00	
Allyl Chloride	<SRL	U	1	3.15	<SRL	U	1	2.60	1.00	
Carbon Disulfide	<SRL	U	1	6.31	<SRL	U	1	5.20	2.00	
Trichlorotrifluoroethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
1,1-Dichloroethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Vinyl Acetate	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
2-Butanone (MEK)	<SRL	U	1	3.15	<SRL	U	1	2.60	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Hexane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Chloroform	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Ethyl Acetate	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Tetrahydrofuran	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
1,2-Dichloroethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
1,1,1-Trichloroethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	
Benzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232580  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

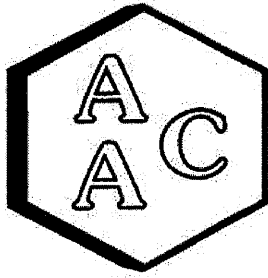
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-08				Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
232580-52452					232580-52453				
Date Sampled 12/11/2023					12/11/2023				
Date Analyzed 12/12/2023					12/12/2023				
Can Dilution Factor 3.15				2.60					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Cyclohexane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,2-Dichloropropane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Bromodichloromethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,4-Dioxane	<SRL	U	1	3.15	<SRL	U	1	2.60	1.00
Trichloroethene (TCE)	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
2,2,4-Trimethylpentane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Heptane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
trans-1,3-Dichloropropene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,1,2-Trichloroethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Toluene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
2-Hexanone (MBK)	<SRL	U	1	3.15	<SRL	U	1	2.60	1.00
Dibromochloromethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,2-Dibromoethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Tetrachloroethene (PCE)	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Chlorobenzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Ethylbenzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
m & p-Xylene	<SRL	U	1	3.15	<SRL	U	1	2.60	1.00
Bromoform	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Styrene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
o-Xylene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
4-Ethyltoluene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,3-Dichlorobenzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,4-Dichlorobenzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,2-Dichlorobenzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
Hexachlorobutadiene	<SRL	U	1	1.58	<SRL	U	1	1.30	0.50
BFB-Surrogate Std. % Recovery			99%				96%		70-130%

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

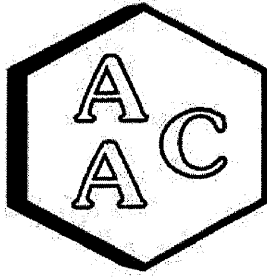
CLIENT : SCS Engineers  
 PROJECT NO : 232580  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 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		232580-52454				232580-52455				
Date Sampled		12/11/2023				12/11/2023				
Date Analyzed		12/12/2023				12/12/2023				
Can Dilution Factor		1.94				3.09				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Chlorodifluoromethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Propene	<SRL	U	1	1.94	<SRL	U	1	3.09	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Chloromethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Vinyl Chloride	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Methanol	<SRL	U	1	9.72	<SRL	U	1	15.4	5.00	
1,3-Butadiene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Bromomethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Chloroethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Dichlorofluoromethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Ethanol	5.04		1	3.89	6.58		1	6.18	2.00	
Vinyl Bromide	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Acetone	4.40		1	3.89	6.24		1	6.18	2.00	
Trichlorofluoromethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
2-Propanol (IPA)	<SRL	U	1	3.89	<SRL	U	1	6.18	2.00	
Acrylonitrile	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
1,1-Dichloroethene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.94	<SRL	U	1	3.09	1.00	
Allyl Chloride	<SRL	U	1	1.94	<SRL	U	1	3.09	1.00	
Carbon Disulfide	<SRL	U	1	3.89	<SRL	U	1	6.18	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
1,1-Dichloroethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Vinyl Acetate	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
2-Butanone (MEK)	<SRL	U	1	1.94	<SRL	U	1	3.09	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Hexane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Chloroform	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Ethyl Acetate	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Tetrahydrofuran	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
1,2-Dichloroethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	
Benzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232580  
 MATRIX : AIR  
 UNITS : PPB (v/v)

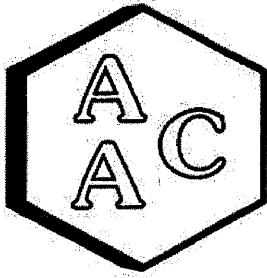
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### 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	Result	Qualifier		Analysis DF	Result	Qualifier		
	232580-52454				232580-52455				
Date Sampled	12/11/2023				12/11/2023				
Date Analyzed	12/12/2023				12/12/2023				
Can Dilution Factor	1.94				3.09				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Cyclohexane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,2-Dichloropropane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Bromodichloromethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,4-Dioxane	<SRL	U	1	1.94	<SRL	U	1	3.09	1.00
Trichloroethene (TCE)	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Heptane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Toluene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
2-Hexanone (MBK)	<SRL	U	1	1.94	<SRL	U	1	3.09	1.00
Dibromochloromethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,2-Dibromoethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Chlorobenzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Ethylbenzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
m & p-Xylene	<SRL	U	1	1.94	<SRL	U	1	3.09	1.00
Bromoform	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Styrene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
o-Xylene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
4-Ethyltoluene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
Hexachlorobutadiene	<SRL	U	1	0.97	<SRL	U	1	1.54	0.50
BFB-Surrogate Std. % Recovery		96%				94%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

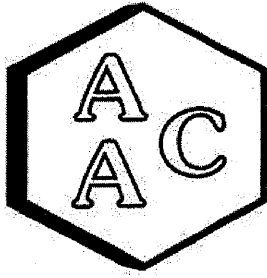
CLIENT : SCS Engineers  
 PROJECT NO : 232580  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232580-52456				
<i>Date Sampled</i>		12/11/2023				
<i>Date Analyzed</i>		12/12/2023				
<i>Can Dilution Factor</i>		1.97				
<i>Compound</i>	Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.99	0.50	
Propene	<SRL	U	1	1.97	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.99	0.50	
Chloromethane	<SRL	U	1	0.99	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.99	0.50	
Vinyl Chloride	<SRL	U	1	0.99	0.50	
Methanol	<SRL	U	1	9.86	5.00	
1,3-Butadiene	<SRL	U	1	0.99	0.50	
Bromomethane	<SRL	U	1	0.99	0.50	
Chloroethane	<SRL	U	1	0.99	0.50	
Dichlorofluoromethane	<SRL	U	1	0.99	0.50	
Ethanol	7.08		1	3.94	2.00	
Vinyl Bromide	<SRL	U	1	0.99	0.50	
Acetone	3.94		1	3.94	2.00	
Trichlorofluoromethane	<SRL	U	1	0.99	0.50	
2-Propanol (IPA)	<SRL	U	1	3.94	2.00	
Acrylonitrile	<SRL	U	1	0.99	0.50	
1,1-Dichloroethene	<SRL	U	1	0.99	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.97	1.00	
Allyl Chloride	<SRL	U	1	1.97	1.00	
Carbon Disulfide	<SRL	U	1	3.94	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.99	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.99	0.50	
1,1-Dichloroethane	<SRL	U	1	0.99	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.99	0.50	
Vinyl Acetate	<SRL	U	1	0.99	0.50	
2-Butanone (MEK)	<SRL	U	1	1.97	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.99	0.50	
Hexane	<SRL	U	1	0.99	0.50	
Chloroform	<SRL	U	1	0.99	0.50	
Ethyl Acetate	<SRL	U	1	0.99	0.50	
Tetrahydrofuran	<SRL	U	1	0.99	0.50	
1,2-Dichloroethane	<SRL	U	1	0.99	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.99	0.50	
Benzene	<SRL	U	1	0.99	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232580  
 MATRIX : AIR  
 UNITS : PPB (v/v)

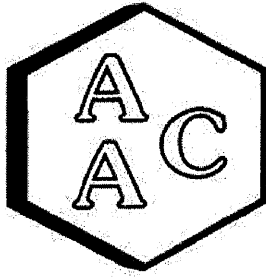
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-11		Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232580-52456			
<i>Date Sampled</i>		12/11/2023			
<i>Date Analyzed</i>		12/12/2023			
<i>Can Dilution Factor</i>		1.97			
<i>Compound</i>	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.99	0.50
Cyclohexane	<SRL	U	1	0.99	0.50
1,2-Dichloropropane	<SRL	U	1	0.99	0.50
Bromodichloromethane	<SRL	U	1	0.99	0.50
1,4-Dioxane	<SRL	U	1	1.97	1.00
Trichloroethene (TCE)	<SRL	U	1	0.99	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.99	0.50
Heptane	<SRL	U	1	0.99	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.99	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.99	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.99	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.99	0.50
Toluene	<SRL	U	1	0.99	0.50
2-Hexanone (MBK)	<SRL	U	1	1.97	1.00
Dibromochloromethane	<SRL	U	1	0.99	0.50
1,2-Dibromoethane	<SRL	U	1	0.99	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.99	0.50
Chlorobenzene	<SRL	U	1	0.99	0.50
Ethylbenzene	<SRL	U	1	0.99	0.50
m & p-Xylene	<SRL	U	1	1.97	1.00
Bromoform	<SRL	U	1	0.99	0.50
Styrene	<SRL	U	1	0.99	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.99	0.50
o-Xylene	<SRL	U	1	0.99	0.50
4-Ethyltoluene	<SRL	U	1	0.99	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.99	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.99	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.99	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.99	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.99	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.99	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.99	0.50
Hexachlorobutadiene	<SRL	U	1	0.99	0.50
BFB-Surrogate Std. % Recovery		95%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/12/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

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

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 11/30/2023 Calibration

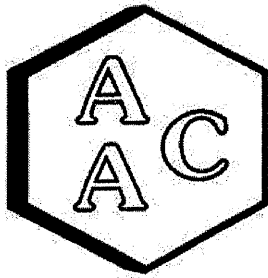
Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.33	99
Chlorodifluoromethane	10.30	8.98	87
Propene	10.70	8.71	81
Dichlorodifluoromethane	10.40	10.09	97
Dimethyl Ether	10.20	8.32	82
Chloromethane	10.50	8.80	84
Dichlorotetrafluoroethane	10.20	10.16	100
Vinyl Chloride	10.60	9.39	89
Acetaldehyde	21.00	16.27	77
Methanol	19.00	17.62	93
1,3-Butadiene	10.70	9.42	88
Bromomethane	10.40	10.03	96
Chloroethane	10.40	8.70	84
Dichlorofluoromethane	10.20	9.41	92
Ethanol	11.40	9.71	85
Vinyl Bromide	10.10	10.09	100
Acrolein	10.90	9.99	92
Acetone	10.60	9.20	87
Trichlorofluoromethane	10.50	10.02	95
2-Propanol (IPA)	11.00	9.34	85
Acrylonitrile	11.00	9.98	91
1,1-Dichloroethene	10.50	10.16	97
Methylene Chloride (DCM)	10.40	9.53	92
TertButanol (TBA)	11.10	9.71	87
Allyl Chloride	10.20	8.76	86
Carbon Disulfide	10.50	9.52	91
Trichlorotrifluoroethane	10.30	9.84	96
trans-1,2-Dichloroethene	10.80	10.62	98
1,1-Dichloroethane	10.70	9.62	90
Methyl Tert Butyl Ether (MTBE)	10.70	9.74	91
Vinyl Acetate	11.00	9.57	87
2-Butanone (MEK)	10.70	9.60	90
cis-1,2-Dichloroethene	10.70	10.28	96
Hexane	10.80	9.99	93
Chloroform	10.70	9.73	91
Ethyl Acetate	10.70	9.09	85
Tetrahydrofuran	10.40	8.86	85
1,2-Dichloroethane	10.60	9.45	89
1,1,1-Trichloroethane	10.50	9.65	92
Benzene	10.70	10.18	95
Carbon Tetrachloride	10.30	9.86	96
Cyclohexane	10.50	9.88	94

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.70	9.49	89
Bromodichloromethane	10.50	9.99	95
1,4-Dioxane	10.50	10.09	96
Trichloroethene (TCE)	10.50	10.26	98
2,2,4-Trimethylpentane	10.10	8.97	89
Methyl Methacrylate	11.00	10.35	94
Heptane	10.50	9.98	95
cis-1,3-Dichloropropene	10.50	9.67	92
4-Methyl-2-pentanone (MiBK)	10.50	9.03	86
trans-1,3-Dichloropropene	10.60	10.01	94
1,1,2-Trichloroethane	10.60	9.88	93
Toluene	10.80	10.27	95
2-Hexanone (MBK)	10.50	9.32	89
Dibromochloromethane	10.60	9.92	94
1,2-Dibromoethane	10.60	10.14	96
Tetrachloroethene (PCE)	10.50	10.22	97
Chlorobenzene	10.80	10.03	93
Ethylbenzene	10.60	10.04	95
m & p-Xylene	21.20	19.91	94
Bromoform	10.60	9.97	94
Styrene	10.60	10.05	95
1,1,2,2-Tetrachloroethane	10.60	9.41	89
o-Xylene	10.60	9.92	94
1,2,3-Trichloropropane	11.00	10.22	93
Isopropylbenzene (Cumene)	10.40	9.70	93
α-Pinene	10.80	8.96	83
2-Chlorotoluene	10.30	10.01	97
n-Propylbenzene	10.10	9.54	94
4-Ethyltoluene	10.40	9.73	94
1,3,5-Trimethylbenzene	10.30	9.67	94
β-Pinene	10.90	12.45	114
1,2,4-Trimethylbenzene	10.30	9.47	92
Benzyl Chloride (a-Chlorotoluene)	10.30	8.79	85
1,3-Dichlorobenzene	10.30	9.72	94
1,4-Dichlorobenzene	10.20	9.70	95
Sec-ButylBenzene	10.10	9.23	91
1,2-Dichlorobenzene	10.40	9.85	95
n-ButylBenzene	10.30	9.05	88
1,2-Dibromo-3-Chloropropane	10.30	8.71	85
1,2,4-Trichlorobenzene	10.50	8.95	85
Naphthalene	10.90	10.06	92
Hexachlorobutadiene	10.80	8.54	79

<sup>1</sup> Concentration of analyte compound in certified source standard.  
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).  
<sup>3</sup> 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 : 12/12/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-112823-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

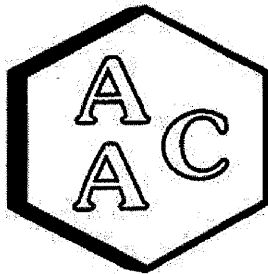
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.33	9.49	99	101	1.7
1,1-Dichloroethene	0.0	10.50	10.16	10.53	97	100	3.6
Methylene Chloride (DCM)	0.0	10.40	9.53	10.12	92	97	6.0
Benzene	0.0	10.70	10.18	9.99	95	93	1.9
Trichloroethene (TCE)	0.0	10.50	10.26	10.19	98	97	0.7
Toluene	0.0	10.80	10.27	10.13	95	94	1.4
Tetrachloroethene (PCE)	0.0	10.50	10.22	10.21	97	97	0.1
Chlorobenzene	0.0	10.80	10.03	10.17	93	94	1.4
Ethylbenzene	0.0	10.60	10.04	10.00	95	94	0.4
m & p-Xylene	0.0	21.20	19.91	19.76	94	93	0.8
o-Xylene	0.0	10.60	9.92	9.94	94	94	0.2

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 12/12/2023

INSTRUMENT ID : GC/MS-04

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

UNITS : PPB (v/v)

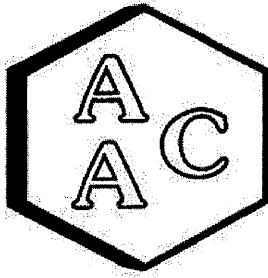
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 121223	Reporting Limit (RL)
4-BFB (surrogate standard)	97%	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 121223	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 : 12/12/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x2.09

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232538-52161

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.20	9.08	1.3
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	13.6	13.1	3.3
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	4.45	4.68	5.0
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	<SRL	<SRL	NA
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	<SRL	<SRL	NA
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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	1.65	1.55	6.5
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)





Client/Project Name SCS Engineers /  
Chiquita Canyon Landfill Air/odor Sampling

Project Location  
Valencia, CA

**ANALYSES**

Project No.

Field Logbook No.

Sampler: (Print) Alberto Lopez

(Signature)

No. Of Containers 7

Sample No./ Identification

Date

Time

Lab Sample Number

Type of Sample

M5-07

12-11/12-23

0651-0701

52450

6L Summa Canister

M5-12

12-11/12-23

0701-0715

52451

6L Summa Canister

M5-08

12-11/12-23

0707-0722

52452

6L Summa Canister

M5-09

12-11/12-23

0710-0733

52453

6L Summa Canister

M5-10

12-11/12-23

0725-0743

52454

6L Summa Canister

M5-06

12-11/12-23

0737-0800

52455

6L Summa Canister

M5-11

12-11/12-23

0759-0838

52456

6L Summa Canister

Relinquished by: (Signature)

Date 12/12/23

Time 0950

Received by: (Signature)

Relinquished by: (Signature)

Date

Time

Received for Laboratory: (Signature)

Sample Disposal Method:

Disposed of by: (Signature)

Date 12/12/23

Sample Collector

Analytical Laboratory

AAC Ventura



865 Via Lata • Colton, California 92324  
(909) 422-1001 Fax (909) 422-0707

307.91 Sulfur  
TD-15 Full List

End Pressure

Remarks  
Canister Controller

7<sup>th</sup> copy to be saved early

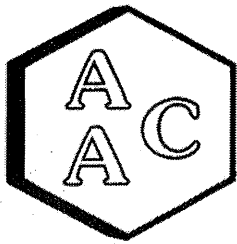
232580

Summa Canister Run Log

Date: 12-11/12-23

	Start Pressure	End Pressure	Start Time	End Time	Analyzed	Run Time
M5-07	-30 Hg	-13 Hg	0651	0701	yes	24.10
M5-12	-29 Hg	-9 Hg	0701	0715	yes	24.14
M5-08	-30 Hg	-18 Hg	0707	0722	yes	24.15
M5-09	-28 Hg	-13 Hg	0714	0733	yes	24.17
M5-10	-29 Hg	-10 Hg	0725	0743	yes	24.18
M5-06	-29 Hg	-17 Hg	0737	0800	yes	24.23
M5-11	-30 Hg	-10 Hg	0759	0838	yes	24.39

Comments:



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon Landfill Air/Odor Sampling  
AAC PROJECT NO. : 232580  
REPORT DATE : 12/15/2023

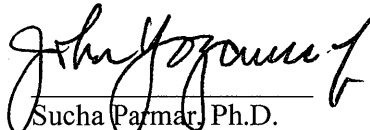
On December 12, 2023, Atmospheric Analysis & Consulting, Inc. received seven (7) Six-Liter Silonite Canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
MS-07	232580-52450	507.0
MS-12	232580-52451	574.0
MS-08	232580-52452	324.0
MS-09	232580-52453	392.5
MS-10	232580-52454	524.5
MS-06	232580-52455	331.0
MS-11	232580-52456	519.0

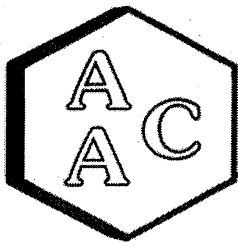
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
\_\_\_\_\_  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 5 pages.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

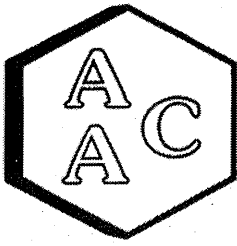
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232580  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 12/11-12/2023  
**RECEIVING DATE :** 12/12/2023  
**ANALYSIS DATE :** 12/13/2023  
**REPORT DATE :** 12/15/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	MS-12	MS-08	MS-09
AAC ID	232580-52450	232580-52451	232580-52452	232580-52453
Canister Dil. Fac.	2.0	1.8	3.2	2.6
<b>Analyte</b>	<b>Result</b>	<b>Result</b>	<b>Result</b>	<b>Result</b>
Hydrogen Sulfide	< 0.101	< 0.089	< 0.158	< 0.130
COS / SO2	< 0.101	< 0.089	< 0.158	< 0.130
Methyl Mercaptan	< 0.101	< 0.089	< 0.158	< 0.130
Ethyl Mercaptan	< 0.101	< 0.089	< 0.158	< 0.130
Dimethyl Sulfide	< 0.101	< 0.089	< 0.158	< 0.130
Carbon Disulfide	< 0.101	< 0.089	< 0.158	< 0.130
Isopropyl Mercaptan	< 0.101	< 0.089	< 0.158	< 0.130
tert-Butyl Mercaptan	< 0.101	< 0.089	< 0.158	< 0.130
n-Propyl Mercaptan	< 0.101	< 0.089	< 0.158	< 0.130
Methylethylsulfide	< 0.101	< 0.089	< 0.158	< 0.130
sec-Butyl Mercaptan / Thiophene	< 0.101	< 0.089	< 0.158	< 0.130
iso-Butyl Mercaptan	< 0.101	< 0.089	< 0.158	< 0.130
Diethyl Sulfide	< 0.101	< 0.089	< 0.158	< 0.130
n-Butyl Mercaptan	< 0.101	< 0.089	< 0.158	< 0.130
Dimethyl Disulfide	< 0.101	< 0.089	< 0.158	< 0.130
2-Methylthiophene	< 0.101	< 0.089	< 0.158	< 0.130
3-Methylthiophene	< 0.101	< 0.089	< 0.158	< 0.130
Tetrahydrothiophene	< 0.101	< 0.089	< 0.158	< 0.130
Bromothiophene	< 0.101	< 0.089	< 0.158	< 0.130
Thiophenol	< 0.101	< 0.089	< 0.158	< 0.130
Diethyl Disulfide	< 0.101	< 0.089	< 0.158	< 0.130
Total Unidentified Sulfur	< 0.101	< 0.089	< 0.158	< 0.130
Total Reduced Sulfurs	< 0.101	< 0.089	< 0.158	< 0.130

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

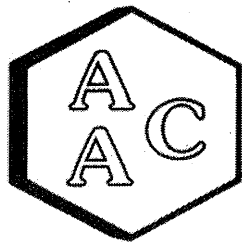
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232580  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 12/11-12/2023  
**RECEIVING DATE :** 12/12/2023  
**ANALYSIS DATE :** 12/13/2023  
**REPORT DATE :** 12/15/2023

### Total Reduced Sulfur Compounds by ASTM D-5504

Client ID	MS-10	MS-06	MS-11
AAC ID	232580-52454	232580-52455	232580-52456
Canister Dil. Fac.	1.9	3.1	2.0
Analyte	Result	Result	Result
Hydrogen Sulfide	< 0.097	< 0.154	< 0.099
COS / SO2	< 0.097	< 0.154	< 0.099
Methyl Mercaptan	< 0.097	< 0.154	< 0.099
Ethyl Mercaptan	< 0.097	< 0.154	< 0.099
Dimethyl Sulfide	< 0.097	< 0.154	< 0.099
Carbon Disulfide	< 0.097	< 0.154	< 0.099
Isopropyl Mercaptan	< 0.097	< 0.154	< 0.099
tert-Butyl Mercaptan	< 0.097	< 0.154	< 0.099
n-Propyl Mercaptan	< 0.097	< 0.154	< 0.099
Methylethylsulfide	< 0.097	< 0.154	< 0.099
sec-Butyl Mercaptan / Thiophene	< 0.097	< 0.154	< 0.099
iso-Butyl Mercaptan	< 0.097	< 0.154	< 0.099
Diethyl Sulfide	< 0.097	< 0.154	< 0.099
n-Butyl Mercaptan	< 0.097	< 0.154	< 0.099
Dimethyl Disulfide	< 0.097	< 0.154	< 0.099
2-Methylthiophene	< 0.097	< 0.154	< 0.099
3-Methylthiophene	< 0.097	< 0.154	< 0.099
Tetrahydrothiophene	< 0.097	< 0.154	< 0.099
Bromothiophene	< 0.097	< 0.154	< 0.099
Thiophenol	< 0.097	< 0.154	< 0.099
Diethyl Disulfide	< 0.097	< 0.154	< 0.099
Total Unidentified Sulfur	< 0.097	< 0.154	< 0.099
Total Reduced Sulfurs	< 0.097	< 0.154	< 0.099

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report ASTM D-5504

Date Analyzed: 12/13/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SS1289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	866	0.498	99.7	0.3
Duplicate	880	0.506	101.3	1.9
Triplicate	845	0.486	97.3	2.2

0.548 ppbV MeSH (SS1289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	908	0.552	100.8	0.1
Duplicate	876	0.532	97.2	3.4
Triplicate	937	0.569	104.0	3.3

0.479 ppbV DMS (SS1289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	830	0.457	95.5	3.9
Duplicate	898	0.495	103.4	4.1
Triplicate	862	0.475	99.2	0.2

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

Sample ID x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.237	0.238	94.8	95.2	0.4
MeSH	<PQL	0.274	0.283	0.286	103.4	104.5	1.1
DMS	<PQL	0.240	0.252	0.234	105.2	97.7	7.4

### Closing Calibration Verification Standard

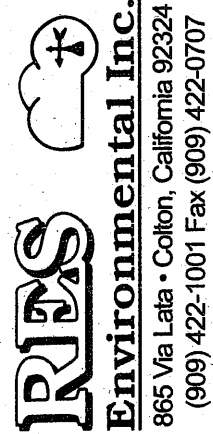
Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.510	102.1
MeSH	0.548	0.574	104.8
DMS	0.479	0.483	100.8

\* 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

Client/Project Name <i>JCS Engineers / Chiquita Canyon Landfill Air/odor Sampling</i>		Project Location <i>Valencia, CA</i>		<b>ANALYSES</b>	
Project No.		Field Logbook No.			
Sampler: (Print) <i>Alberto Lopez</i>		(Signature) <i>[Signature]</i>		No. of Containers <i>7</i>	
Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Remarks
M5-07	12-11/12-23	0651-0701	52450	6L Summa Canister	-13Hg, 001957 / 19512
M5-12	12-11/12-23	0701-0715	52451	6L Summa Canister	-7Hg, 001934 / 000979
M5-08	12-11/12-23	0707-0722	52452	6L Summa Canister	-18Hg, 001825 / 19596
M5-09	12-11/12-23	0710-0733	52453	6L Summa Canister	-13Hg, 001940 / 19594
M5-10	12-11/12-23	0725-0743	52454	6L Summa Canister	-10Hg, 001826 / 19504
M5-06	12-11/12-23	0737-0800	52455	6L Summa Canister	-17Hg, 001937 / 19505
M5-11	12-11/12-23	0759-0838	52456	6L Summa Canister	-10Hg, 001851 / 19506
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature)	Date
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	Date
Relinquished by: (Signature)		Date	Time	Received for Laboratory: (Signature)	Date
Sample Disposal Method:		Disposed of by: (Signature)			
Sample Collector		Analytical Laboratory			
		<i>AAC Ventura</i>			



*7- copy to the record book*

232580

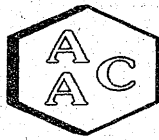
## Summa Canister Run Log

Date: 12-11/12-23

	Start Pressure	End Pressure	Start Time	End Time	Analyzed	Run Time
M5-07	-30 Hg	-13 Hg	0651	0701	yes	24.10
M5-12	-29 Hg	-9 Hg	0701	0715	yes	24.14
M5-08	-30 Hg	-18 Hg	0707	0722	yes	24.15
M5-09	-28 Hg	-13 Hg	0714	0733	yes	24.17
M5-10	-29 Hg	-10 Hg	0725	0743	yes	24.18
M5-06	-29 Hg	-17 Hg	0737	0800	yes	24.23
M5-11	-30 Hg	-10 Hg	0759	0838	yes	24.39

Comments:





### SAMPLE RECEIPT / LOG-IN REPORT

Client Name: SCS Engineers

Project Name: Chiquita Canyon Landfill Air/Odor Sampling

AAC Project No.: 232580

Sampled By: Client

Received By: G. Ruelas

Turn Around Time: 72 Hours

Lab Due Date: 12/15/2023

Final Due Date: 12/15/2023

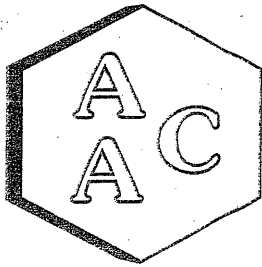
<u>Sample Receipt Date Time</u>	<u>Clients ID</u>	<u>Sampling Date/Time</u>	<u>Sample #</u>	<u>Matrix</u>	<u>Analysis Requested</u>
12/12/2023 0951	MS-07	12/11-12/12/2 023 0651-0701	52450	Silonite Canister	SCAQMD 307.91 TO15
12/12/2023 0951	MS-12	12/11-12/12/2 023 0701-0715	52451	Silonite Canister	SCAQMD 307.91 TO15
12/12/2023 0951	MS-08	12/11-12/12/2 023 0707-0722	52452	Silonite Canister	SCAQMD 307.91 TO15
12/12/2023 0951	MS-09	12/11-12/12/2 023 0716-0733	52453	Silonite Canister	SCAQMD 307.91 TO15
12/12/2023 0951	MS-10	12/11-12/12/2 023 0725-0743	52454	Silonite Canister	SCAQMD 307.91 TO15
12/12/2023 0951	MS-06	12/11-12/12/2 023 0737-0800	52455	Silonite Canister	SCAQMD 307.91 TO15
12/12/2023 0951	MS-11	12/11-12/12/2 023 0759-0838	52456	Silonite Canister	SCAQMD 307.91 TO15

**REMARKS:**

Client returned 7x cans + 7x coated Entechs.

Total Samples: 7

## Grab Sample Data



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon  
PROJECT NO. : 01204123.21 Task 22  
AAC PROJECT NO. : 231751  
REPORT DATE : 09/08/2023

On September 5, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

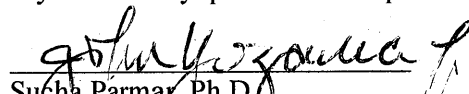
Client ID	Lab ID	Client ID	Lab ID
MS10_0905	231751-48426	MS09_0905	231751-48434
MS06_0905	231751-48427	S End Lincoln_0905	231751-48435
MS11_0905	231751-48428	MS07_0905	231751-48436
MS08_0905	231751-48429	SCV_0905	231751-48437
Active_0905	231751-48430	MS05_0905	231751-48438
Chiquito_0905	231751-48431	MS02_0905	231751-48439
MS12_0905	231751-48432	MS03_0905	231751-48440
Rxn_0905	231751-48433	MS04_0905	231751-48441

**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.aacalab.com](http://www.aacalab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

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

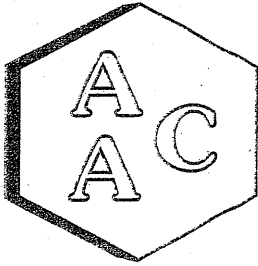
If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 27 pages.

Page 1





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

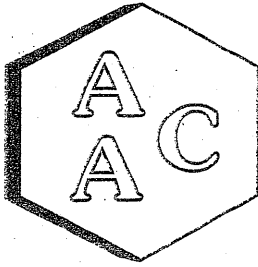
CLIENT : SCS Engineers  
 PROJECT NO : 231751  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/05/2023  
 DATE REPORTED : 09/08/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS10 0905			Sample Reporting Limit (SRL) (MRLxDF's)	MS06 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231751-48426				231751-48427				
Date Sampled		09/05/2023			09/05/2023					
Date Analyzed		09/06/2023			09/06/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	0.52		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	0.55		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	37.0		1	5.00	39.0		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	35.1		1	2.00	37.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	13.2		1	2.00	13.8		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.08		1	2.00	7.54		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.06		1	1.00	1.41		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.63		1	0.50	0.71		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.88		1	0.50	0.99		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

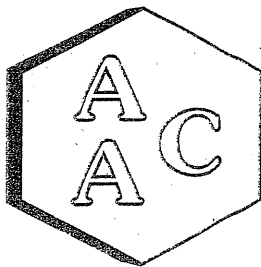
**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS10 0905			Sample Reporting Limit (SRL) (MRLxDF's)	MS06 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231751-48426				231751-48427				
Date Sampled		09/05/2023				09/05/2023				
Date Analyzed		09/06/2023				09/06/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.56		1	0.50	0.64		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	13.6		1	0.50	19.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	1.19		1	1.00	1.55		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	0.51		1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	0.65		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			99%				99%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

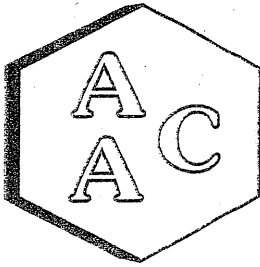
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS11 0905			Sample Reporting Limit (SRL) (MRLxDF's)	MS08 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231751-48428				231751-48429				
<i>Date Sampled</i>		09/05/2023			09/05/2023					
<i>Date Analyzed</i>		09/06/2023			09/06/2023					
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52	U	1	0.50	0.55	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	0.55	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	38.4	U	1	5.00	33.8	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	41.5	U	1	2.00	36.9	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.6	U	1	2.00	13.2	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	9.66	U	1	2.00	6.27	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	1.07	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.46	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.81	U	1	0.50	0.74	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	1.19	U	1	0.50	0.83	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

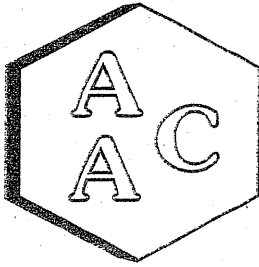
**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS11 0905			Sample Reporting Limit (SRL) (MRLxDF's)	MS08 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231751-48428				231751-48429				
Date Sampled		09/05/2023				09/05/2023				
Date Analyzed		09/06/2023				09/06/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.77		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	17.7		1	0.50	13.7		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	1.60		1	1.00	1.28		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	0.51		1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	0.62		1	0.50	0.50		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		100%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

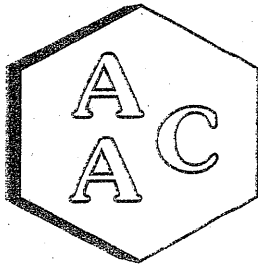
**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Active 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231751-48430				231751-48431				
Date Sampled		09/05/2023				09/05/2023				
Date Analyzed		09/06/2023				09/06/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF							
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	1.69		1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.58		1	0.50	0.53		1	0.50	0.50	
Chloromethane	0.60		1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	27.5		1	5.00	22.6		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	34.8		1	2.00	59.0		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	17.4		1	2.00	2.00	
Trichlorofluoromethane	0.88		1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	7.11		1	2.00	9.45		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	1.34		1	1.00	1.00		1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	2.52		1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	0.69		1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.15		1	0.50	0.92		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	1.95		1	0.50	0.92		1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

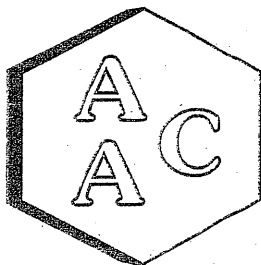
**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Active 0905			Sample Reporting Limit (SRL) (MRL×DF's)	Chiquito 0905			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID		231751-48430				231751-48431				
Date Sampled		09/05/2023				09/05/2023				
Date Analyzed		09/06/2023				09/06/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.59		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	0.55		1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	13.3		1	0.50	13.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	1.16		1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			100%				96%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

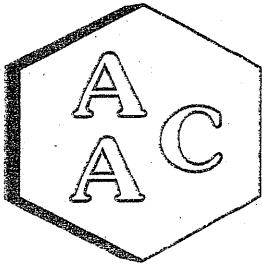
CLIENT : SCS Engineers  
 PROJECT NO : 231751  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/05/2023  
 DATE REPORTED : 09/08/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS12 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Rxn 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231751-48432				231751-48433				
Date Sampled		09/05/2023				09/05/2023				
Date Analyzed		09/06/2023				09/06/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	58.0		1	1.00	1.00	
Dichlorodifluoromethane	0.58		1	0.50	0.57		1	0.50	0.50	
Chloromethane	0.66		1	0.50	0.57		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	39.6		1	5.00	210		10	50.0	5.00	
1,3-Butadiene	<SRL	U	1	0.50	0.80		1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	81.0		1	2.00	153		10	20.0	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	18.1		1	2.00	87.0		10	20.0	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	11.7		1	2.00	80.2		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	0.59		1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	1.17		1	1.00	1.17		1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	3.98		1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.10		1	1.00	87.1		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	1.67		1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.81		1	0.50	9.30		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	73.0		10	5.00	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.97		1	0.50	94.1		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

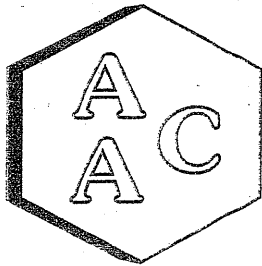
**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS12 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Rxn 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231751-48432				231751-48433				
<i>Date Sampled</i>		09/05/2023				09/05/2023				
<i>Date Analyzed</i>		09/06/2023				09/06/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	0.80		1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	6.69		1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	13.6		1	0.50	25.0		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	1.26		1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	5.89		1	0.50	0.50	
m & p-Xylene	1.53		1	1.00	6.21		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	1.08		1	0.50	1.80		1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	0.58		1	0.50	2.46		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
<b>BFB-Surrogate Std. % Recovery</b>		<b>99%</b>				<b>103%</b>			<b>70-130%</b>	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

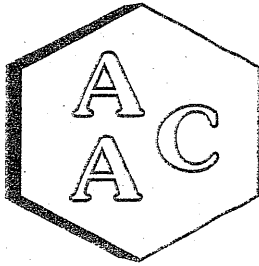
CLIENT : SCS Engineers  
 PROJECT NO : 231751  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/05/2023  
 DATE REPORTED : 09/08/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS09 0905			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	S End Lincoln 0905			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		231751-48434				231751-48435				
<i>Date Sampled</i>		09/05/2023				09/05/2023				
<i>Date Analyzed</i>		09/07/2023				09/07/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	0.52	U	1	0.50	0.50	
Chloromethane	0.64		1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	35.1		1	5.00	27.5		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	37.1		1	2.00	61.3		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	15.7		1	2.00	12.9		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.07		1	2.00	8.46		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	1.09		1	1.00	1.05		1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.14		1	1.00	1.56		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.81		1	0.50	1.05		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.89		1	0.50	0.88		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231751  
 MATRIX : AIR  
 UNITS : PPB (v/v)

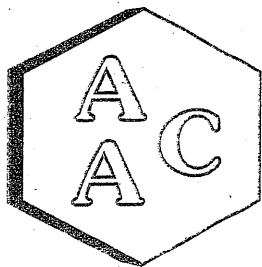
DATE RECEIVED : 09/05/2023  
 DATE REPORTED : 09/08/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS09 0905			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231751-48434				231751-48435				
<i>Date Sampled</i>		09/05/2023				09/05/2023				
<i>Date Analyzed</i>		09/07/2023				09/07/2023				
<i>Can Dilution Factor</i>		1.00				1.00				
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.79		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	15.6		1	0.50	13.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	1.12		1	1.00	1.16		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	0.58		1	0.50	0.67		1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
<b>BFB-Surrogate Std. % Recovery</b>		<b>98%</b>				<b>100%</b>			<b>70-130%</b>	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

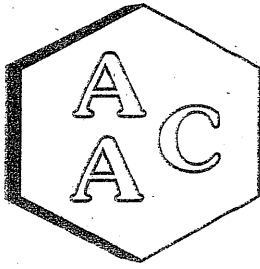
CLIENT : SCS Engineers  
 PROJECT NO : 231751  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/05/2023  
 DATE REPORTED : 09/08/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS07 0905			Sample Reporting Limit (SRL) (MRLxDF's)	SCV 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231751-48436				231751-48437				
<i>Date Sampled</i>		09/05/2023				09/05/2023				
<i>Date Analyzed</i>		09/07/2023				09/07/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	27.5	U	1	5.00	24.2	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	56.0	U	1	2.00	27.4	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	12.9	U	1	2.00	15.5	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.56	U	1	2.00	9.61	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	1.01	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.40	U	1	1.00	1.00	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.96	U	1	0.50	0.66	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.95	U	1	0.50	0.67	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

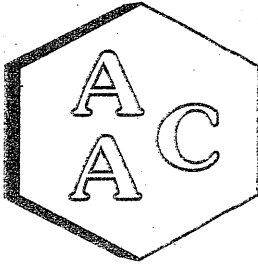
**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS07 0905			<b>Sample Reporting Limit (SRL)</b> (MRLxDF's)	SCV 0905			<b>Sample Reporting Limit (SRL)</b> (MRLxDF's)	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		231751-48436				231751-48437				
<i>Date Sampled</i>		09/05/2023				09/05/2023				
<i>Date Analyzed</i>		09/07/2023				09/07/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>		<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.51		1	0.50	0.72		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	0.80		1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	14.7		1	0.50	14.3		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	1.17		1	1.00	1.00		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	0.60		1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
<b>BFB-Surrogate Std. % Recovery</b>		99%			100%			70-130%		

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231751  
 MATRIX : AIR  
 UNITS : PPB (v/v)

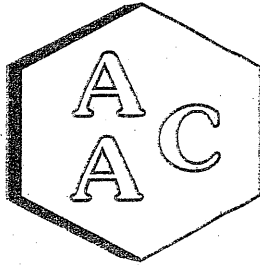
DATE RECEIVED : 09/05/2023  
 DATE REPORTED : 09/08/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS05 0905			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	MS02 0905			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		231751-48438				231751-48439				
<i>Date Sampled</i>		09/05/2023			09/05/2023					
<i>Date Analyzed</i>		09/07/2023			09/07/2023					
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	0.54	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	31.4		1	5.00	23.4		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	32.4		1	2.00	28.1		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	12.6		1	2.00	13.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	7.02		1	2.00	6.51		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.44		1	1.00	1.13		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.72		1	0.50	0.59		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	2.30		1	0.50	0.94		1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

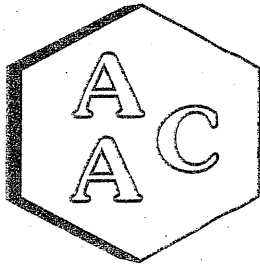
**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS05 0905			Sample Reporting Limit (SRL) (MRLxDF's)	MS02 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231751-48438				231751-48439				
<i>Date Sampled</i>		09/05/2023				09/05/2023				
<i>Date Analyzed</i>		09/07/2023				09/07/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.56	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	17.7	U	1	0.50	13.0	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	1.14	U	1	1.00	1.05	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	0.59	U	1	0.50	0.59	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		99%			99%				70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

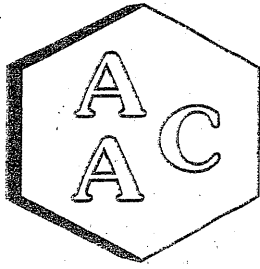
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231751  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/05/2023  
**DATE REPORTED :** 09/08/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS03 0905			<i>Sample Reporting Limit (SRL)</i>			MS04 0905			<i>Sample Reporting Limit (SRL)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		231751-48440			231751-48441							
<i>Date Sampled</i>		09/05/2023			09/05/2023			09/05/2023				
<i>Date Analyzed</i>		09/07/2023			09/07/2023			09/07/2023				
<i>Can Dilution Factor</i>		1.00			1.00			1.00				
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>	<i>(MRLxDF's)</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>	<i>(MRLxDF's)</i>				
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Propene	<SRL	U	1	1.00	6.63		1	1.00	1.00	1.00		
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Methanol	23.5		1	5.00	25.1		1	5.00	5.00	5.00		
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Ethanol	27.8		1	2.00	33.5		1	2.00	2.00	2.00		
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Acetone	14.2		1	2.00	28.0		1	2.00	2.00	2.00		
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
2-Propanol (IPA)	7.86		1	2.00	9.30		1	2.00	2.00	2.00		
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Methylene Chloride (DCM)	1.05		1	1.00	<SRL	U	1	1.00	1.00	1.00		
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00		
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	2.00		
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00		
2-Butanone (MEK)	<SRL	U	1	1.00	1.40		1	1.00	1.00	1.00		
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Hexane	<SRL	U	1	0.50	0.53		1	0.50	0.50	0.50		
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Ethyl Acetate	0.74		1	0.50	0.72		1	0.50	0.50	0.50		
Tetrahydrofuran	<SRL	U	1	0.50	1.17		1	0.50	0.50	0.50		
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50		
Benzene	1.21		1	0.50	4.64		1	0.50	0.50	0.50		





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231751  
 MATRIX : AIR  
 UNITS : PPB (v/v)

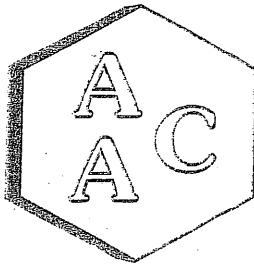
DATE RECEIVED : 09/05/2023  
 DATE REPORTED : 09/08/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS03 0905			Sample Reporting Limit (SRL) (MRLxDF's)	MS04 0905			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231751-48440				231751-48441				
Date Sampled		09/05/2023			09/05/2023					
Date Analyzed		09/07/2023			09/07/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	1.00		1	0.50	0.79		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	18.1		1	0.50	15.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	0.87		1	0.50	0.50	
m & p-Xylene	1.09		1	1.00	1.56		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	0.59		1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	0.50		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		99%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/06/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02  
 CALIBRATION STD ID : MSI-061523-01  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 08/21/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.60	9.18	96
Chlorodifluoromethane	10.40	10.18	98
Propene	10.60	10.17	96
Dichlorodifluoromethane	10.40	10.56	102
Dimethyl Ether	10.20	9.24	91
Chloromethane	10.40	9.65	93
Dichlorotetrafluoroethane	10.30	10.69	104
Vinyl Chloride	10.50	10.34	98
Acetaldehyde	21.10	25.45	121
Methanol	18.80	19.57	104
1,3-Butadiene	10.60	9.91	93
Bromomethane	10.40	10.29	99
Chloroethane	10.30	9.67	94
Dichlorofluoromethane	10.20	10.12	99
Ethanol	11.20	10.86	97
Vinyl Bromide	10.10	10.16	101
Acrolein	11.10	9.52	86
Acetone	10.60	9.78	92
Trichlorofluoromethane	10.50	10.14	97
2-Propanol (IPA)	11.00	10.19	93
Acrylonitrile	11.20	10.25	92
1,1-Dichloroethene	10.40	9.94	96
Methylene Chloride (DCM)	10.50	10.15	97
TertButanol (TBA)	11.10	9.97	90
Allyl Chloride	10.20	9.35	92
Carbon Disulfide	10.50	9.80	93
Trichlorotrifluoroethane	10.40	10.75	103
trans-1,2-Dichloroethene	10.60	9.91	93
1,1-Dichloroethane	10.50	9.69	92
Methyl Tert Butyl Ether (MTBE)	10.50	9.04	86
Vinyl Acetate	11.00	10.21	93
2-Butanone (MEK)	10.60	9.54	90
cis-1,2-Dichloroethene	10.50	9.81	93
Hexane	10.70	9.74	91
Chloroform	10.60	9.92	94
Ethyl Acetate	10.60	10.00	94
Tetrahydrofuran	10.20	9.38	92
1,2-Dichloroethane	10.50	9.93	95
1,1,1-Trichloroethane	10.40	9.63	93
Benzene	10.60	10.08	95
Carbon Tetrachloride	10.20	9.58	94
Cyclohexane	10.50	9.72	93

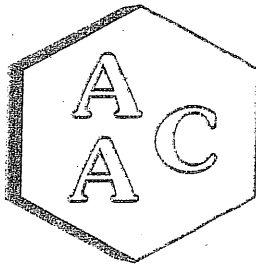
Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	10.19	97
Bromodichloromethane	10.40	10.01	96
1,4-Dioxane	10.40	9.63	93
Trichloroethene (TCE)	10.40	9.59	92
2,2,4-Trimethylpentane	10.00	9.72	97
Methyl Methacrylate	11.00	10.29	94
Heptane	10.50	10.07	96
cis-1,3-Dichloropropene	10.40	10.09	97
4-Methyl-2-pentanone (MIBK)	10.40	9.64	93
trans-1,3-Dichloropropene	10.50	10.00	95
1,1,2-Trichloroethane	10.50	10.09	96
Toluene	10.60	10.16	96
2-Hexanone (MBK)	10.50	10.29	98
Dibromochloromethane	10.30	9.95	97
1,2-Dibromoethane	10.60	10.28	97
Tetrachloroethene (PCE)	10.40	10.09	97
Chlorobenzene	10.60	10.13	96
Ethylbenzene	10.50	10.73	102
m & p-Xylene	21.00	20.68	98
Bromoform	10.50	10.56	101
Styrene	10.50	10.70	102
1,1,2,2-Tetrachloroethane	10.50	9.25	88
o-Xylene	10.50	10.46	100
1,2,3-Trichloropropane	11.00	10.51	96
Isopropylbenzene (Cumene)	10.30	10.53	102
α-Pinene	10.70	8.88	83
2-Chlorotoluene	10.30	9.81	95
n-Propylbenzene	10.10	10.35	102
4-Ethyltoluene	10.30	10.93	106
1,3,5-Trimethylbenzene	10.30	10.59	103
β-Pinene	11.00	8.63	78
1,2,4-Trimethylbenzene	10.30	10.66	103
Benzyl Chloride (a-Chlorotoluene)	10.40	10.74	103
1,3-Dichlorobenzene	10.40	10.96	105
1,4-Dichlorobenzene	10.30	10.47	102
Sec-Butylbenzene	10.10	10.51	104
1,2-Dichlorobenzene	10.60	10.74	101
n-Butylbenzene	10.20	10.67	105
1,2-Dibromo-3-Chloropropane	10.10	10.02	99
1,2,4-Trichlorobenzene	11.00	10.35	94
Naphthalene	11.50	10.41	91
Hexachlorobutadiene	11.00	10.76	98

<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/06/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02

CALIBRATION STD ID : MSI-061523-01

ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

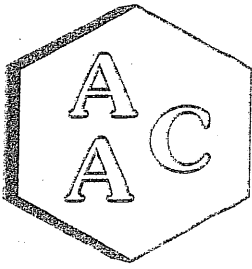
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.60	9.18	9.15	96	95	0.3
1,1-Dichloroethene	0.0	10.40	9.94	9.79	96	94	1.5
Methylene Chloride (DCM)	0.0	10.50	10.15	10.08	97	96	0.7
Benzene	0.0	10.60	10.08	10.04	95	95	0.4
Trichloroethene (TCE)	0.0	10.40	9.59	9.72	92	93	1.3
Toluene	0.0	10.60	10.16	10.13	96	96	0.3
Tetrachloroethene (PCE)	0.0	10.40	10.09	10.26	97	99	1.7
Chlorobenzene	0.0	10.60	10.13	10.10	96	95	0.3
Ethylbenzene	0.0	10.50	10.73	10.41	102	99	3.0
m & p-Xylene	0.0	21.00	20.68	20.66	98	98	0.1
o-Xylene	0.0	10.50	10.46	10.37	100	99	0.9

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 09/06/2023

INSTRUMENT ID : GC/MS-02

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL/CH

UNITS : PPB (v/v)

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

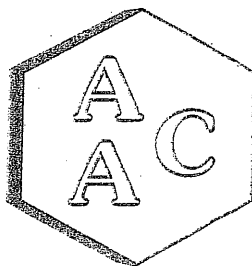
Method Blank Analysis

Analyte Compounds	MB 090623	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	1.0
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	1.0
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 090623	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	1.0
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	2.0
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (α-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 : 09/06/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02

ANALYST : DL/CH

DILUTION FACTOR<sup>1</sup> : x8673.76

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 231684-48168

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	8.67	8.85	2.1
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	<SRL	NA
Methanol	1050000	1020000	3.5
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

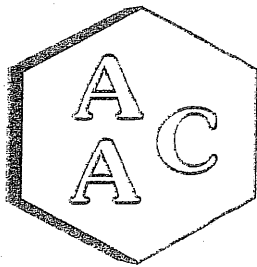
Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> 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 : 09/07/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02  
 CALIBRATION STD ID : MS1-061523-01  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 08/21/2023 Calibration

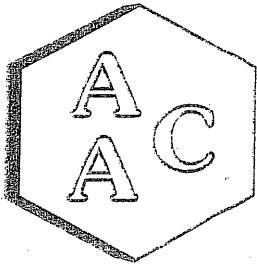
Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.60	9.02	94
Chlorodifluoromethane	10.40	9.61	92
Propene	10.60	9.43	89
Dichlorodifluoromethane	10.40	9.81	94
Dimethyl Ether	10.20	8.53	84
Chloromethane	10.40	9.08	87
Dichlorotetrafluoroethane	10.30	10.15	99
Vinyl Chloride	10.50	10.02	95
Acetaldehyde	21.10	24.48	116
Methanol	18.80	19.50	104
1,3-Butadiene	10.60	10.14	96
Bromomethane	10.40	9.94	96
Chloroethane	10.30	9.30	90
Dichlorofluoromethane	10.20	9.62	94
Ethanol	11.20	9.74	87
Vinyl Bromide	10.10	9.66	96
Acrolein	11.10	9.32	84
Acetone	10.60	9.50	90
Trichlorofluoromethane	10.50	9.66	92
2-Propanol (IPA)	11.00	10.11	92
Acrylonitrile	11.20	9.97	89
1,1-Dichloroethene	10.40	9.59	92
Methylene Chloride (DCM)	10.50	9.75	93
TertButanol (TBA)	11.10	9.93	89
Allyl Chloride	10.20	8.95	88
Carbon Disulfide	10.50	9.40	90
Trichlorotrifluoroethane	10.40	9.55	92
trans-1,2-Dichloroethene	10.60	9.49	90
1,1-Dichloroethane	10.50	9.18	87
Methyl Tert Butyl Ether (MTBE)	10.50	8.56	82
Vinyl Acetate	11.00	9.71	88
2-Butanone (MEK)	10.60	9.47	89
cis-1,2-Dichloroethene	10.50	9.34	89
Hexane	10.70	9.53	89
Chloroform	10.60	9.58	90
Ethyl Acetate	10.60	9.47	89
Tetrahydrofuran	10.20	9.17	90
1,2-Dichloroethane	10.50	9.20	88
1,1,1-Trichloroethane	10.40	9.34	90
Benzene	10.60	9.56	90
Carbon Tetrachloride	10.20	9.26	91
Cyclohexane	10.50	9.25	88

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	9.66	92
Bromodichloromethane	10.40	9.67	93
1,4-Dioxane	10.40	9.37	90
Trichloroethene (TCE)	10.40	9.24	89
2,2,4-Trimethylpentane	10.00	9.37	94
Methyl Methacrylate	11.00	10.38	94
Heptane	10.50	9.46	90
cis-1,3-Dichloropropene	10.40	9.61	92
4-Methyl-2-pentanone (MIBK)	10.40	9.26	89
trans-1,3-Dichloropropene	10.50	9.60	91
1,1,2-Trichloroethane	10.50	9.60	91
Toluene	10.60	9.85	93
2-Hexanone (MBK)	10.50	9.83	94
Dibromochloromethane	10.30	9.80	95
1,2-Dibromoethane	10.60	10.08	95
Tetrachloroethene (PCE)	10.40	9.88	95
Chlorobenzene	10.60	9.77	92
Ethylbenzene	10.50	10.13	96
m & p-Xylene	21.00	20.11	96
Bromoform	10.50	10.23	97
Styrene	10.50	10.17	97
1,1,2,2-Tetrachloroethane	10.50	9.09	87
o-Xylene	10.50	10.06	96
1,2,3-Trichloropropane	11.00	10.10	92
Isopropylbenzene (Cumene)	10.30	9.97	97
α-Pinene	10.70	8.59	80
2-Chlorotoluene	10.30	9.71	94
n-Propylbenzene	10.10	10.38	103
4-Ethyltoluene	10.30	10.45	101
1,3,5-Trimethylbenzene	10.30	10.12	98
β-Pinene	LR	6.85	62
1,2,4-Trimethylbenzene	10.30	10.28	100
Benzyl Chloride (α-Chlorotoluene)	10.40	10.42	100
1,3-Dichlorobenzene	10.40	10.65	102
1,4-Dichlorobenzene	10.30	10.04	97
Sec-ButylBenzene	10.10	10.25	101
1,2-Dichlorobenzene	10.60	10.47	99
n-ButylBenzene	10.20	10.21	100
1,2-Dibromo-3-Chloropropane	10.10	9.70	96
1,2,4-Trichlorobenzene	11.00	10.35	94
Naphthalene	11.50	10.58	92
Hexachlorobutadiene	11.00	10.60	96

<sup>1</sup> Concentration of analyte compound in certified source standard.  
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).  
<sup>3</sup> The acceptable range for analyte recovery is 100±30%.  
 LR - Recovery for this compound was low. Results should be considered estimated.







# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/07/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02

CALIBRATION STD ID : MS1-061523-01

ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

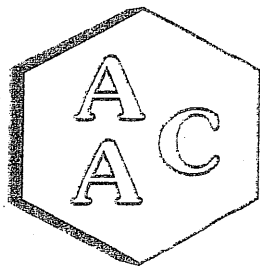
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.60	9.02	9.05	94	94	0.3
1,1-Dichloroethene	0.0	10.40	9.59	9.87	92	95	2.9
Methylene Chloride (DCM)	0.0	10.50	9.75	9.98	93	95	2.3
Benzene	0.0	10.60	9.56	9.81	90	93	2.6
Trichloroethene (TCE)	0.0	10.40	9.24	9.40	89	90	1.7
Toluene	0.0	10.60	9.85	9.74	93	92	1.1
Tetrachloroethene (PCE)	0.0	10.40	9.88	9.95	95	96	0.7
Chlorobenzene	0.0	10.60	9.77	9.84	92	93	0.7
Ethylbenzene	0.0	10.50	10.13	10.23	96	97	1.0
m & p-Xylene	0.0	21.00	20.11	20.13	96	96	0.1
o-Xylene	0.0	10.50	10.06	10.05	96	96	0.1

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 09/07/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02  
 ANALYST : DL/CH

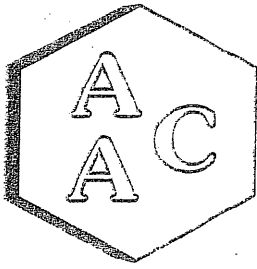
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 090723	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	1.0
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	1.0
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 090723	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	1.0
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	2.0
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (α-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 : 09/07/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02

ANALYST : DL/CH

DILUTION FACTOR<sup>1</sup> : x5.94

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 231690-48182

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	8.32	8.85	6.2
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	<SRL	NA
Methanol	<SRL	<SRL	NA
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	<SRL	<SRL	NA
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	22.4	22.9	2.4
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 <sup>2</sup>
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 (α-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

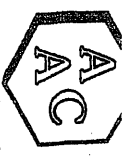
<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



231751



**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 Name: **Chiquita Canyon** Analysis Requested

Project Manager Name: **Paul Schafer** Project Number: **01204123.21 Task 22** Send Report To (Name/Email/Address)

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

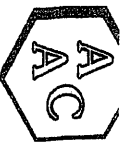
Sampler Name: **Armando Hurtado** Signature: *Armando Hurtado*

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?	LAB USE ONLY
MS10-0905	48426	9/5	10:15	Yellow 1	X	<input type="checkbox"/> Yes <input type="checkbox"/> No	Sample Received via: <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> Other Temperature: _____ °C (Thermometer ID: _____) Initials: _____ Returned Equip: _____ Total cans: _____ Unused cans: _____ Flow Controllers: _____
MS06-0905	48427		10:43		X		
MS11-0905	48428		11:05		X		
MS08-0905	48429		9:51		X		
Active-0905	48430		8:37		X		
Chiquita-0905	48431		9:24		X		
MS12-0905	48432		9:44		X		
Rxn-0905	48433		7:58		X		
MS09-0905	48434		10:04		X		
MS End Lincoln-0905	48435		9:35		X		
MS07-0905	48436		9:15		X		
SCV-0905	48437		7:10		X		

Client Notes/Special Instructions:

Relinquished By: **Armando Hurtado** Date: **9/5/23** Received By: **Zachary Smith** Date: **9/5/23**  
 Signature: *Armando Hurtado* Print: Signature: *Zachary Smith*  
 Relinquished By: **Armando Hurtado** Date: **11:17** Received By: **Armando Hurtado** Date: **11/14**  
 Signature: *Armando Hurtado* Print: Signature: *Armando Hurtado*

231251



**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@aacalab.com • 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
 SCS Engineers  
 Project Manager Name  
 Paul Schaffer

**Project Name**  
 Chivita Canyon  
 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: Paul Schaffer

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty
MS05-0905	Y8Y38	9/5	8:50	Redux 1
MS02-0905	Y8Y29		8:19	
MS03-0905	Y8Y40		7:23	
MS04-0905	Y8Y41		7:47	

Client Notes/Special Instructions:

**Relinquished By**  
 Print: Armando Hurtado  
 Signature: Armando Hurtado

**Relinquished By**  
 Print: \_\_\_\_\_  
 Signature: \_\_\_\_\_

Analysis Requested

30721  
 SOI for Fall list  
 TO-15

AAC Project No.:

Send Report To (Name/Email/Address)

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 Equip: \_\_\_\_\_

Total Fans: \_\_\_\_\_

Unused cans: \_\_\_\_\_

Flow controllers: \_\_\_\_\_

**EDD?**  
 Yes  
 No

**Date** 9/15/23

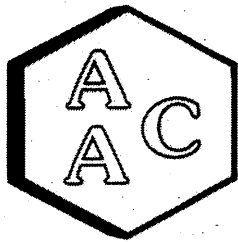
**Received By**  
 Print: Zachary Smith  
 Signature: \_\_\_\_\_

**Date** 9/5/23

**Received By**  
 Print: \_\_\_\_\_  
 Signature: \_\_\_\_\_

**LAB USE ONLY**

Notes:



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita Canyon  
PROJECT NUMBER : 01204123.21 Task 22  
AAC PROJECT NO. : 231751  
REPORT DATE : 09/07/2023

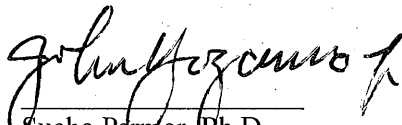
On September 5<sup>th</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No
MS10_0905	231751-48426	MS09_0905	231751-48434
MS06_0905	231751-48427	S End Lincoln_0905	231751-48435
MS11_0905	231751-48428	MS07_0905	231751-48436
MS08_0905	231751-48429	SCV_0905	231751-48437
Active_0905	231751-48430	MS05_0905	231751-48438
Chiquito_0905	231751-48431	MS02_0905	231751-48439
MS12_0905	231751-48432	MS03_0905	231751-48440
Rxn_0905	231751-48433	MS04_0905	231751-48441

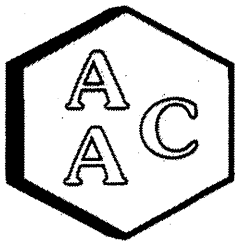
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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.



# Atmospheric Analysis & Consulting, Inc

## LABORATORY ANALYSIS REPORT

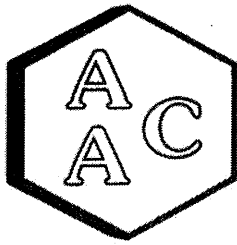
CLIENT : SCS Engineers  
 PROJECT NO. : 231751  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/05/2023  
 RECEIVING DATE : 09/05/2023  
 ANALYSIS DATE : 09/05-06/2023  
 REPORT DATE : 09/07/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS10 0905	MS06 0905	MS11 0905	MS08 0905	Active 0905	Chiquito 0905
AAC ID	231751-48426	231751-48427	231751-48428	231751-48429	231751-48430	231751-48431
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

CLIENT : SCS Engineers  
 PROJECT NO. : 231751  
 MATRIX : AIR  
 UNITS : ppmv

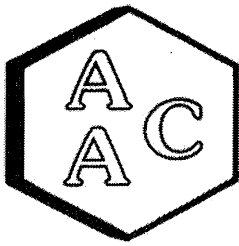
SAMPLING DATE : 09/05/2023  
 RECEIVING DATE : 09/05/2023  
 ANALYSIS DATE : 09/05-06/2023  
 REPORT DATE : 09/07/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS12 0905	Rxn 0905	MS09 0905	S End Lincoln 0905	MS07 0905	SCV 0905
AAC ID	231751-48432	231751-48433	231751-48434	231751-48435	231751-48436	231751-48437
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	0.067	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	0.026	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	0.215	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	0.308	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.





# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

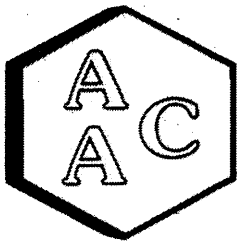
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 231751  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 09/05/2023  
**RECEIVING DATE :** 09/05/2023  
**ANALYSIS DATE :** 09/06/2023  
**REPORT DATE :** 09/07/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS05 0905	MS02 0905	MS03 0905	MS04 0905
AAC ID	231751-48438	231751-48439	231751-48440	231751-48441
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/5/2023  
 Analyst: KM  
 Units: ppbV

Instrument ID: SCD#10  
 Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1813	492	98.4	0.6
Duplicate	1850	502	100.4	1.4
Triplicate	1810	491	98.3	0.8

*547.5 ppbV MeSH (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2460	570	104.2	3.3
Duplicate	2333	541	98.8	2.0
Triplicate	2348	545	99.5	1.4

*479.0 ppbV DMS (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2635	498	104.0	1.2
Duplicate	2530	478	99.9	2.9
Triplicate	2650	501	104.6	1.7

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28941

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

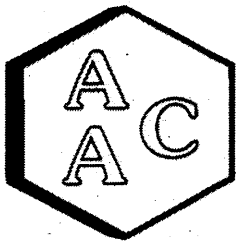
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	240.6	244.7	96.3	97.9	1.7
MeSH	<PQL	273.8	263.5	248.2	96.3	90.7	6.0
DMS	<PQL	239.5	248.3	252.2	103.7	105.3	1.5

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	519.6	104.0
MeSH	547.5	550.4	100.5
DMS	479.0	507.5	105.9

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro ssAS

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



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/5/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID: SCD-BTU  
 Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	866	0.498	99.7	0.7
Duplicate	857	0.493	98.7	0.3
Triplicate	857	0.493	98.7	0.4

0.548 ppbV H<sub>2</sub>S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	867	0.527	96.2	1.4
Duplicate	874	0.531	97.0	0.6
Triplicate	897	0.545	99.5	2.0

0.479 ppbV H<sub>2</sub>S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	828	0.457	95.3	2.2
Duplicate	850	0.469	97.8	0.4
Triplicate	862	0.475	99.2	1.8

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28939

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

220521-28939 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.247	0.230	98.8	92.0	7.1
MeSH	<PQL	0.274	0.281	0.285	102.6	104.1	1.4
DMS	<PQL	0.240	0.243	0.234	101.5	97.7	3.8

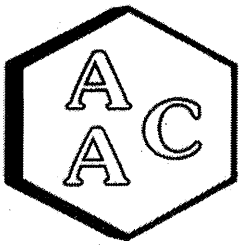
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.454	90.8
MeSH	0.548	0.576	105.2
DMS	0.479	0.467	97.5

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/6/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID: SCD-BTU  
 Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SS1289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	885	0.509	101.8	1.9
Duplicate	858	0.493	98.7	1.2
Triplicate	861	0.496	99.2	0.8

0.548 ppbV H<sub>2</sub>S (SS1289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	903	0.549	100.2	0.0
Duplicate	901	0.547	100.0	0.2
Triplicate	905	0.550	100.5	0.3

0.479 ppbV H<sub>2</sub>S (SS1289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	844	0.465	97.1	2.1
Duplicate	872	0.481	100.4	1.2
Triplicate	869	0.479	100.0	0.9

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28939

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

220521-28939 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.241	0.227	96.4	90.8	6.0
MeSH	<PQL	0.274	0.263	0.270	96.1	98.6	2.6
DMS	<PQL	0.240	0.244	0.238	101.9	99.4	2.5

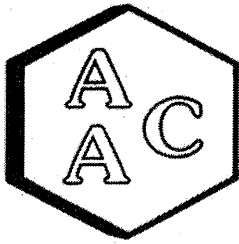
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.469	93.8
MeSH	0.548	0.502	91.7
DMS	0.479	0.486	101.5

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/6/2023  
Analyst: KM  
Units: ppbV

Instrument ID: SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H<sub>2</sub>S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1821	494	98.8	1.1
Duplicate	1871	508	101.6	1.6
Triplicate	1832	497	99.4	0.5

*547.5 ppbV H<sub>2</sub>S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2406	558	101.9	1.5
Duplicate	2443	567	103.5	0.1
Triplicate	2476	574	104.9	1.4

*479.0 ppbV H<sub>2</sub>S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2595	491	102.4	1.2
Duplicate	2642	499	104.3	0.6
Triplicate	2641	499	104.2	0.6

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28941

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	240.7	238.7	96.3	95.5	0.8
MeSH	<PQL	273.8	256.1	264.0	93.6	96.4	3.0
DMS	<PQL	239.5	238.4	256.2	99.5	107.0	7.2

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	458.0	91.7
MeSH	547.5	565.9	103.4
DMS	479.0	518.8	108.3

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD from ssAS

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

**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.:  
Send Report To (Name/Email/Address)

**Client/Company Name**  
SCS Engineers  
Project Manager Name  
Paul Schaffer

**Project Name**  
Christina Canyon  
**Project Number**  
01204123.21 Task 22

Send Invoice To (Name/Email/Address)  
PO Number

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

**Sampler Name**  
Print: Armando Hurtado  
Signature: *Armando Hurtado*

**LAB USE ONLY**  
 Sample Analyzed  
 Header  
 EUPS  
 Columns  
 Ovens  
 Temperature  
 (thermoprec)  
 ID  
 Trials  
 Rejected cups  
 Total tests  
 Unused caps  
 Flow Controller

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty					
MS10-0905	48426	9/5	10:15	Task 1	X	X			
MS06-0905	48427		10:43		X	X			
MS11-0905	48428		11:05		X	X			
MS08-0905	48429		9:51		X	X			
Active-0905	48430		8:37		X	X			
Chiquita-0905	48431		9:24		X	X			
MS/2-0905	48432		9:44		X	X			
Rxn-0905	48433		7:58		X	X			
MS09-0905	48434		10:04		X	X			
MS End Lincoln-0905	48435		9:35		X	X			
MS07-0905	48436		9:15		X	X			
SCV-0905	48437		7:10		X	X			

Client Notes/Special Instructions:

**Relinquished By**  
Print: Armando Hurtado  
Signature: *Armando Hurtado*

**Received By**  
Print: Zacary Smith  
Signature: *Zacary Smith*

**Date** 9/5/23

**EDD?**  
 Yes  
 No

**Relinquished By**  
Print: *[Signature]*

**Received By**  
Print: *[Signature]*

**Date** 9/5/23

**Date** 9/14

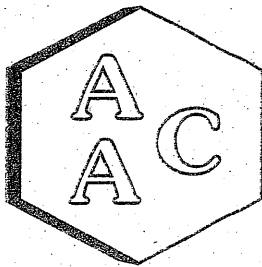
**Notes**

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



231251

<b>Client/Company Name</b> SCS Engineers Project Manager Name Paul Schaefer		<b>Project Name</b> Chiquita Canyon Project Number 01204123.21 Task 22		<b>Analysis Requested</b> 30291 TO-15 Sulfox Full list		<b>AAC Project No.:</b> Send Report To (Name/Email/Address)	
<b>Turnaround Time</b> <input type="checkbox"/> Rush 24 h <input type="checkbox"/> Same Day <input type="checkbox"/> Rush 48 h <input type="checkbox"/> 5 Days <input checked="" type="checkbox"/> Rush 72 h <input type="checkbox"/> Normal		<b>Sampler Name</b> Print: Armando Hurtado Signature: <i>Armando Hurtado</i>		<b>PO Number</b> Send Invoice To (Name/Email/Address)		<b>LAB USE ONLY</b> Sample Received Date Checked EYES ETOX Volume Moisture Temperature (Other material) ID Initials Returned Error Total Items Unused Cans Flow Controllers	
<b>Client Sample Name</b> MS05-0905 MS02-0905 MS03-0905 MS04-0905		<b>Sample ID</b> 48438 48439 48440 48441		<b>Sampling Date</b> 9/5 ↓		<b>Sampling Time</b> 8:50 8:19 7:23 7:47	
		<b>Container Type/Qty</b> Yellow 1 ↓		X X X X		X X X X	
<b>Client Notes/Special Instructions:</b>							
<b>Relinquished By</b> Print: Armando Hurtado Signature: <i>Armando Hurtado</i>		<b>Date</b> 9/5/03		<b>Received By</b> Print: Zachary Smith Signature: <i>Zachary Smith</i>		<b>Date</b> 9/5/03	
<b>Relinquished By</b> Print: <i>Paul Schaefer</i> Signature:		<b>Date</b> 11-17		<b>Received By</b> Print: <i>Zachary Smith</i> Signature:		<b>Date</b> 11-17	
<b>Signature:</b>		<b>Time</b>		<b>Signature:</b>		<b>Time</b>	
		<b>EDD?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No					



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (OFF)  
PROJECT NO. : 01204123.21 Task 22  
AAC PROJECT NO. : 231801 Rev 1  
REPORT DATE : 11/15/2023

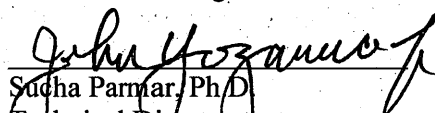
On September 12, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Client ID	Lab ID
MS-10	231801-48648	MS-08	231801-48656
MS-07	231801-48649	Chiquito Cyn	231801-48657
MS-11	231801-48650	MS-03	231801-48658
MS-06	231801-48651	Working Face	231801-48659
SCV	231801-48652	MS-04	231801-48660
S End Lincoln	231801-48653	MS-05	231801-48661
MS-09	231801-48654	MS-02	231801-48662
MS-12	231801-48655	Reaction	231801-48663

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.aacalab.com](http://www.aacalab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

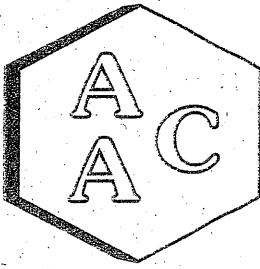
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report. If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

*Amended Report 231801 Rev 1 supersedes Original Report 231801. The amended report was issued on 11/15/2023. A malfunction in the autosampler for the analytical instrument was discovered, where no sample volume was analyzed, leading to the undetected results observed for each analyte in all samples.*







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

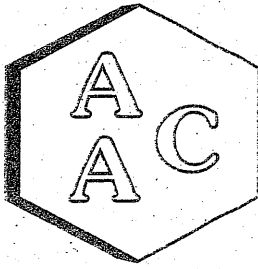
CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48648				231801-48649				
Date Sampled		09/12/2023			09/12/2023					
Date Analyzed		09/13/2023			09/13/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	5.00	<SRL	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

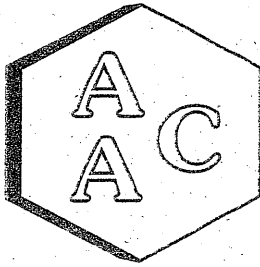
DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48648				231801-48649				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/13/2023				09/13/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			113%				109%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

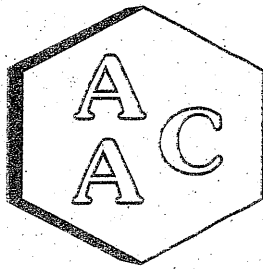
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231801 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48650				231801-48651				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/14/2023				09/13/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	5.00	<SRL	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

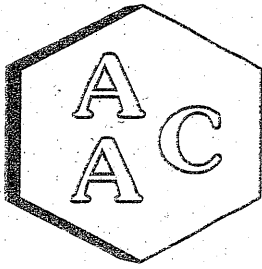
DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48650				231801-48651				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/14/2023				09/13/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		105%				111%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

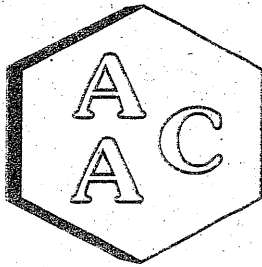
CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48652				231801-48653				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/14/2023				09/14/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	5.00	<SRL	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

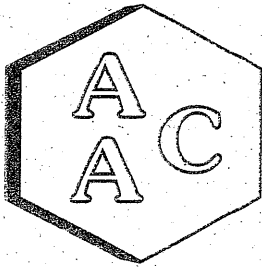
DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48652				231801-48653				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/14/2023				09/14/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			109%				109%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

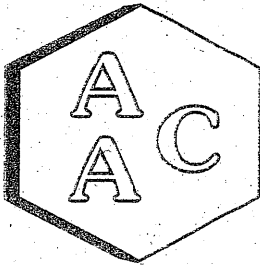
CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48654				231801-48655				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/14/2023				09/14/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	5.00	<SRL	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

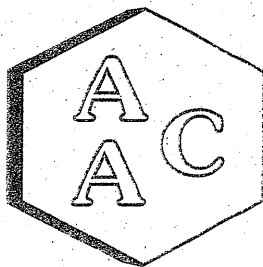
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48654				231801-48655				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/14/2023				09/14/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			106%				109%		70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

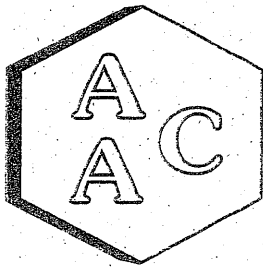
CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48656				231801-48657				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/13/2023				09/13/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	5.00	<SRL	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

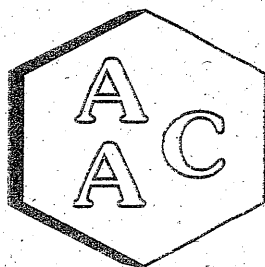
DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	231801-48656				231801-48657				
Date Sampled	09/12/2023				09/12/2023				
Date Analyzed	09/13/2023				09/13/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		106%				110%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

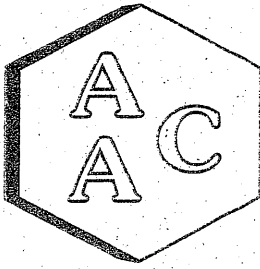
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231801 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>MS-03</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Working Face</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		<i>231801-48658</i>				<i>231801-48659</i>				
<i>Date Sampled</i>		<i>09/12/2023</i>				<i>09/12/2023</i>				
<i>Date Analyzed</i>		<i>09/14/2023</i>				<i>09/13/2023</i>				
<i>Can Dilution Factor</i>		<i>1.00</i>			<i>1.00</i>					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	5.00	<SRL	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231801 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

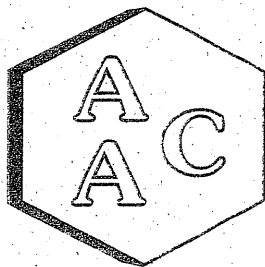
**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-03			Working Face			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID		231801-48658			231801-48659				
Date Sampled		09/12/2023			09/12/2023			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
Date Analyzed		09/14/2023			09/13/2023				
Can Dilution Factor		1.00			1.00			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery -		107%				109%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

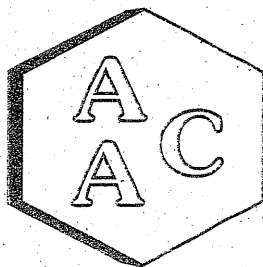
**CLIENT :** SCS Engineers  
**PROJECT NO :** 231801 Rev 1  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 09/12/2023  
**DATE REPORTED :** 11/15/2023  
**ANALYST :** MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48660				231801-48661				
Date Sampled		09/12/2023				09/12/2023				
Date Analyzed		09/14/2023				09/13/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	5.00	<SRL	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

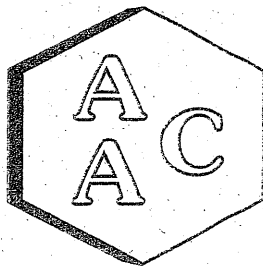
DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48660				231801-48661				
Date Sampled		09/12/2023			09/12/2023					
Date Analyzed		09/14/2023			09/13/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		108%				110%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

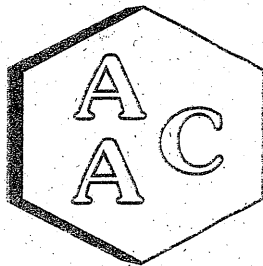
CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231801-48662				231801-48663				
Date Sampled		09/12/2023			09/12/2023					
Date Analyzed		09/13/2023			09/14/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	<SRL	U	1	5.00	<SRL	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231801 Rev 1  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/12/2023  
 DATE REPORTED : 11/15/2023  
 ANALYST : MB

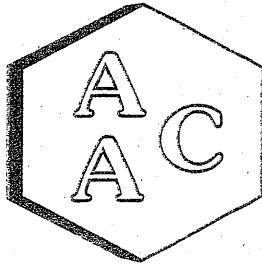
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	231801-48662				231801-48663				
Date Sampled	09/12/2023				09/12/2023				
Date Analyzed	09/13/2023				09/14/2023				
Can Dilution Factor	1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery			113%				108%		70-130%

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







# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/13/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MS1-051623-01  
 ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	10.66	113
Chlorodifluoromethane	5.20	4.73	91
Propene	5.30	4.56	86
Dichlorodifluoromethane	5.20	5.30	102
Dimethyl Ether	5.10	4.21	83
Chloromethane	5.20	4.62	89
Dichlorotetrafluoroethane	5.15	5.20	101
Vinyl Chloride	5.25	4.95	94
Acetaldehyde	10.55	8.89	84
Methanol	9.40	6.71	71
1,3-Butadiene	5.30	4.79	90
Bromomethane	5.20	5.94	114
Chloroethane	5.15	4.54	88
Dichlorofluoromethane	5.10	5.16	101
Ethanol	5.60	4.62	83
Vinyl Bromide	5.05	5.25	104
Acrolein	5.55	4.95	89
Acetone	5.30	4.66	88
Trichlorofluoromethane	5.25	5.69	108
2-Propanol (IPA)	5.50	4.10	75
Acrylonitrile	5.60	4.97	89
1,1-Dichloroethene	5.20	5.09	98
Methylene Chloride (DCM)	5.25	5.00	95
TertButanol (TBA)	5.55	4.49	81
Allyl Chloride	5.10	4.71	92
Carbon Disulfide	5.25	4.98	95
Trichlorotrifluoroethane	5.20	5.11	98
trans-1,2-Dichloroethene	5.30	5.26	99
1,1-Dichloroethane	5.25	4.93	94
Methyl Tert Butyl Ether (MTBE)	5.25	4.69	89
Vinyl Acetate	5.50	5.00	91
2-Butanone (MEK)	5.30	4.64	88
cis-1,2-Dichloroethene	5.25	5.31	101
Hexane	5.35	4.91	92
Chloroform	5.30	5.32	100
Ethyl Acetate	5.30	4.53	85
Tetrahydrofuran	5.10	4.49	88
1,2-Dichloroethane	5.25	5.24	100
1,1,1-Trichloroethane	5.20	5.24	101
Benzene	5.30	5.25	99
Carbon Tetrachloride	5.10	6.16	121
Cyclohexane	5.25	5.12	98

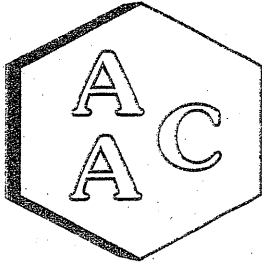
Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.85	92
Bromodichloromethane	5.20	5.70	110
1,4-Dioxane	5.20	5.73	110
Trichloroethene (TCE)	5.20	5.75	111
2,2,4-Trimethylpentane	5.00	4.98	100
Methyl Methacrylate	5.50	5.00	91
Heptane	5.25	4.95	94
cis-1,3-Dichloropropene	5.20	5.12	98
4-Methyl-2-pentanone (MiBK)	5.20	5.91	114
trans-1,3-Dichloropropene	5.25	5.21	99
1,1,2-Trichloroethane	5.25	5.61	107
Toluene	5.30	5.45	103
2-Hexanone (MBK)	5.25	5.69	108
Dibromochloromethane	5.15	5.97	116
1,2-Dibromoethane	5.30	5.64	106
Tetrachloroethene (PCE)	5.20	5.85	113
Chlorobenzene	5.30	5.15	97
Ethylbenzene	5.25	5.26	100
m & p-Xylene	10.50	10.56	101
Bromoform	5.25	5.75	110
Styrene	5.25	5.22	99
1,1,2,2-Tetrachloroethane	5.25	5.12	98
o-Xylene	5.25	5.10	97
1,2,3-Trichloropropane	5.50	5.66	103
Isopropylbenzene (Cumene)	5.15	5.34	104
α-Pinene	5.35	5.57	104
2-Chlorotoluene	5.15	5.31	103
n-Propylbenzene	5.05	5.06	100
4-Ethyltoluene	5.15	5.03	98
1,3,5-Trimethylbenzene	5.15	5.10	99
β-Pinene	5.50	5.99	109
1,2,4-Trimethylbenzene	5.15	5.14	100
Benzyl Chloride (a-Chlorotoluene)	5.20	4.68	90
1,3-Dichlorobenzene	5.20	5.30	102
1,4-Dichlorobenzene	5.15	5.38	104
Sec-ButylBenzene	5.05	5.14	102
1,2-Dichlorobenzene	5.30	5.37	101
n-ButylBenzene	5.10	5.18	102
1,2-Dibromo-3-Chloropropane	5.05	4.99	99
1,2,4-Trichlorobenzene	5.50	5.96	108
Naphthalene	5.75	5.97	104
Hexachlorobutadiene	5.50	5.74	104

<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/13/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

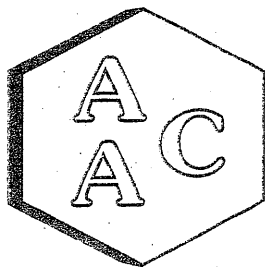
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	10.66	10.09	113	107	5.5
1,1-Dichloroethene	0.0	5.20	5.09	4.90	98	94	3.8
Methylene Chloride (DCM)	0.0	5.25	5.00	4.67	95	89	6.8
Benzene	0.0	5.30	5.25	5.24	99	99	0.2
Trichloroethene (TCE)	0.0	5.20	5.75	5.73	111	110	0.3
Toluene	0.0	5.30	5.45	5.44	103	103	0.2
Tetrachloroethene (PCE)	0.0	5.20	5.85	5.69	113	109	2.8
Chlorobenzene	0.0	5.30	5.15	5.06	97	95	1.8
Ethylbenzene	0.0	5.25	5.26	5.08	100	97	3.5
m & p-Xylene	0.0	10.50	10.56	10.40	101	99	1.5
o-Xylene	0.0	5.25	5.10	4.86	97	93	4.8

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 09/13/2023

INSTRUMENT ID : GC/MS-03

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : MB

UNITS : PPB (v/v)

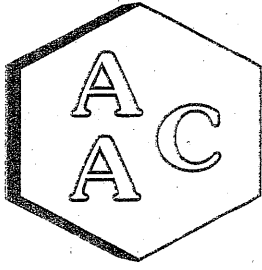
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 091323	Reporting Limit (RL)
4-BFB (surrogate standard)	104%	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	1.0
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 091323	Reporting Limit (RL)
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	2.0
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	1.0
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	2.0
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 (α-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	1.0
Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/13/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

ANALYST : MB

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: CCV/LCSD

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	10.7	10.1	5.5
Chlorodifluoromethane	4.73	4.63	2.1
Propene	4.56	3.93	14.8
Dichlorodifluoromethane	5.30	5.17	2.5
Dimethyl Ether	4.21	3.98	5.6
Chloromethane	4.62	4.75	2.8
Dichlorotetrafluoroethane	5.20	5.37	3.2
Vinyl Chloride	4.95	4.84	2.2
Acetaldehyde	8.89	8.71	2.0
Methanol	6.71	5.99	11.3
1,3-Butadiene	4.79	4.54	5.4
Bromomethane	5.94	5.63	5.4
Chloroethane	4.54	4.15	9.0
Dichlorofluoromethane	5.16	4.87	5.8
Ethanol	4.62	3.68	22.7
Vinyl Bromide	5.25	4.97	5.5
Acrolein	4.95	4.85	2.0
Acetone	4.66	4.39	6.0
Trichlorofluoromethane	5.69	5.37	5.8
2-Propanol (IPA)	4.10	4.01	2.2
Acrylonitrile	4.97	4.89	1.6
1,1-Dichloroethene	5.09	4.90	3.8
Methylene Chloride (DCM)	5.00	4.67	6.8
TertButanol (TBA)	4.49	4.26	5.3
Allyl Chloride	4.71	4.52	4.1
Carbon Disulfide	4.98	4.92	1.2
Trichlorotrifluoroethane	5.11	4.96	3.0
trans-1,2-Dichloroethene	5.26	5.11	2.9
1,1-Dichloroethane	4.93	4.84	1.8
Methyl Tert Butyl Ether (MTBE)	4.69	4.54	3.3
Vinyl Acetate	5.00	4.85	3.0
2-Butanone (MEK)	4.64	4.88	5.0
cis-1,2-Dichloroethene	5.31	4.84	9.3
Hexane	4.91	5.19	5.5
Chloroform	5.32	5.34	0.4
Ethyl Acetate	4.53	4.36	3.8
Tetrahydrofuran	4.49	4.23	6.0
1,2-Dichloroethane	5.24	5.06	3.5
1,1,1-Trichloroethane	5.24	5.06	3.5
Benzene	5.25	5.24	0.2
Carbon Tetrachloride	6.16	6.36	3.2
Cyclohexane	5.12	5.14	0.4

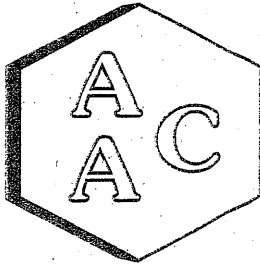
Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
1,2-Dichloropropane	4.85	4.95	2.0
Bromodichloromethane	5.70	5.71	0.2
1,4-Dioxane	5.73	5.42	5.6
Trichloroethene (TCE)	5.75	5.73	0.3
2,2,4-Trimethylpentane	4.98	4.80	3.7
Methyl Methacrylate	5.00	4.93	1.4
Heptane	4.95	4.95	0.0
cis-1,3-Dichloropropene	5.12	5.12	0.0
4-Methyl-2-pentanone (MiBK)	5.91	5.86	0.8
trans-1,3-Dichloropropene	5.21	5.47	4.9
1,1,2-Trichloroethane	5.61	5.57	0.7
Toluene	5.45	5.44	0.2
2-Hexanone (MBK)	5.69	5.66	0.5
Dibromochloromethane	5.97	6.00	0.5
1,2-Dibromoethane	5.64	5.70	1.1
Tetrachloroethene (PCE)	5.85	5.69	2.8
Chlorobenzene	5.15	5.06	1.8
Ethylbenzene	5.26	5.08	3.5
m & p-Xylene	10.6	10.4	1.5
Bromoform	5.75	5.70	0.9
Styrene	5.22	5.02	3.9
1,1,2,2-Tetrachloroethane	5.12	5.07	1.0
o-Xylene	5.10	4.86	4.8
1,2,3-Trichloropropane	5.66	5.26	7.3
Isopropylbenzene (Cumene)	5.34	5.06	5.4
α-Pinene	5.57	5.35	4.0
2-Chlorotoluene	5.31	4.98	6.4
n-Propylbenzene	5.06	4.80	5.3
4-Ethyltoluene	5.03	5.07	0.8
1,3,5-Trimethylbenzene	5.10	4.98	2.4
β-Pinene	5.99	5.96	0.5
1,2,4-Trimethylbenzene	5.14	5.00	2.8
Benzyl Chloride (a-Chlorotoluene)	4.68	4.59	1.9
1,3-Dichlorobenzene	5.30	5.10	3.8
1,4-Dichlorobenzene	5.38	5.20	3.4
Sec-ButylBenzene	5.14	4.99	3.0
1,2-Dichlorobenzene	5.37	5.28	1.7
n-ButylBenzene	5.18	4.85	6.6
1,2-Dibromo-3-Chloropropane	4.99	4.69	6.2
1,2,4-Trichlorobenzene	5.96	5.47	8.6
Naphthalene	5.97	5.71	4.5
Hexachlorobutadiene	5.74	5.73	0.2

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> 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 : 09/14/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	10.40	111
Chlorodifluoromethane	5.20	4.69	90
Propene	5.30	4.31	81
Dichlorodifluoromethane	5.20	5.14	99
Dimethyl Ether	5.10	3.96	78
Chloromethane	5.20	4.74	91
Dichlorotetrafluoroethane	5.15	5.17	100
Vinyl Chloride	5.25	4.92	94
Acetaldehyde	10.55	8.84	84
Methanol	LR 9.40	6.21	66
1,3-Butadiene	5.30	4.53	85
Bromomethane	5.20	5.79	111
Chloroethane	5.15	4.85	94
Dichlorofluoromethane	5.10	5.02	98
Ethanol	5.60	4.02	72
Vinyl Bromide	5.05	5.21	103
Acrolein	5.55	4.71	85
Acetone	5.30	4.31	81
Trichlorofluoromethane	5.25	5.39	103
2-Propanol (IPA)	5.50	3.97	72
Acrylonitrile	5.60	4.79	86
1,1-Dichloroethene	5.20	5.04	97
Methylene Chloride (DCM)	5.25	4.84	92
TertButanol (TBA)	5.55	3.98	72
Allyl Chloride	5.10	4.60	90
Carbon Disulfide	5.25	4.90	93
Trichlorotrifluoroethane	5.20	4.87	94
trans-1,2-Dichloroethene	5.30	5.22	98
1,1-Dichloroethane	5.25	4.96	94
Methyl Tert Butyl Ether (MTBE)	5.25	4.57	87
Vinyl Acetate	5.50	4.78	87
2-Butanone (MEK)	5.30	4.47	84
cis-1,2-Dichloroethene	5.25	5.09	97
Hexane	5.35	5.16	96
Chloroform	5.30	5.13	97
Ethyl Acetate	5.30	4.27	81
Tetrahydrofuran	5.10	4.40	86
1,2-Dichloroethane	5.25	5.02	96
1,1,1-Trichloroethane	5.20	5.19	100
Benzene	5.30	5.06	95
Carbon Tetrachloride	5.10	6.03	118
Cyclohexane	5.25	5.12	98

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.67	89
Bromodichloromethane	5.20	5.64	108
1,4-Dioxane	5.20	5.55	107
Trichloroethene (TCE)	5.20	5.51	106
2,2,4-Trimethylpentane	5.00	4.84	97
Methyl Methacrylate	5.50	5.00	91
Heptane	5.25	4.97	95
cis-1,3-Dichloropropene	5.20	4.94	95
4-Methyl-2-pentanone (MIBK)	5.20	5.64	108
trans-1,3-Dichloropropene	5.25	5.05	96
1,1,2-Trichloroethane	5.25	5.40	103
Toluene	5.30	5.23	99
2-Hexanone (MBK)	5.25	5.44	104
Dibromochloromethane	5.15	5.55	108
1,2-Dibromoethane	5.30	5.46	103
Tetrachloroethene (PCE)	5.20	5.48	105
Chlorobenzene	5.30	5.00	94
Ethylbenzene	5.25	5.02	96
m & p-Xylene	10.50	10.08	96
Bromoform	5.25	5.61	107
Styrene	5.25	5.00	95
1,1,2,2-Tetrachloroethane	5.25	5.14	98
o-Xylene	5.25	5.02	96
1,2,3-Trichloropropane	5.50	5.45	99
Isopropylbenzene (Cumene)	5.15	5.04	98
α-Pinene	5.35	5.25	98
2-Chlorotoluene	5.15	4.84	94
n-Propylbenzene	5.05	4.82	95
4-Ethyltoluene	5.15	4.83	94
1,3,5-Trimethylbenzene	5.15	5.00	97
β-Pinene	5.50	5.83	106
1,2,4-Trimethylbenzene	5.15	5.07	98
Benzyl Chloride (α-Chlorotoluene)	5.20	4.51	87
1,3-Dichlorobenzene	5.20	5.15	99
1,4-Dichlorobenzene	5.15	5.12	99
Sec-ButylBenzene	5.05	4.93	98
1,2-Dichlorobenzene	5.30	5.12	97
n-ButylBenzene	5.10	4.95	97
1,2-Dibromo-3-Chloropropane	5.05	4.81	95
1,2,4-Trichlorobenzene	5.50	5.54	101
Naphthalene	5.75	5.84	102
Hexachlorobutadiene	5.50	5.58	101

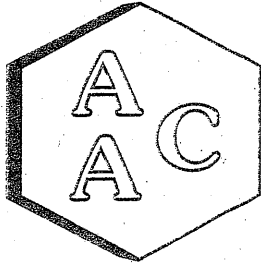
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low; detection of the analyte was confirmed at the lowest calibration level.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/14/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : MB

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

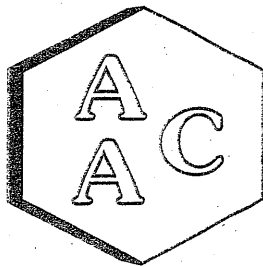
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	10.40	10.40	111	111	0.0
1,1-Dichloroethene	0.0	5.20	5.04	5.17	97	99	2.5
Methylene Chloride (DCM)	0.0	5.25	4.84	5.00	92	95	3.3
Benzene	0.0	5.30	5.06	5.21	95	98	2.9
Trichloroethene (TCE)	0.0	5.20	5.51	5.70	106	110	3.4
Toluene	0.0	5.30	5.23	5.38	99	102	2.8
Tetrachloroethene (PCE)	0.0	5.20	5.48	5.80	105	112	5.7
Chlorobenzene	0.0	5.30	5.00	5.28	94	100	5.4
Ethylbenzene	0.0	5.25	5.02	5.23	96	100	4.1
m & p-Xylene	0.0	10.50	10.08	10.81	96	103	7.0
o-Xylene	0.0	5.25	5.02	5.21	96	99	3.7

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 09/14/2023

INSTRUMENT ID : GC/MS-03

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : MB

UNITS : PPB (v/v)

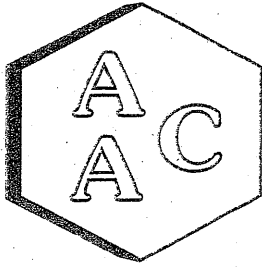
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 091423	Reporting Limit (RL)
4-BFB (surrogate standard)	111%	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	1.0
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 091423	Reporting Limit (RL)
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	2.0
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	1.0
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	2.0
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 (α-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	1.0
Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/14/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : MB  
 DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: CCV/LCSD

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	10.4	10.4	0.0
Chlorodifluoromethane	4.69	4.64	1.1
Propene	4.31	4.59	6.3
Dichlorodifluoromethane	5.14	5.21	1.4
Dimethyl Ether	3.96	3.87	2.3
Chloromethane	4.74	5.08	6.9
Dichlorotetrafluoroethane	5.17	5.36	3.6
Vinyl Chloride	4.92	4.96	0.8
Acetaldehyde	8.84	8.71	1.5
Methanol	6.21	6.04	2.8
1,3-Butadiene	4.53	4.65	2.6
Bromomethane	5.79	5.89	1.7
Chloroethane	4.85	4.55	6.4
Dichlorofluoromethane	5.02	5.06	0.8
Ethanol	4.02	3.95	1.8
Vinyl Bromide	5.21	5.09	2.3
Acrolein	4.71	4.77	1.3
Acetone	4.31	4.44	3.0
Trichlorofluoromethane	5.39	5.21	3.4
2-Propanol (IPA)	3.97	4.11	3.5
Acrylonitrile	4.79	5.04	5.1
1,1-Dichloroethene	5.04	5.17	2.5
Methylene Chloride (DCM)	4.84	5.00	3.3
TertButanol (TBA)	3.98	4.30	7.7
Allyl Chloride	4.60	4.46	3.1
Carbon Disulfide	4.90	4.96	1.2
Trichlorotrifluoroethane	4.87	5.19	6.4
trans-1,2-Dichloroethene	5.22	5.21	0.2
1,1-Dichloroethane	4.96	4.74	4.5
Methyl Tert Butyl Ether (MTBE)	4.57	4.44	2.9
Vinyl Acetate	4.78	4.88	2.1
2-Butanone (MEK)	4.47	4.81	7.3
cis-1,2-Dichloroethene	5.09	4.97	2.4
Hexane	5.16	5.03	2.6
Chloroform	5.13	5.37	4.6
Ethyl Acetate	4.27	4.26	0.2
Tetrahydrofuran	4.40	3.90	12.0
1,2-Dichloroethane	5.02	5.08	1.2
1,1,1-Trichloroethane	5.19	5.14	1.0
Benzene	5.06	5.21	2.9
Carbon Tetrachloride	6.03	6.25	3.6
Cyclohexane	5.12	5.04	1.6

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
1,2-Dichloropropane	4.67	4.76	1.9
Bromodichloromethane	5.64	5.50	2.5
1,4-Dioxane	5.55	5.38	3.1
Trichloroethene (TCE)	5.51	5.70	3.4
2,2,4-Trimethylpentane	4.84	4.65	4.0
Methyl Methacrylate	5.00	4.99	0.2
Heptane	4.97	5.14	3.4
cis-1,3-Dichloropropene	4.94	5.08	2.8
4-Methyl-2-pentanone (MiBK)	5.64	5.64	0.0
trans-1,3-Dichloropropene	5.05	5.11	1.2
1,1,2-Trichloroethane	5.40	5.53	2.4
Toluene	5.23	5.38	2.8
2-Hexanone (MBK)	5.44	5.58	2.5
Dibromochloromethane	5.55	5.92	6.5
1,2-Dibromoethane	5.46	5.71	4.5
Tetrachloroethene (PCE)	5.48	5.80	5.7
Chlorobenzene	5.00	5.28	5.4
Ethylbenzene	5.02	5.23	4.1
m & p-Xylene	10.1	10.8	7.0
Bromoform	5.61	5.99	6.6
Styrene	5.00	5.30	5.8
1,1,2,2-Tetrachloroethane	5.14	5.31	3.3
o-Xylene	5.02	5.21	3.7
1,2,3-Trichloropropane	5.45	5.53	1.5
Isopropylbenzene (Cumene)	5.04	5.34	5.8
α-Pinene	5.25	5.62	6.8
2-Chlorotoluene	4.84	5.32	9.4
n-Propylbenzene	4.82	5.02	4.1
4-Ethyltoluene	4.83	5.26	8.5
1,3,5-Trimethylbenzene	5.00	5.22	4.3
β-Pinene	5.83	6.32	8.1
1,2,4-Trimethylbenzene	5.07	5.13	1.2
Benzyl Chloride (α-Chlorotoluene)	4.51	4.78	5.8
1,3-Dichlorobenzene	5.15	5.41	4.9
1,4-Dichlorobenzene	5.12	5.35	4.4
Sec-ButylBenzene	4.93	5.22	5.7
1,2-Dichlorobenzene	5.12	5.47	6.6
n-ButylBenzene	4.95	5.25	5.9
1,2-Dibromo-3-Chloropropane	4.81	4.92	2.3
1,2,4-Trichlorobenzene	5.54	5.85	5.4
Naphthalene	5.84	6.13	4.8
Hexachlorobutadiene	5.58	6.09	8.7

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)





231801



**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 (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: *Paul Schaffer*

**Client Sample Name**

**Sample ID**

**Sampling Date**

**Sampling Time**

**Container Type/Qty**

307.91 SULFUR  
TO-15 FULL LIST

**Analysis Requested**

**AAC Project No.:**

**Send Report To (Name/Email/Address)**

pschafer@scsengineers.com

**Send Invoice To (Name/Email/Address)**

**PO Number**

MS-10	48648	9/12	1255	Reduct	✓							
MS-07	48649	9/12	1036		✓							
MS-11	48650		1341		✓							
MS-06	48651		1226		✓							
SCV	48652		1206		✓							
S End Lincoln	48653		1057		✓							
MS-09	48654		1154		✓							
MS-12	48655		1109		✓							
MS-08	48656		1132		✓							
Chiquito Cyn	48657		1049		✓							

**Client Notes/Special Instructions:**

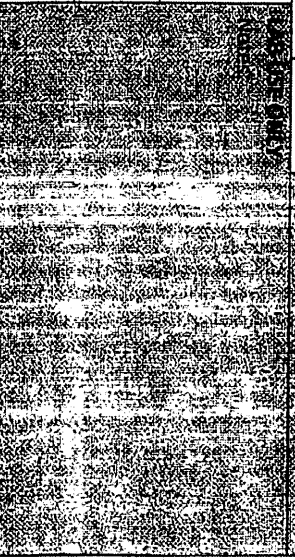
**EDD?**  
 Yes  
 No

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

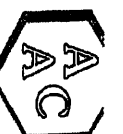
**Received By**  
Print: *Zachary Smith*  
Signature: *Zachary Smith*

**Date** 9/12/23    **Date** 9/12/23

**Time** 1522    **Time** 1525



231801



**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 (LOW)  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com

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

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *Paul Schaffer*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD? <input type="checkbox"/> Yes <input type="checkbox"/> No
<del>MS-03</del> Working Face	48658	9/12	1235	Relaxed	307.91 SULFUR TO-15 FULL LIST	
<del>MS-04</del> Working Face	48659		0947			
MS-05	48660		0825			
MS-02	48661		0754			
Reaction	48662		0927			
	48663		0853			

**Client Notes/Special Instructions:**

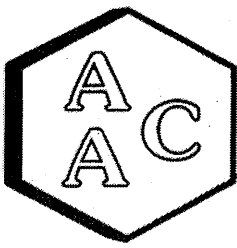
**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**Received By**  
Print: *Zachary*  
Signature: *Zachary*

**Date** 9/12/23  
**Time** 1522

**Date** 9/12/23  
**Time** 1525

**EDD?**  
 Yes  
 No



# Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (Off)  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 231801  
REPORT DATE : 09/14/2023

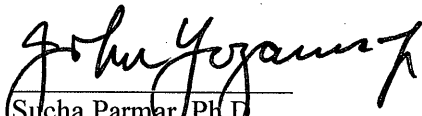
On September 12<sup>th</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
MS-10	231801-48648	MS-08	231801-48656
MS-07	231801-48649	Chiquito Cyn	231801-48657
MS-11	231801-48650	MS-03	231801-48658
MS-06	231801-48651	Working Face	231801-48659
SCV	231801-48652	MS-04	231801-48660
S End Lincoln	231801-48653	MS-05	231801-48661
MS-09	231801-48654	MS-02	231801-48662
MS-12	231801-48655	Reaction	231801-48663

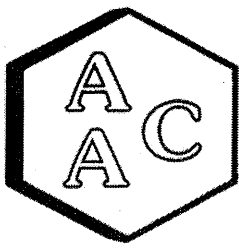
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

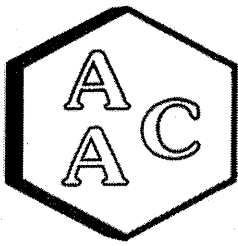
CLIENT : SCS Engineers  
 PROJECT NO. : 231801  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/12/2023  
 RECEIVING DATE : 09/12/2023  
 ANALYSIS DATE : 09/13/2023  
 REPORT DATE : 09/14/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-07	MS-11	MS-06	SCV	S End Lincoln
AAC ID	231801-48648	231801-48649	231801-48650	231801-48651	231801-48652	231801-48653
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	<b>0.040</b>	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	<b>0.040</b>	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

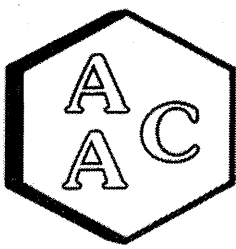
CLIENT : SCS Engineers  
 PROJECT NO. : 231801  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/12/2023  
 RECEIVING DATE : 09/12/2023  
 ANALYSIS DATE : 09/13/2023  
 REPORT DATE : 09/14/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-09	MS-12	MS-08	Chiquito Cyn	MS-03	Working Face
AAC ID	231801-48654	231801-48655	231801-48656	231801-48657	231801-48658	231801-48659
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



**LABORATORY ANALYSIS REPORT**

CLIENT : SCS Engineers  
 PROJECT NO. : 231801  
 MATRIX : AIR  
 UNITS : ppmv

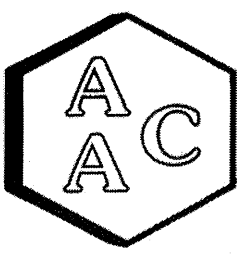
SAMPLING DATE : 09/12/2023  
 RECEIVING DATE : 09/12/2023  
 ANALYSIS DATE : 09/13/2023  
 REPORT DATE : 09/14/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-04	MS-05	MS-02	Reaction
AAC ID	231801-48660	231801-48661	231801-48662	231801-48663
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	<b>0.045</b>
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	<b>0.058</b>
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	<b>0.103</b>

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S

Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/13/2023  
 Analyst: KM  
 Units: ppbV

Instrument ID: SCD#10  
 Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SSI 289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1836	498	99.7	1.0
Duplicate	1853	503	100.6	0.0
Triplicate	1872	508	101.6	1.0

547.5 ppbV H<sub>2</sub>S (SSI 289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2328	540	98.6	1.3
Duplicate	2369	549	100.3	0.4
Triplicate	2382	552	100.9	0.9

479.0 ppbV H<sub>2</sub>S (SSI 289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2431	460	95.9	2.4
Duplicate	2553	483	100.8	2.4
Triplicate	2492	471	98.4	0.0

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28941

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

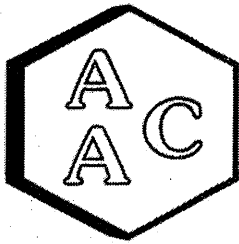
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	253.4	258.1	101.4	103.3	1.8
MeSH	<PQL	273.8	264.1	251.4	96.5	91.8	4.9
DMS	<PQL	239.5	262.6	247.0	109.7	103.1	6.1

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	489.1	97.9
MeSH	547.5	597.6	109.2
DMS	479.0	519.7	108.5

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/13/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID: SCD-BTU  
 Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	853	0.491	98.2	0.9
Duplicate	874	0.503	100.6	1.6
Triplicate	854	0.491	98.3	0.7

*0.548 ppbV H2S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	892	0.542	99.0	0.7
Duplicate	922	0.560	102.4	2.7
Triplicate	880	0.535	97.7	2.0

*0.479 ppbV H2S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	851	0.469	98.0	0.5
Duplicate	835	0.460	96.1	2.4
Triplicate	881	0.486	101.4	2.9

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28939

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

220521-28939 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.272	0.252	108.9	100.9	7.6
MeSH	<PQL	0.274	0.280	0.280	102.3	102.3	0.0
DMS	<PQL	0.240	0.254	0.257	106.1	107.3	1.2

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.481	96.2
MeSH	0.548	0.503	91.9
DMS	0.479	0.455	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



231801



**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 (OFF)  
**Project Number**  
01204123.21 TASK 22

**Analysis Requested**

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

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

307.91 SULFUR  
TO-15 FULL LIST

**AAC Project No.:**  
**Send Report To (Name/Email/Address):**  
pschaf@scsengineers.com  
**Send Invoice To (Name/Email/Address):**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-10	48648	9/12	1255	redcap	✓	
MS-07	48649	9/12	1036		✓	
MS-06	48651		1226		✓	
SCV	48652		1206		✓	
S End Lincoln	48653		1057		✓	
MS-09	48654		1154		✓	
MS-12	48655		1109		✓	
MS-08	48656		1132		✓	
Chiquito Cyn	48657		1049		✓	

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*  
Date: 9/12/23  
Time: 1532

**Received By**  
Print: *Zachary Smith*  
Signature: *Zachary Smith*  
Date: 9/12/23  
Time: 1525

**EDD?**  
 Yes  
 No

231801



**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@aacclab.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS  
PAUL SCHAFER

**Project Name**  
CHIOUITA (ENV)

**Project Number**  
01204123.21 TASK 22

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

**Sampler Name**  
Print: Armando Hurtado  
Signature: Armando Hurtado

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested
MS-03	48658	9/12	1235	retract	307.91 SULFUR
Working Face	48659		0947		TO-15 FULL LIST
MS-04	48660		0825		
MS-05	48661		0754		
MS-02	48662		0927		
Reaction	48663		0853		

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Armando Hurtado  
Signature: Armando Hurtado

**Relinquished By**  
Print: Armando Hurtado  
Signature: Armando Hurtado

**Date** 9/12/23  
**Time** 1522

**Received By**  
Print: Zachary Guinta  
Signature: Zachary Guinta

**Date** 9/12/23  
**Time** 1525

**AAC Project No.:**

**Send Report To (Name/Email/Address)**  
pschaf@scsengineers.com

**Send Invoice To (Name/Email/Address)**

**PO Number**

**LAB USE ONLY**

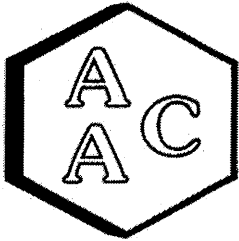
**Sample Received**  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Signature: \_\_\_\_\_

**Analysis Requested**  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Signature: \_\_\_\_\_

**Container Type/Qty**  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Signature: \_\_\_\_\_

**Analysis Results**  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Signature: \_\_\_\_\_

**Final Report**  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Signature: \_\_\_\_\_



## Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (OFF)  
PROJECT NO. : 01204123.21 Task 22  
AAC PROJECT NO. : 231857  
REPORT DATE : 09/22/2023

On September 19, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

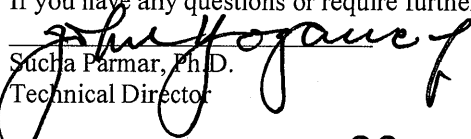
Client ID	Lab ID	Client ID	Lab ID
SCV_0919	231857-48895	MS-08	231857-48903
MS-10 0919	231857-48896	MS-09	231857-48904
MS-11 0919	231857-48897	MS-05_0919	231857-48905
MS-06 0919	231857-48898	MS-02-0919	231857-48906
MS-07 0919	231857-48899	Working Face 0919	231857-48907
Chiquito Cyn Rd 0919	231857-48900	Reaction-2 0919	231857-48908
S End Lincoln	231857-48901	MS-04 0919	231857-48909
MS-12	231857-48902	MS-03 0919	231857-48910

**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](http://www.aaclab.com).**

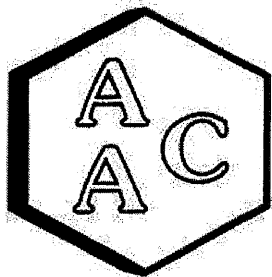
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Sample SCV\_0919 (231857-48895) was received flat so no analysis could be performed. Per NELAC requirements the analytical results should be considered estimated for these samples. Due to slightly low recovery for Methanol and Ethanol in the Quality Control runs, the results for these compounds in samples 48903-48910 should be considered estimated. Ethanol was detected over the calibration range for sample Working Face-0919 (231857-48907), however, a dilution could not analyzed due to lack of sample. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

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

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 23 pages.



# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

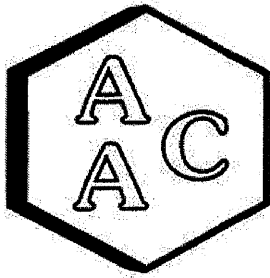
CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Sample Reporting Limit (SRL)	MS-10 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
		Result	Qualifier	Analysis DF		
AAC ID	0.50	<SRL	U	1	0.50	0.50
Date Sampled	1.00	<SRL	U	1	1.00	1.00
Date Analyzed	0.50	<SRL	U	1	0.50	0.50
Can Dilution Factor	0.50	<SRL	U	1	0.50	0.50
Compound	(MRLxDF's)					
Chlorodifluoromethane	0.50	<SRL	U	1	0.50	0.50
Propene	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.50	<SRL	U	1	0.50	0.50
Chloromethane	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	0.50	<SRL	U	1	0.50	0.50
Methanol	5.00	19.8		1	5.00	5.00
1,3-Butadiene	0.50	<SRL	U	1	0.50	0.50
Bromomethane	0.50	<SRL	U	1	0.50	0.50
Chloroethane	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	0.50	<SRL	U	1	0.50	0.50
Ethanol	2.00	31.2		1	2.00	2.00
Vinyl Bromide	0.50	<SRL	U	1	0.50	0.50
Acetone	2.00	22.3		1	2.00	2.00
Trichlorofluoromethane	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	2.00	4.89		1	2.00	2.00
Acrylonitrile	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	0.50	<SRL	U	1	0.50	0.50
Hexane	0.50	<SRL	U	1	0.50	0.50
Chloroform	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.50	1.07		1	0.50	0.50
Tetrahydrofuran	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	0.50	<SRL	U	1	0.50	0.50
Benzene	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

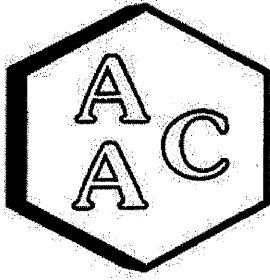
DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Sample Reporting Limit (SRL)	MS-10 0919			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
		Result	Qualifier	Analysis DF		
AAC ID		231857-48896				
Date Sampled		09/19/2023				
Date Analyzed		09/20/2023				
Can Dilution Factor		1.00				
Compound	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	0.50	0.54		1	0.50	0.50
Bromodichloromethane	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	0.50	<SRL	U	1	0.50	0.50
Heptane	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	0.50	<SRL	U	1	0.50	0.50
Toluene	0.50	34.9		1	0.50	0.50
2-Hexanone (MBK)	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	1.00	<SRL	U	1	1.00	1.00
Bromoform	0.50	<SRL	U	1	0.50	0.50
Styrene	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	0.50	<SRL	U	1	0.50	0.50
o-Xylene	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery				113%		70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

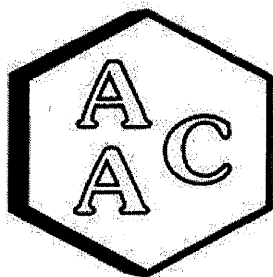
CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-11 0919			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48897				231857-48898				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.56		1	0.50	0.51		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	23.6		1	5.00	22.9		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	35.7		1	2.00	32.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	14.2		1	2.00	16.0		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	7.82		1	2.00	7.82		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.05		1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.26		1	0.50	1.28		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

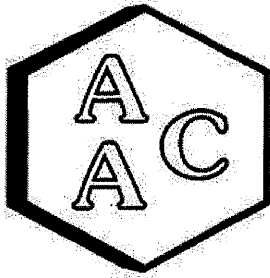
DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-11 0919			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48897				231857-48898				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.53		1	0.50	0.62		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	17.0		1	0.50	24.5		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		114%				113%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

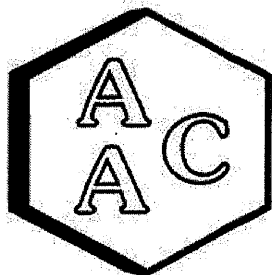
DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-07 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48899				231857-48900				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.53		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	22.0		1	5.00	19.8		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	35.8		1	2.00	34.5		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.2		1	2.00	13.0		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	7.43		1	2.00	6.67		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.18		1	0.50	1.20		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

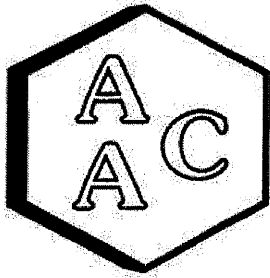
DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-07 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48899				231857-48900				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.59		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	24.2		1	0.50	16.6		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		115%				115%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

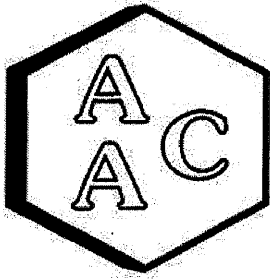
CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48901				231857-48902				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/20/2023				09/20/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.53	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	17.5	U	1	5.00	22.8	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	28.5	U	1	2.00	34.4	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.8	U	1	2.00	14.3	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	6.79	U	1	2.00	7.76	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.10	U	1	0.50	1.31	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

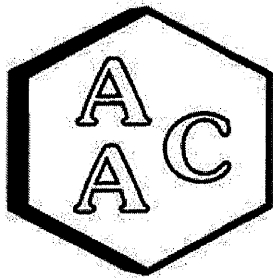
DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		S End Lincoln			MS-12			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID		231857-48901			231857-48902				
Date Sampled		09/19/2023			09/19/2023			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
Date Analyzed		09/20/2023			09/20/2023				
Can Dilution Factor		1.00			1.00			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
Compound		Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.74	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	12.9	U	1	0.50	14.8	U	1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		116%			114%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

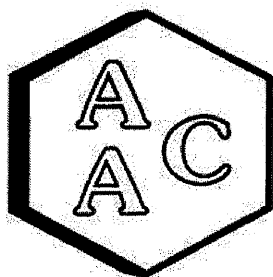
CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### 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		231857-48903				231857-48904				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/21/2023				09/21/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.51	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	25.1	U	1	5.00	24.5	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	44.2	U	1	2.00	35.7	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.3	U	1	2.00	16.0	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.74	U	1	2.00	6.87	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.06	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.42	U	1	0.50	1.47	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

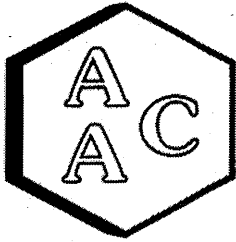
DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### 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		231857-48903				231857-48904				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/21/2023				09/21/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.79	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	0.68	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	10.9	U	1	0.50	15.4	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BBB-Surrogate Std. % Recovery		113%				114%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

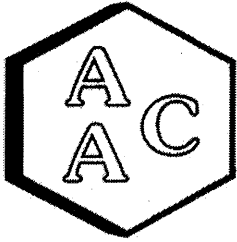
## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-05 0919			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02-0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231857-48905				231857-48906				
<i>Date Sampled</i>		09/19/2023				09/19/2023				
<i>Date Analyzed</i>		09/21/2023				09/21/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	1.27		1	1.00	1.04		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.92		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	30.6		1	5.00	29.0		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	29.3		1	2.00	117	E	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	49.3		1	2.00	42.4		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	1.46		1	0.50	0.50	
2-Propanol (IPA)	4.37		1	2.00	9.46		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.27		1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.94		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	0.66		1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.46		1	0.50	2.59		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.73		1	0.50	0.77		1	0.50	0.50	



# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

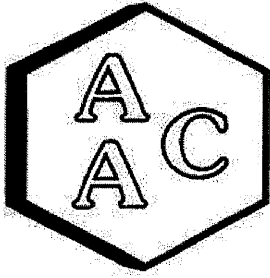
DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-05 0919			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02-0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231857-48905				231857-48906				
<i>Date Sampled</i>		09/19/2023				09/19/2023				
<i>Date Analyzed</i>		09/21/2023				09/21/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	1.04		1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	0.70		1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	64.5		1	0.50	62.5		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	1.44		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	0.60		1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
<b>BFB-Surrogate Std. % Recovery</b>			115%				113%		70-130%	

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

E- Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.



# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

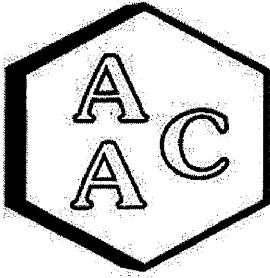
DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Working Face 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction-2 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48907				231857-48908				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/21/2023				09/21/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	11.1		1	1.00	5.31		1	1.00	1.00	
Dichlorodifluoromethane	2.85		1	0.50	0.56		1	0.50	0.50	
Chloromethane	3.44		1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	88.9		1	5.00	36.2		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	1510	E	1	2.00	85.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	90.5		1	2.00	37.0		1	2.00	2.00	
Trichlorofluoromethane	4.69		1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	46.0		1	2.00	13.9		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	12.5		1	1.00	12.2		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	2.47		1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	30.5		1	0.50	2.16		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	25.8		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.89		1	0.50	18.4		1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

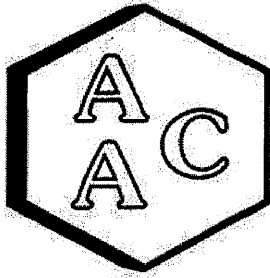
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Working Face 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction-2 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48907				231857-48908				
Date Sampled		09/19/2023				09/19/2023				
Date Analyzed		09/21/2023				09/21/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	1.06		1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.50		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	1.39		1	0.50	0.53		1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	1.25		1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	52.9		1	0.50	39.3		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.74		1	0.50	1.00		1	0.50	0.50	
m & p-Xylene	2.49		1	1.00	1.43		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	0.69		1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	0.80		1	0.50	0.54		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BBB-Surrogate Std. % Recovery		114%				114%			70-130%	

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

E- Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

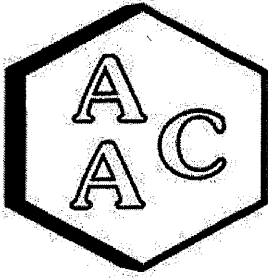
CLIENT : SCS Engineers  
 PROJECT NO : 231857  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/20/2023  
 DATE REPORTED : 09/22/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-04 0919			Sample Reporting Limit (SRL) (MRLxDF's)	MS-03 0919			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231857-48909				231857-48910				
Date Sampled		09/19/2023			09/19/2023					
Date Analyzed		09/21/2023			09/21/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.51		1	0.50	0.50		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	24.7		1	5.00	21.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	43.1		1	2.00	39.1		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.8		1	2.00	14.1		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	9.22		1	2.00	8.30		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.42		1	0.50	1.39		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 231857  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

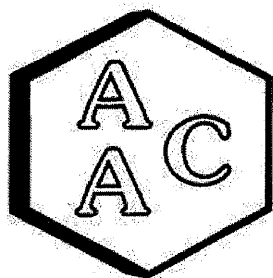
**DATE RECEIVED :** 09/20/2023  
**DATE REPORTED :** 09/22/2023  
**ANALYST :** DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-04 0919			Sample Reporting Limit (SRL) (MRL×DF's)	MS-03 0919			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		231857-48909				231857-48910				
<i>Date Sampled</i>		09/19/2023				09/19/2023				
<i>Date Analyzed</i>		09/21/2023				09/21/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.96		1	0.50	0.63		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	25.5		1	0.50	18.6		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
<b>BBB-Surrogate Std. % Recovery</b>			115%				113%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/21/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MSI-051623-01  
 ANALYST : DL

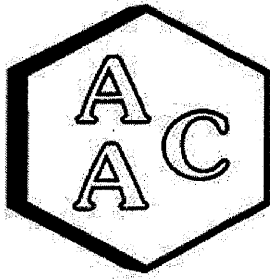
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	10.80	115
Chlorodifluoromethane	5.20	4.38	84
Propene	5.30	3.83	72
Dichlorodifluoromethane	5.20	4.87	94
Dimethyl Ether	5.10	3.61	71
Chloromethane	5.20	4.12	79
Dichlorotetrafluoroethane	5.15	5.00	97
Vinyl Chloride	5.25	4.27	81
Acetaldehyde	10.55	8.67	82
Methanol LR	9.40	6.20	66
1,3-Butadiene	5.30	4.15	78
Bromomethane	5.20	5.34	103
Chloroethane	5.15	4.08	79
Dichlorofluoromethane	5.10	4.36	85
Ethanol LR	5.60	3.82	68
Vinyl Bromide	5.05	4.49	89
Acrolein	5.55	4.21	76
Acetone	5.30	3.98	75
Trichlorofluoromethane	5.25	5.07	97
2-Propanol (IPA)	5.50	4.02	73
Acrylonitrile	5.60	4.18	75
1,1-Dichloroethene	5.20	4.43	85
Methylene Chloride (DCM)	5.25	4.37	83
TertButanol (TBA)	5.55	4.44	80
Allyl Chloride	5.10	4.00	78
Carbon Disulfide	5.25	4.30	82
Trichlorotrifluoroethane	5.20	5.07	98
trans-1,2-Dichloroethene	5.30	4.44	84
1,1-Dichloroethane	5.25	4.40	84
Methyl Tert Butyl Ether (MTBE)	5.25	4.30	82
Vinyl Acetate	5.50	4.23	77
2-Butanone (MEK)	5.30	4.25	80
cis-1,2-Dichloroethene	5.25	4.59	87
Hexane	5.35	5.06	95
Chloroform	5.30	4.83	91
Ethyl Acetate	5.30	3.95	75
Tetrahydrofuran	5.10	3.79	74
1,2-Dichloroethane	5.25	4.76	91
1,1,1-Trichloroethane	5.20	5.14	99
Benzene	5.30	4.64	88
Carbon Tetrachloride	5.10	6.06	119
Cyclohexane	5.25	4.51	86

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.39	84
Bromodichloromethane	5.20	5.04	97
1,4-Dioxane	5.20	5.56	107
Trichloroethene (TCE)	5.20	4.82	93
2,2,4-Trimethylpentane	5.00	3.96	79
Methyl Methacrylate	5.50	4.90	89
Heptane	5.25	4.69	89
cis-1,3-Dichloropropene	5.20	4.51	87
4-Methyl-2-pentanone (MiBK)	5.20	5.56	107
trans-1,3-Dichloropropene	5.25	4.79	91
1,1,2-Trichloroethane	5.25	5.18	99
Toluene	5.30	5.13	97
2-Hexanone (MBK)	5.25	5.53	105
Dibromochloromethane	5.15	5.46	106
1,2-Dibromoethane	5.30	5.16	97
Tetrachloroethene (PCE)	5.20	5.35	103
Chlorobenzene	5.30	4.82	91
Ethylbenzene	5.25	4.97	95
m & p-Xylene	10.50	10.14	97
Bromoform	5.25	5.69	108
Styrene	5.25	5.03	96
1,1,2,2-Tetrachloroethane	5.25	5.00	95
o-Xylene	5.25	4.94	94
1,2,3-Trichloropropane	5.50	5.43	99
Isopropylbenzene (Cumene)	5.15	5.03	98
α-Pinene	5.35	4.95	93
2-Chlorotoluene	5.15	4.92	96
n-Propylbenzene	5.05	4.83	96
4-Ethyltoluene	5.15	5.07	98
1,3,5-Trimethylbenzene	5.15	4.98	97
β-Pinene	5.50	5.40	98
1,2,4-Trimethylbenzene	5.15	4.97	97
Benzyl Chloride (a-Chlorotoluene)	5.20	4.51	87
1,3-Dichlorobenzene	5.20	5.19	100
1,4-Dichlorobenzene	5.15	5.16	100
Sec-ButylBenzene	5.05	4.91	97
1,2-Dichlorobenzene	5.30	5.16	97
n-ButylBenzene	5.10	4.92	96
1,2-Dibromo-3-Chloropropane	5.05	4.74	94
1,2,4-Trichlorobenzene	5.50	5.66	103
Naphthalene	5.75	5.81	101
Hexachlorobutadiene	5.50	5.81	106

<sup>1</sup> Concentration of analyte compound in certified source standard.  
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).  
<sup>3</sup> The acceptable range for analyte recovery is 100±30%.  
 LR - Recovery for this compound was low; results should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/21/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

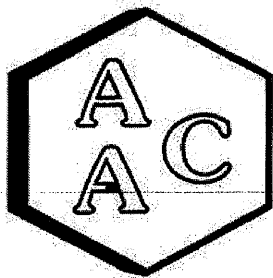
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	10.80	10.62	115	113	1.7
1,1-Dichloroethene	0.0	5.20	4.43	4.48	85	86	1.1
Methylene Chloride (DCM)	0.0	5.25	4.37	4.37	83	83	0.0
Benzene	0.0	5.30	4.64	4.78	88	90	3.0
Trichloroethene (TCE)	0.0	5.20	4.82	5.11	93	98	5.8
Toluene	0.0	5.30	5.13	5.16	97	97	0.6
Tetrachloroethene (PCE)	0.0	5.20	5.35	5.56	103	107	3.8
Chlorobenzene	0.0	5.30	4.82	5.07	91	96	5.1
Ethylbenzene	0.0	5.25	4.97	5.06	95	96	1.8
m & p-Xylene	0.0	10.50	10.14	10.37	97	99	2.2
o-Xylene	0.0	5.25	4.94	5.01	94	95	1.4

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 09/21/2023

INSTRUMENT ID : GC/MS-03

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

UNITS : PPB (v/v)

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 092123	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 092123	Reporting Limit (RL)
4-BFB (surrogate standard)	109%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	2.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MIBK)	<RL	1.0
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	0.5	2-Hexanone (MBK)	<RL	2.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	1.0	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	0.5
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	1.0	β-Pinene	<RL	0.5
2-Butanone (MEK)	<RL	1.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-ButylBenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-ButylBenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	1.0
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5



**QUALITY CONTROL / QUALITY ASSURANCE REPORT**

ANALYSIS DATE : 09/21/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1

**VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15**

Duplicate Analysis of AAC Sample ID: 231856-48894

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	10.8	11.2	3.6
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	<SRL	NA
Methanol	14.7	13.6	7.9
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	9.14	9.03	1.2
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	4.73	5.06	6.7
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	1.63	1.75	7.1
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

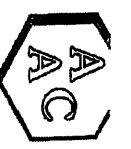
Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<SRL	<SRL	NA
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	NA
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	0.52	0.52	0.0
2-Hexanone (MBK)	<SRL	<SRL	NA
Dibromochloromethane	<SRL	<SRL	NA
1,2-Dibromoethane	<SRL	<SRL	NA
Tetrachloroethene (PCE)	<SRL	<SRL	NA
Chlorobenzene	<SRL	<SRL	NA
Ethylbenzene	<SRL	<SRL	NA
m & p-Xylene	<SRL	<SRL	NA
Bromoform	<SRL	<SRL	NA
Styrene	<SRL	<SRL	NA
1,1,2,2-Tetrachloroethane	<SRL	<SRL	NA
o-Xylene	<SRL	<SRL	NA
1,2,3-Trichloropropane	<SRL	<SRL	NA
Isopropylbenzene (Cumene)	<SRL	<SRL	NA
α-Pinene	<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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

231857



**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**  
CHIOUITA  
**Project Number**  
01204123.21 TASK 22

(OFF)

**Analysis Requested**

**AAC Project No.:**

**Send Report To (Name/Email/Address)**  
pschaf@scsengineers.com

**Turnaround Time**

- Rush 24 h
- Same Day
- Rush 48 h
- 5 Days
- Rush 72 h
- Normal

**Sampler Name**

**Print:** Armando Hurtado  
**Signature:** *Armando Hurtado*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	EDD?	Date
SCV - 0919	48895	9/19	1109		X	X	<input type="checkbox"/> Yes <input type="checkbox"/> No	
MS-10 0919	48896		1134		X	X		
MS-11 0919	48897		1202		X	X		
MS-06 0919	48898		1252		X	X		
<del>MS-03 0919</del>								
<del>MS-07 0919</del>	48899		1354		X	X		
Chiquito Can Rd 0919	48899	9/20/23	1401		X	X		
S End Union	48901		1408		X	X		
MS-12	48902		1416		X	X		
MS-08	48903		1430		X	X		
MS-09	48904		1444		X	X		

**Client Notes/Special Instructions:**

SCV is empty (Bag popped)

**Relinquished By**  
**Print:** *Armando Hurtado*  
**Signature:** *Armando Hurtado*

**Date**  
9/19/23

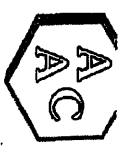
**Received By**  
**Print:** *Armando Hurtado*  
**Signature:** *Armando Hurtado*

**Date**  
9/19/23

**EDD?**  
 Yes  
 No



231857



**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**  
CHIOUITA  
**Project Number**  
01204123.21 TASK 22  
(on)

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschaf@scsengineers.com

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

**Sampler Name**  
Print: Armande Hurtado  
Signature: Paul Schaf

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-05-0919	48905	9/19	0708	yellow 1	307.91 SULFUR TO-15 FULL LIST	<input type="checkbox"/> Yes <input type="checkbox"/> NO
MS-02-0919	48906		0733			
Working Fee 0919	48907		0808			
Recharge-2 0919	48908		0930			
MS-04-0919	48909		1332			
MS-03-0919	48910		1306			

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Armande Hurtado  
Signature: Armande Hurtado

**Relinquished By**  
Print: Paul Schaf  
Signature: Paul Schaf

**Date** 9/19/23

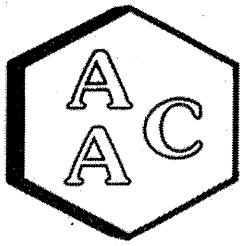
**Received By**  
Print: [Signature]  
Signature: [Signature]

**Date** 9/19/23

**EDD?**  
 Yes  
 NO

**Date** 9/19/23

**Time** 0647



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (Off)  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 231857  
REPORT DATE : 09/21/2023

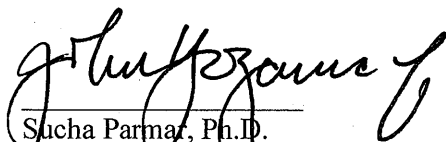
On September 19<sup>th</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No
SCV_0919	231857-48895	MS-08	231857-48903
MS-10 0919	231857-48896	MS-09	231857-48904
MS-11 0919	231857-48897	MS-05_0919	231857-48905
MS-06 0919	231857-48898	MS-02_0919	231857-48906
MS-07 0919	231857-48899	Working Face 0919	231857-48907
Chiquita Cyn Rd 0919	231857-48900	Reaction-2 0919	231857-48908
S End Lincoln	231857-48901	MS-04_0919	231857-48909
MS-12	231857-48902	MS-03_0919	231857-48910

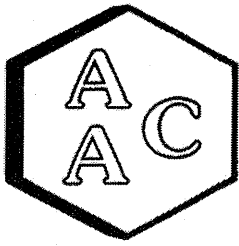
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Sample "SCV\_0919" (AAC ID 231857-48895) was received with low sample volume. Per client's chain of custody, this sample might have been received empty as Tedlar bag popped during sampling process. 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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

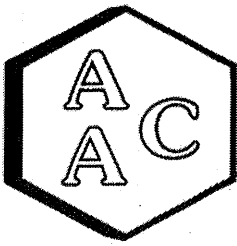
CLIENT : SCS Engineers  
 PROJECT NO. : 231857  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/19/2023  
 RECEIVING DATE : 09/19/2023  
 ANALYSIS DATE : 09/20/2023  
 REPORT DATE : 09/21/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	SCV 0919	MS-10 0919	MS-11 0919	MS-06 0919	MS-07 0919	Chiquita Cyn Rd 0919
AAC ID	231857-48895	231857-48896	231857-48897	231857-48898	231857-48899	231857-48900
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

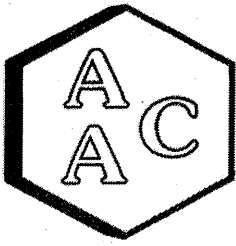
CLIENT : SCS Engineers  
 PROJECT NO. : 231857  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/19/2023  
 RECEIVING DATE : 09/19/2023  
 ANALYSIS DATE : 09/20/2023  
 REPORT DATE : 09/21/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S End Lincoln	MS-12	MS-08	MS-09	MS-05 0919	MS-02 0919
AAC ID	231857-48901	231857-48902	231857-48903	231857-48904	231857-48905	231857-48906
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

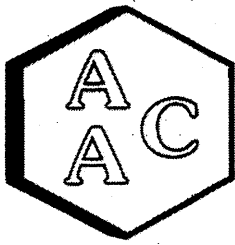
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 231857  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 09/19/2023  
**RECEIVING DATE :** 09/19/2023  
**ANALYSIS DATE :** 09/20/2023  
**REPORT DATE :** 09/21/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	Working Face 0919	Reaction-2 0919	MS-04 0919	MS-03 0919
AAC ID	231857-48907	231857-48908	231857-48909	231857-48910
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/20/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date : 6/13/2023

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	883	0.508	101.7	0.7
Duplicate	865	0.498	99.6	1.4
Triplicate	884	0.509	101.8	0.8

*0.548 ppbV H2S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	900	0.547	99.9	0.4
Duplicate	892	0.542	99.0	1.2
Triplicate	918	0.558	101.9	1.6

*0.479 ppbV H2S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	872	0.481	100.3	1.1
Duplicate	868	0.479	99.9	0.8
Triplicate	845	0.466	97.3	1.9

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28939

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

220521-28939 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.251	0.242	100.5	96.8	3.7
MeSH	<PQL	0.274	0.250	0.252	91.3	92.1	0.8
DMS	<PQL	0.240	0.234	0.229	97.7	95.6	2.2

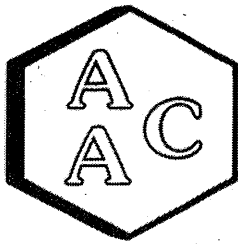
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.546	109.3
MeSH	0.548	0.590	107.8
DMS	0.479	0.495	103.3

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/20/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SSI 289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1868	507	101.4	2.8
Duplicate	1777	482	96.5	2.2
Triplicate	1805	490	98.0	0.6

547.5 ppbV H<sub>2</sub>S (SSI 289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2373	550	100.5	0.5
Duplicate	2388	554	101.1	0.1
Triplicate	2396	556	101.5	0.4

479.0 ppbV H<sub>2</sub>S (SSI 289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2482	469	98.0	0.6
Duplicate	2558	484	101.0	2.4
Triplicate	2454	464	96.9	1.8

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 220521-28941

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	246.2	248.2	98.5	99.3	0.8
MeSH	<PQL	273.8	259.5	262.5	94.8	95.9	1.1
DMS	<PQL	239.5	246.1	251.9	102.7	105.2	2.3

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	492.8	98.6
MeSH	547.5	560.7	102.4
DMS	479.0	510.7	106.6

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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

231857



**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  
**Project Number**  
01204123.21 TASK 22

**Turnaround Time**

- Rush 24 h
- Same Day
- Rush 48 h
- 5 Days
- Rush 72 h
- Normal

**Sampler Name**

**Print:** Armando Hurtado  
**Signature:** *Armando Hurtado*

**Client Sample Name**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty
SCV - 0919	48895	9/19	1109	
MS-10 0919	48896		1134	
MS-11 0919	48897		1202	
MS-16 0919	48898		1252	
<del>MS-03 0919</del>				
<del>MS-04 0919</del>				
MS-07 0919	48899		1354	
Chiquita Cpn Rd 0919	48899	9/19/23	1401	
5 End Marker	48901		1408	
MS-12	48902		1416	
MS-08	48903		1430	
MS-09	48904		1444	

**Analysis Requested**  
307.91 SULFUR  
TO-15 FULL LIST

**Client Notes/Special Instructions:**  
SCV is empty (Bag popped)

**EDD?**  
 Yes  
 No

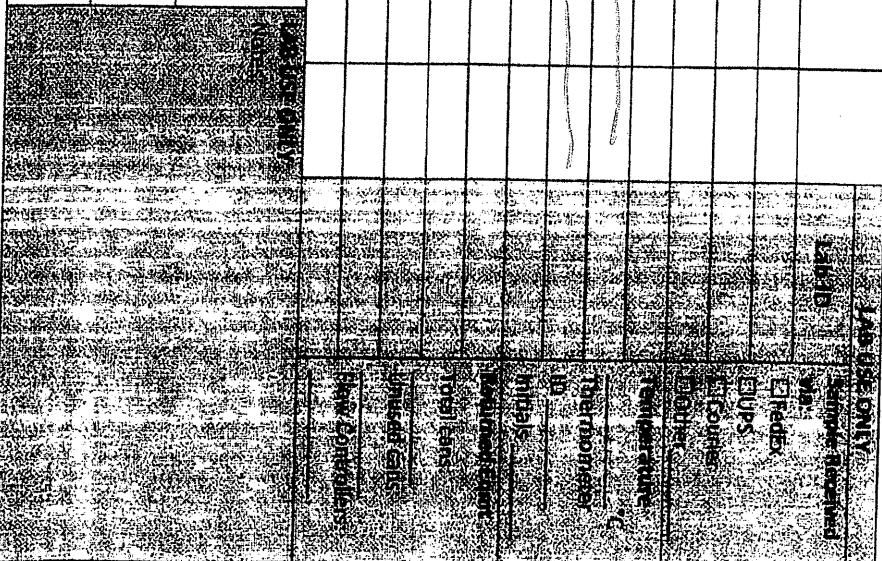
**Relinquished By**  
**Print:** *Paul Schaffer*  
**Signature:** *Paul Schaffer*  
**Date:** 9/19/23

**Received By**  
**Print:** *Armando Hurtado*  
**Signature:** *Armando Hurtado*  
**Date:** 9/19/23

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com

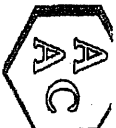
**Send Invoice To (Name/Email/Address)**

**PO Number**





231857



**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@aacadlab.com - 1534 Eastman Ave suite A, Ventura, CA 93003

<b>Client/Company Name</b> SCS ENGINEERS Project Manager Name PAUL SCHAFER	<b>Project Name</b> CHIQUITA <b>Project Number</b> 01204123.21 TASK 22  (on)	<b>AAC Project No.:</b>
<b>Turnaround Time</b> <input type="checkbox"/> Rush 24 h <input type="checkbox"/> Same Day <input type="checkbox"/> Rush 48 h <input type="checkbox"/> 5 Days <input checked="" type="checkbox"/> Rush 72 h <input type="checkbox"/> Normal	<b>Sampler Name</b>  Print: Armando Hurtado Signature: <i>Armando Hurtado</i>	<b>Send Report To (Name/Email/Address)</b> pschafer@scsengineers.com
<b>Client Sample Name</b>	<b>Sample ID</b>	<b>Send Invoice To (Name/Email/Address)</b>

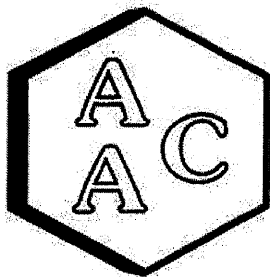
Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?	Date	LAB USE ONLY
MS-05-0919	48905	4/19	0708	Water	307.91 SULFUR	<input type="checkbox"/> Yes <input type="checkbox"/> No		Sample Received <input type="checkbox"/> Packed <input type="checkbox"/> EUIPS <input type="checkbox"/> Counts <input type="checkbox"/> Discharge Temperature Thermocouples Initials Reference Count To fill bars Initials Date/Time
MS-02-0919	48906		0733		TO-15 FULL LIST			
Norway Fee 0919	48907		0808					
Peachey-2 0919	48908		0930					
MS-04-0919	48909		1332					
MS-03-0919	48910		1306					

**Client Notes/Special Instructions:**

Relinquished By: *Armando Hurtado*  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

Relinquished By: *Paul Schaffer*  
Print: *Paul Schaffer*  
Signature: *Paul Schaffer*

Date: 4/19/21  
Time: 0627



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (OFF)  
PROJECT NO. : 01204123.21 Task 22  
AAC PROJECT NO. : 231923  
REPORT DATE : 09/28/2023

On September 26, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

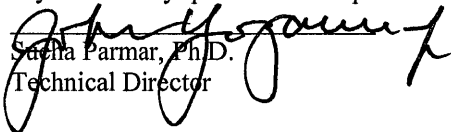
Client ID	Lab ID	Client ID	Lab ID
MS-06	231923-49161	MS-07	231923-49169
MS-12	231923-49162	SCV	231923-49170
MS-10	231923-49163	MS-03	231923-49171
MS-09	231923-49164	Working Face	231923-49172
S End Lincoln	231923-49165	MS-02	231923-49173
Chiquito Cyn Rd	231923-49166	MS-05	231923-49174
MS-11	231923-49167	Reaction	231923-49175
MS-08	231923-49168	MS-04	231923-49176

**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](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. No problems were encountered during receiving, preparation, and/or analysis of these samples.

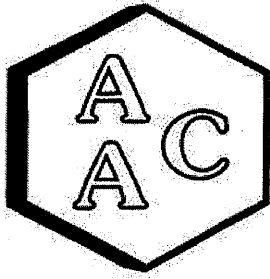
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sacha Parmar, Ph.D.  
Technical Director

This report consists of 23 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

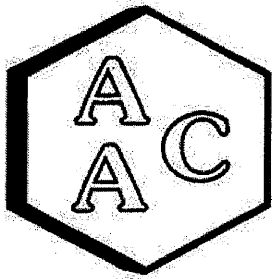
CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
Date Sampled	231923-49161	09/26/2023	U	1	231923-49162	U	1	0.50	0.50
Date Analyzed	09/26/2023	09/27/2023	U	1	09/26/2023	U	1	1.00	1.00
Can Dilution Factor	1.00	1.00	U	1	09/27/2023	U	1	0.50	0.50
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.51	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	13.5	U	1	5.00	24.8	U	1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	26.2	U	1	2.00	35.5	U	1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	13.8	U	1	2.00	20.9	U	1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	5.44	U	1	2.00	4.61	U	1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	1.70	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	1.44	U	1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	1.01	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

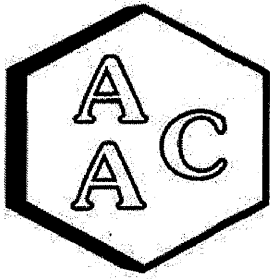
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49161				231923-49162				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.54		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	21.0		1	0.50	40.3		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.57		1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		120%				113%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

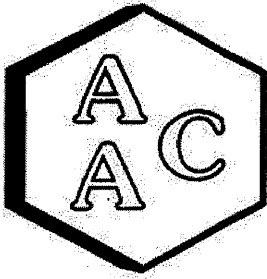
CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49163				231923-49164				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.58		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	14.9		1	5.00	16.2		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	27.4		1	2.00	28.4		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	13.3		1	2.00	24.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	5.75		1	2.00	7.66		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.02		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

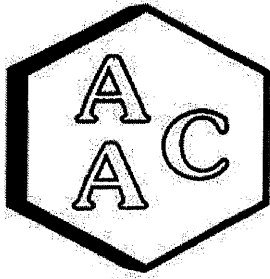
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRL $\times$ DF's)	MS-09			Sample Reporting Limit (SRL) (MRL $\times$ DF's)	Method Reporting Limit (MRL)
AAC ID		231923-49163				231923-49164				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.83		1	0.50	1.05		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	19.2		1	0.50	19.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.66		1	0.50	0.58		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			114%				115%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

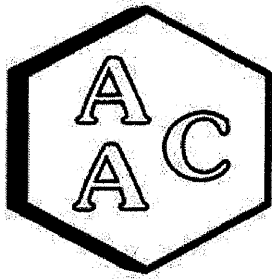
CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### 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		231923-49165				231923-49166				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.57		1	0.50	0.53		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	28.1		1	5.00	24.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	47.4		1	2.00	29.4		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	24.1		1	2.00	21.3		1	2.00	2.00	
Trichlorofluoromethane	0.61		1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	5.73		1	2.00	4.48		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.51		1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.77		1	0.50	1.33		1	0.50	0.50	
Tetrahydrofuran	0.69		1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.92		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

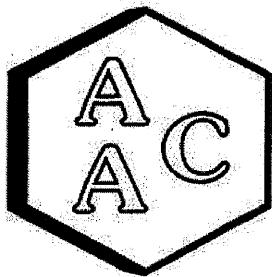
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

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		231923-49165				231923-49166				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	47.2		1	0.50	42.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		114%				114%			70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

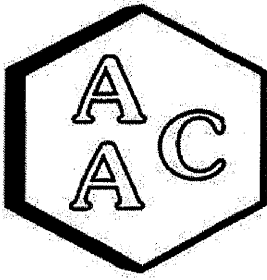
CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49167				231923-49168				
Date Sampled		09/26/2023			09/26/2023					
Date Analyzed		09/27/2023			09/27/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.53		1	0.50	0.54		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	17.6		1	5.00	16.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	27.6		1	2.00	39.9		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.0		1	2.00	16.0		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	4.67		1	2.00	7.04		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.29		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	0.54		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.51		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

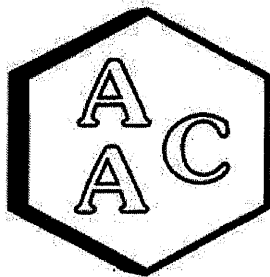
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49167				231923-49168				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.74	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	26.9	U	1	0.50	21.4	U	1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.81	U	1	0.50	0.86	U	1	0.50	0.50	
m & p-Xylene	1.07	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BPB-Surrogate Std. % Recovery		114%				118%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

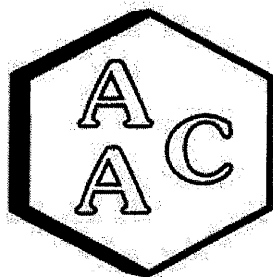
CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49169				231923-49170				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.50		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	25.5		1	5.00	16.9		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	38.3		1	2.00	31.7		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	26.1		1	2.00	12.7		1	2.00	2.00	
Trichlorofluoromethane	0.53		1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	5.86		1	2.00	6.81		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.47		1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.51		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.56		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

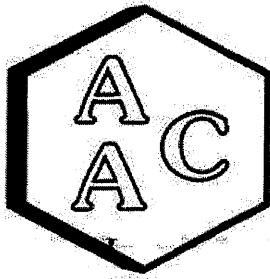
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49169				231923-49170				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.87		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	58.2		1	0.50	14.9		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	0.65		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			117%				118%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

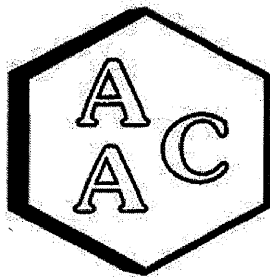
CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49171				231923-49172				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	0.59		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	16.4		1	5.00	27.1		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	28.6		1	2.00	29.8		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	13.6		1	2.00	22.0		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	0.68		1	0.50	0.50	
2-Propanol (IPA)	5.76		1	2.00	4.81		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.28		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	1.37		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.52		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

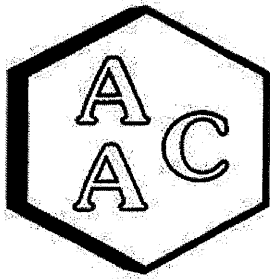
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49171				231923-49172				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.62		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	23.0		1	0.50	47.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.61		1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BBB-Surrogate Std. % Recovery		118%				114%			70-130%	

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

E - Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

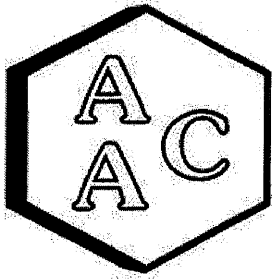
CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49173				231923-49174				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	1.03		1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.53		1	0.50	0.54		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	28.6		1	5.00	24.8		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	34.1		1	2.00	23.8		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	27.2		1	2.00	22.1		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	7.03		1	2.00	4.32		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	3.04		1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.42		1	0.50	1.06		1	0.50	0.50	
Tetrahydrofuran	2.84		1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	1.76		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

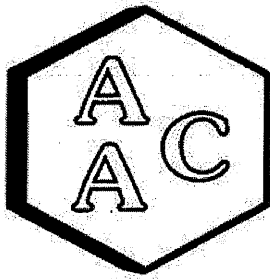
Client ID		MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49173				231923-49174				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.52		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	57.8		1	0.50	41.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	1.01		1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			123%				120%		70-130%	

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

E - Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

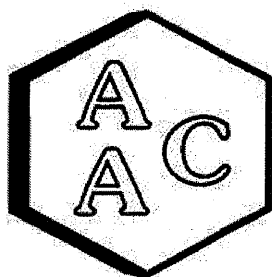
CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL)	MS-04			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	231923-49175			231923-49176	09/26/2023	09/27/2023		
Date Sampled	09/26/2023			(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Date Analyzed	09/27/2023								
Can Dilution Factor	1.00								
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	24.0		1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	0.51		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	62.5		1	5.00	25.6		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	42.7		1	2.00	19.8		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	62.7		1	2.00	22.7		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	34.2		1	2.00	4.60		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	31.2		1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	2.18		1	0.50	1.08		1	0.50	0.50
Tetrahydrofuran	52.1		1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	48.2		1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 231923  
 MATRIX : AIR  
 UNITS : PPB (v/v)

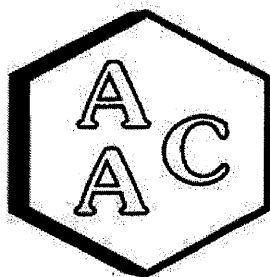
DATE RECEIVED : 09/26/2023  
 DATE REPORTED : 09/28/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		231923-49175				231923-49176				
Date Sampled		09/26/2023				09/26/2023				
Date Analyzed		09/27/2023				09/27/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	1.42		1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	1.84		1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	63.1		1	0.50	52.0		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	1.97		1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	2.63		1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	1.03		1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			116%				119%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/27/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MS1-051623-01  
 ANALYST : DL

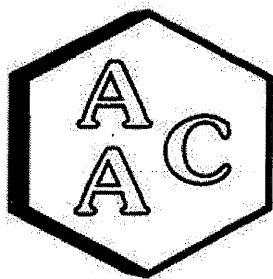
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	10.53	112
Chlorodifluoromethane	5.20	4.41	85
Propene	5.30	3.85	73
Dichlorodifluoromethane	5.20	4.86	93
Dimethyl Ether	5.10	3.62	71
Chloromethane	5.20	4.37	84
Dichlorotetrafluoroethane	5.15	4.92	96
Vinyl Chloride	5.25	4.35	83
Acetaldehyde	10.55	7.73	73
Methanol	9.40	6.70	71
1,3-Butadiene	5.30	4.18	79
Bromomethane	5.20	5.27	101
Chloroethane	5.15	4.41	86
Dichlorofluoromethane	5.10	4.64	91
Ethanol	5.60	4.03	72
Vinyl Bromide	5.05	4.49	89
Acrolein LR	5.55	3.87	70
Acetone	5.30	3.97	75
Trichlorofluoromethane	5.25	5.12	98
2-Propanol (IPA)	5.50	4.08	74
Acrylonitrile	5.60	4.27	76
1,1-Dichloroethene	5.20	4.46	86
Methylene Chloride (DCM)	5.25	4.27	81
TertButanol (TBA)	5.55	4.59	83
Allyl Chloride	5.10	4.14	81
Carbon Disulfide	5.25	4.35	83
Trichlorotrifluoroethane	5.20	5.13	99
trans-1,2-Dichloroethene	5.30	4.77	90
1,1-Dichloroethane	5.25	4.46	85
Methyl Tert Butyl Ether (MTBE)	5.25	4.24	81
Vinyl Acetate	5.50	4.35	79
2-Butanone (MEK)	5.30	4.13	78
cis-1,2-Dichloroethene	5.25	4.51	86
Hexane	5.35	4.65	87
Chloroform	5.30	4.89	92
Ethyl Acetate	5.30	4.05	76
Tetrahydrofuran	5.10	3.94	77
1,2-Dichloroethane	5.25	4.84	92
1,1,1-Trichloroethane	5.20	4.96	95
Benzene	5.30	4.83	91
Carbon Tetrachloride	5.10	6.28	123
Cyclohexane	5.25	4.90	93

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.50	86
Bromodichloromethane	5.20	5.40	104
1,4-Dioxane	5.20	5.91	114
Trichloroethene (TCE)	5.20	4.93	95
2,2,4-Trimethylpentane	5.00	4.26	85
Methyl Methacrylate	5.50	5.01	91
Heptane	5.25	4.80	91
cis-1,3-Dichloropropene	5.20	4.68	90
4-Methyl-2-pentanone (MIBK)	5.20	5.66	109
trans-1,3-Dichloropropene	5.25	4.81	92
1,1,2-Trichloroethane	5.25	5.10	97
Toluene	5.30	5.11	96
2-Hexanone (MBK)	5.25	5.66	108
Dibromochloromethane	5.15	5.61	109
1,2-Dibromoethane	5.30	5.21	98
Tetrachloroethene (PCE)	5.20	5.61	108
Chlorobenzene	5.30	4.89	92
Ethylbenzene	5.25	4.79	91
m & p-Xylene	10.50	9.66	92
Bromoform	5.25	5.51	105
Styrene	5.25	4.90	93
1,1,2,2-Tetrachloroethane	5.25	5.03	96
o-Xylene	5.25	4.82	92
1,2,3-Trichloropropane	5.50	5.34	97
Isopropylbenzene (Cumene)	5.15	4.94	96
α-Pinene	5.35	4.95	93
2-Chlorotoluene	5.15	4.92	96
n-Propylbenzene	5.05	4.76	94
4-Ethyltoluene	5.15	4.87	95
1,3,5-Trimethylbenzene	5.15	4.80	93
β-Pinene	5.50	5.44	99
1,2,4-Trimethylbenzene	5.15	4.79	93
Benzyl Chloride (a-Chlorotoluene)	5.20	4.49	86
1,3-Dichlorobenzene	5.20	5.13	99
1,4-Dichlorobenzene	5.15	5.11	99
Sec-ButylBenzene	5.05	4.79	95
1,2-Dichlorobenzene	5.30	5.36	101
n-ButylBenzene	5.10	4.75	93
1,2-Dibromo-3-Chloropropane	5.05	4.72	93
1,2,4-Trichlorobenzene	5.50	5.64	103
Naphthalene	5.75	5.71	99
Hexachlorobutadiene	5.50	5.74	104

<sup>1</sup> Concentration of analyte compound in certified source standard.  
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).  
<sup>3</sup> The acceptable range for analyte recovery is 100±30%.  
 LR - Recovery for this compound was low; results should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/27/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

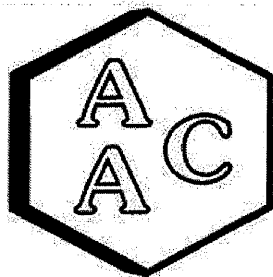
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	10.53	10.68	112	114	1.4
1,1-Dichloroethene	0.0	5.20	4.46	4.74	86	91	6.1
Methylene Chloride (DCM)	0.0	5.25	4.27	4.55	81	87	6.3
Benzene	0.0	5.30	4.83	4.95	91	93	2.5
Trichloroethene (TCE)	0.0	5.20	4.93	5.18	95	100	4.9
Toluene	0.0	5.30	5.11	5.26	96	99	2.9
Tetrachloroethene (PCE)	0.0	5.20	5.61	5.89	108	113	4.9
Chlorobenzene	0.0	5.30	4.89	4.62	92	87	5.7
Ethylbenzene	0.0	5.25	4.79	4.86	91	93	1.5
m & p-Xylene	0.0	10.50	9.66	9.96	92	95	3.1
o-Xylene	0.0	5.25	4.82	4.82	92	92	0.0

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 09/27/2023

INSTRUMENT ID : GC/MS-03

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

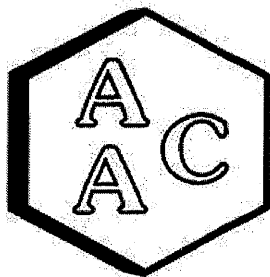
UNITS : PPB (v/v)

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 092723	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 092723	Reporting Limit (RL)
4-BFB (surrogate standard)	114%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	2.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MiBK)	<RL	1.0
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	0.5	2-Hexanone (MBK)	<RL	2.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	1.0	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	0.5
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	1.0	β-Pinene	<RL	0.5
2-Butanone (MEK)	<RL	1.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-ButylBenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-ButylBenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	1.0
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 09/27/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 231922-49160

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	11.0	11.4	3.0
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	0.54	0.53	1.9
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde J	4.19	4.25	1.4
Methanol	15.2	15.6	2.3
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	12.0	12.1	0.4
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	7.24	6.89	5.0
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	2.97	2.98	0.3
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	0.83	0.84	1.2
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 <sup>2</sup>
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<SRL	<SRL	NA
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	NA
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	0.51	0.53	3.8
2-Hexanone (MBK)	<SRL	<SRL	NA
Dibromochloromethane	<SRL	<SRL	NA
1,2-Dibromoethane	<SRL	<SRL	NA
Tetrachloroethene (PCE)	<SRL	<SRL	NA
Chlorobenzene	<SRL	<SRL	NA
Ethylbenzene	<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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

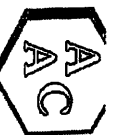
<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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



231 923



**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  
**Project Number**  
01204123.21 TASK 22

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

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

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

Send Invoice To (Name/Email/Address)

**Client Sample Name**  
MS-06  
MS-12  
MS-10  
MS-09  
S End Lincoln  
Chiquito Cyn Rd  
MS-11  
MS-08  
MS-07  
SCV

**Sample ID**  
49161  
49162  
49163  
49164  
49165  
49166  
49167  
49168  
49169  
49170

**Sampling Date**  
9/26  
9/26  
9/26  
9/26  
9/26  
9/26  
9/26  
9/26  
9/26  
9/26

**Sampling Time**  
12:12  
10:48  
11:53  
11:25  
10:38  
10:28  
12:51  
11:10  
10:13  
11:40

**Container Type/Qty**  
Teclac  
Teclac  
Teclac  
Teclac  
Teclac  
Teclac  
Teclac  
Teclac  
Teclac  
Teclac

**Analysis Requested**  
307.91 SULFUR  
TO-15 FULL LIST

**Client Notes/Special Instructions:**

**EDD?**  
 Yes  
 No

**Date**  
9/26/24  
1433

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**Date**  
9/26  
1415

**Received By**  
Print: *Zachary Swartz*  
Signature: *Zachary Swartz*

**Relinquished By**  
Print: *Paul Schaf*  
Signature: *Paul Schaf*

**Date**  
9/26  
1415

**Received By**  
Print: *Zachary Swartz*  
Signature: *Zachary Swartz*

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?	Date
MS-06	49161	9/26	12:12	Teclac	307.91 SULFUR TO-15 FULL LIST	<input type="checkbox"/> Yes <input type="checkbox"/> No	9/26/24 1433
MS-12	49162	9/26	10:48	Teclac	X X		
MS-10	49163	9/26	11:53	Teclac	X X		
MS-09	49164	9/26	11:25	Teclac	X X		
S End Lincoln	49165	9/26	10:38	Teclac	X X		
Chiquito Cyn Rd	49166	9/26	10:28	Teclac	X X		
MS-11	49167	9/26	12:51	Teclac	X X		
MS-08	49168	9/26	11:10	Teclac	X X		
MS-07	49169	9/26	10:13	Teclac	X X		
SCV	49170	9/26	11:40	Teclac	X X		

2-31-923



**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)  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschaf@scsengineers.com

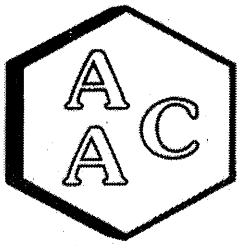
**Turnaround Time**  
 Rush 24 h  Same Day  
 Rush 48 h  5 Days  
 Rush 72 h  Normal

**Sampler Name**  
Print: Armando Hurtado  
Signature: *Armando Hurtado*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	Analysis Requested	EDD? <input type="checkbox"/> Yes <input type="checkbox"/> No	Relinquished By	Date	Received By	Date
MS-03	Y9171	9/26	12:28	Tedlar	X	X			Armando Hurtado	9/26	Zachary Smith	9/26/23
Working Face	Y9172		09:46		X	X						
MS-02	Y9173		09:30		X	X						
MS-05	Y9174		08:24		X	X						
Reaction	Y9175		09:09		X	X						
MS-04	Y9176		08:52		X	X						
Client Notes/Special Instructions:												
Relinquished By												
Print: Armando Hurtado												
Signature: <i>Armando Hurtado</i>												
Relinquished By												
Print: <i>Paul Schaf</i>												
Signature: <i>Paul Schaf</i>												





# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (Off)  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 231923  
REPORT DATE : 09/28/2023

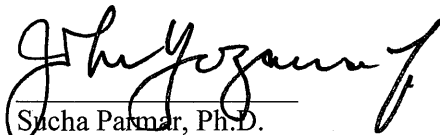
On September 26<sup>th</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No
MS-06	231923-49161	MS-07	231923-49169
MS-12	231923-49162	SCV	231923-49170
MS-10	231923-49163	MS-03	231923-49171
MS-09	231923-49164	Working Face	231923-49172
S End Lincoln	231923-49165	MS-02	231923-49173
Chiquito Cyn Rd	231923-49166	MS-05	231923-49174
MS-11	231923-49167	Reaction	231923-49175
MS-08	231923-49168	MS-04	231923-49176

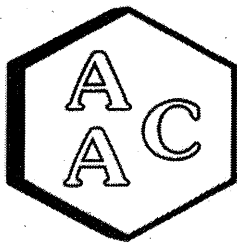
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

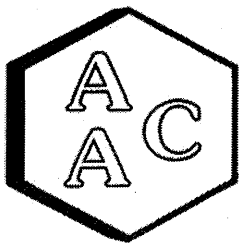
CLIENT : SCS Engineers  
 PROJECT NO. : 231923  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/26/2023  
 RECEIVING DATE : 09/26/2023  
 ANALYSIS DATE : 09/26-27/2023  
 REPORT DATE : 09/28/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-12	MS-10	MS-09	S End Lincoln	Chiquito Cyn Rd
AAC ID	231923-49161	231923-49162	231923-49163	231923-49164	231923-49165	231923-49166
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

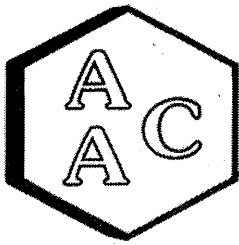
CLIENT : SCS Engineers  
 PROJECT NO. : 231923  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 09/26/2023  
 RECEIVING DATE : 09/26/2023  
 ANALYSIS DATE : 09/27/2023  
 REPORT DATE : 09/28/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-11	MS-08	MS-07	SCV	MS-03	Working Face
AAC ID	231923-49167	231923-49168	231923-49169	231923-49170	231923-49171	231923-49172
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

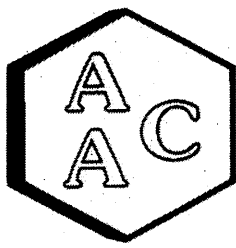
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 231923  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 09/26/2023  
**RECEIVING DATE :** 09/26/2023  
**ANALYSIS DATE :** 09/27/2023  
**REPORT DATE :** 09/28/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-02	MS-05	Reaction	MS-04
AAC ID	231923-49173	231923-49174	231923-49175	231923-49176
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/26/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1893	514	102.8	2.0
Duplicate	1838	499	99.8	0.9
Triplicate	1835	498	99.6	1.1

*547.5 ppbV MeSH (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2320	538	98.3	1.4
Duplicate	2429	563	102.9	3.2
Triplicate	2310	536	97.8	1.8

*479.0 ppbV DMS (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2561	484	101.1	1.1
Duplicate	2487	470	98.2	1.9
Triplicate	2554	483	100.8	0.8

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

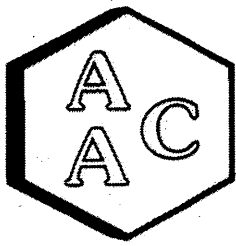
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	253.2	249.8	101.3	100.0	1.3
MeSH	<PQL	273.8	291.3	294.1	106.4	107.4	0.9
DMS	<PQL	239.5	248.3	244.5	103.7	102.1	1.6

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	486.8	97.4
MeSH	547.5	535.5	97.8
DMS	479.0	511.1	106.7

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD from SSAS

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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report

SCAQMD 307.91

Date Analyzed: 9/26/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID : SCD-BTU  
 Calb. Date : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	856	0.493	98.6	0.9
Duplicate	873	0.502	100.5	1.1
Triplicate	861	0.496	99.2	0.3

*0.548 ppbV H2S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	918	0.558	101.9	1.6
Duplicate	886	0.538	98.4	2.0
Triplicate	907	0.551	100.7	0.4

*0.479 ppbV H2S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	883	0.487	101.6	1.2
Duplicate	873	0.481	100.5	0.1
Triplicate	861	0.475	99.1	1.3

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.269	0.257	107.7	102.9	4.6
MeSH	<PQL	0.274	0.278	0.276	101.6	100.8	0.7
DMS	<PQL	0.240	0.263	0.249	109.8	104.0	5.5

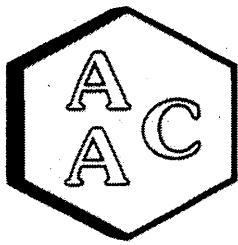
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.469	93.8
MeSH	0.548	0.523	95.5
DMS	0.479	0.470	98.1

\* 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



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 9/27/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SSI 289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	872	0.502	100.4	0.1
Duplicate	861	0.495	99.1	1.4
Triplicate	885	0.509	101.9	1.5

0.548 ppbV H<sub>2</sub>S (SSI 289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	885	0.538	98.2	1.2
Duplicate	911	0.553	101.1	1.7
Triplicate	892	0.542	99.0	0.4

0.479 ppbV H<sub>2</sub>S (SSI 289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	867	0.478	99.7	1.2
Duplicate	852	0.470	98.1	0.5
Triplicate	850	0.469	97.8	0.7

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.254	0.252	101.7	100.9	0.8
MeSH	<PQL	0.274	0.272	0.276	99.4	100.8	1.5
DMS	<PQL	0.240	0.239	0.251	99.8	104.8	4.9

### Closing Calibration Verification Standard

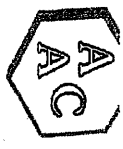
Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.514	102.9
MeSH	0.548	0.568	103.7
DMS	0.479	0.513	107.1

\* 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

231923



**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@aacah.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS  
**Project Manager Name**  
PAUL SCHAFER

**Project Name**  
CHIQUITA  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com

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

**Sampler Name**  
**Print:** Armando Hurtado  
**Signature:** *Armando Hurtado*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty
MS-06	49161	9/26	12:12	Tedlar
MS-12	49162		10:46	
MS-10	49163		11:53	
MS-09	49164		11:25	
S End Lincoln	49165		10:38	
Chiquito Cyn Rd	49166		10:28	
MS-11	49167		12:51	
MS-08	49168		11:10	
MS-07	49169		10:13	
SCV	49170		11:40	

Analysis Requested	307.91 SULFUR	TO-15 FULL LIST
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X
	X	X

LAB USE ONLY	LAB USE ONLY
Sample Received	Sample Received
By:	By:
Date:	Date:
Signature:	Signature:
Turnaround ID:	Turnaround ID:
Initials:	Initials:
Equipment Used:	Equipment Used:
Test Leads:	Test Leads:
Insulated Cans:	Insulated Cans:
Flow Controller:	Flow Controller:

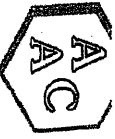
**Client Notes/Special Instructions:**

**Relinquished By**  
**Print:** Armando Hurtado  
**Signature:** *Armando Hurtado*  
**Relinquished By**  
**Print:** Paul Schaffer  
**Signature:** *Paul Schaffer*

**Received By**  
**Print:** Zachary Smith  
**Signature:** *Zachary Smith*  
**Date** 9/26  
**Time** 14:15  
**Received By**  
**Print:** *Zachary Smith*  
**Signature:** *Zachary Smith*  
**Date** 9/26/2021  
**Time** 14:35



231 923



**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)  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**

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

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

**Sampler Name**  
**Print:** Armando Herfado  
**Signature:** *Armando Herfado*

**Send Invoice To (Name/Email/Address)**

**PO Number**

**Client Sample Name**

**Sample ID**      **Sampling Date**      **Sampling Time**      **Container Type/Qty**

307.91 SULFUR

TO-15 FULL LIST

MS-03

49171      9/26      12:28

X

X

Working Face

49172

X

X

MS-02

49173

X

X

MS-05

49174

X

X

Reaction

49175

X

X

MS-04

49176

X

X

**Client Notes/Special Instructions:**

**Relinquished By**  
**Print:** Armando Herfado  
**Signature:** *Armando Herfado*

**Date** 9/26

**Received By**  
**Print:** Zachary Smith  
**Signature:** *Zachary Smith*

**Date** 9/26/23

**Relinquished By**  
**Print:** Paul Schaffer  
**Signature:** *Paul Schaffer*

**Date** 11/15

**Received By**  
**Print:** *[Signature]*  
**Signature:** *[Signature]*

**Date** 11/15

**Signature:**

**Time**

**Signature:**

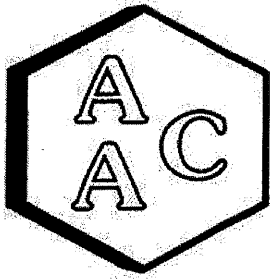
**Time**

**Signature:**

**Time**

**Signature:**

**Time**



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (OFF)  
PROJECT NO. : 01204123.21 Task 22  
AAC PROJECT NO. : 232013  
REPORT DATE : 10/05/2023

On October 3, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

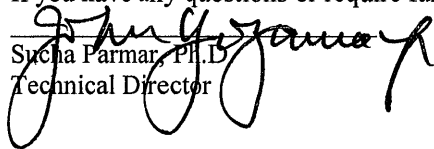
Client ID	Lab ID	Client ID	Lab ID
MS-11	232013-49500	Chiquito Cyn Rd	232013-49508
MS-10	232013-49501	MS-12	232013-49509
S End Lincoln	232013-49502	MS-03	232013-49510
MS-06	232013-49503	MS-05	232013-49511
MS-08	232013-49504	Reaction	232013-49512
MS-07	232013-49505	MS-04	232013-49513
SCV	232013-49506	MS-02	232013-49514
MS-09	232013-49507	Working Face	232013-49515

**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.aacalab.com](http://www.aacalab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. In several samples, multiple analytes were detected over the calibration range, however, a dilution could not be analyzed due to lack of sample. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

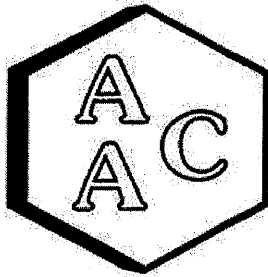
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 23 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

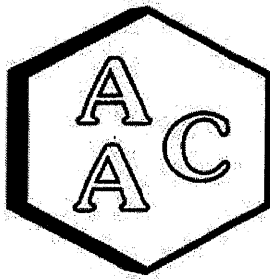
CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
Date Sampled	232013-49500				232013-49501				
Date Analyzed	10/03/2023				10/03/2023				
Can Dilution Factor	10/04/2023				10/04/2023				
	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.51		1	0.50	0.52		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	9.25		1	5.00	14.0		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	8.51		1	2.00	11.2		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	9.51		1	2.00	12.9		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.74		1	0.50	0.90		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

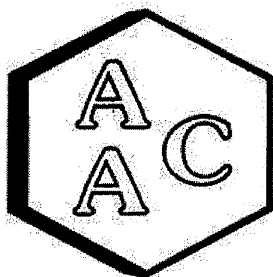
DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49500				232013-49501				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	21.6		1	0.50	20.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			123%				119%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

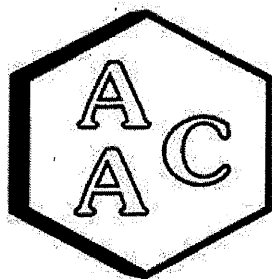
CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
232013-49502									
10/03/2023									
10/04/2023									
1.00									
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.50		1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	11.5		1	5.00	19.2		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	14.8		1	2.00	11.1		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	8.56		1	2.00	20.2		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	2.68		1	2.00	2.11		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allvl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	1.23		1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.82		1	0.50	0.87		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

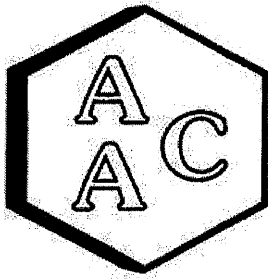
DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		232013-49503	Qualifier	Analysis DF		
Date Sampled	10/03/2023								
Date Analyzed	10/04/2023								
Can Dilution Factor	1.00								
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	12.4		1	0.50	29.5		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		118%				120%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

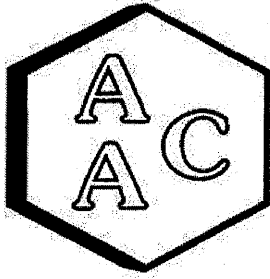
CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49504				232013-49505				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.53		1	0.50	0.52		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	11.3		1	5.00	14.2		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	16.0		1	2.00	45.7		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	12.1		1	2.00	11.3		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	2.51		1	2.00	5.15		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.00		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.82		1	0.50	1.45		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.78		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

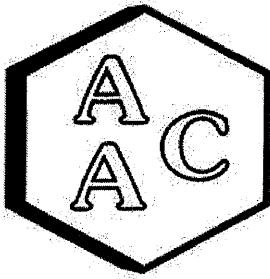
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49504				232013-49505				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	15.7		1	0.50	16.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
DFB-Surrogate Std. % Recovery			119%				123%		70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

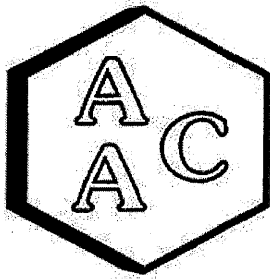
CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49506				232013-49507				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.51		1	0.50	0.52		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	11.1		1	5.00	13.5		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	16.3		1	2.00	14.5		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	10.4		1	2.00	14.6		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	2.36		1	2.00	3.61		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.90		1	0.50	0.81		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

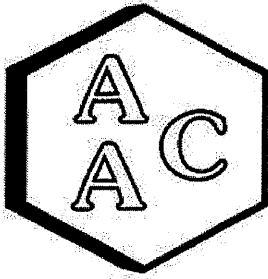
DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49506				232013-49507				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	16.4		1	0.50	14.5		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
m & p-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BPB-Surrogate Std. % Recovery			119%			118%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

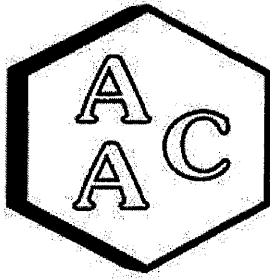
CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49508				232013-49509				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.53		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	13.9		1	5.00	10.9		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	19.2		1	2.00	17.2		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	11.8		1	2.00	12.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	3.64		1	2.00	3.19		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.92		1	0.50	0.91		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.52		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

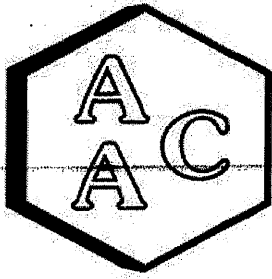
DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Date Sampled	Date Analyzed		232013-49508	10/03/2023	10/04/2023		
Can Dilution Factor	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.50	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	13.7	U	1	0.50	0.50
Toluene	14.9	U	1	2.00	<SRL	U	1	2.00	2.00
2-Hexanone (MBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
m & p-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery			119%				123%		70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

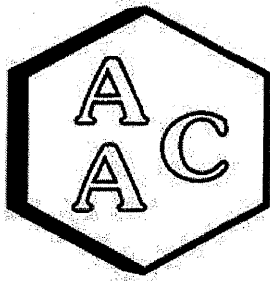
CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49510				232013-49511				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.51		1	0.50	0.51		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	12.0		1	5.00	18.1		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	11.2		1	2.00	25.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	11.3		1	2.00	29.4		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	4.14		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.77		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

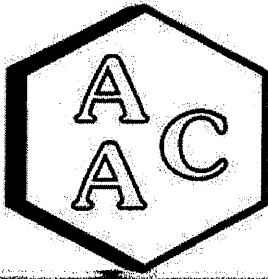
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49510				232013-49511				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	18.1		1	0.50	46.5		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	0.58		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	1.00		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		122%				127%			70-130%	

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

E- Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

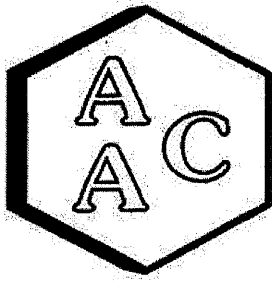
CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49512				232013-49513				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	40.1		1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.54		1	0.50	0.52		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	169		1	5.00	24.4		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	143	E	1	2.00	24.4		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	120	E	1	2.00	31.2		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	70.5		1	2.00	4.15		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	76.5		1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	4.24		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	116	E	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	82.6		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

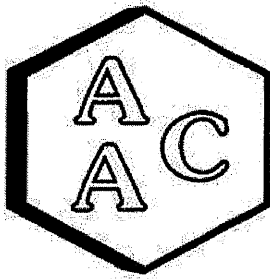
Client ID AAC ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	232013-49512	10/03/2023	10/04/2023		232013-49513	10/03/2023	10/04/2023		
Date Analyzed	10/03/2023	10/04/2023	1.00	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Can Dilution Factor	1.00								
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	0.93		1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	0.55		1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	1.69		1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	5.16		1	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	52.3		1	0.50	45.3		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	4.15		1	0.50	0.52		1	0.50	0.50
m & p-Xylene	4.38		1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	1.64		1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	0.57		1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		120%				123%			70-130%

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

E- Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

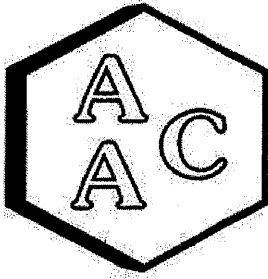
CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232013-49514				232013-49515				
Date Sampled		10/03/2023				10/03/2023				
Date Analyzed		10/04/2023				10/04/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.54		1	0.50	0.54		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	15.6		1	5.00	22.2		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	32.5		1	2.00	226	E	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	11.6		1	2.00	19.3		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	0.69		1	0.50	0.50	
2-Propanol (IPA)	5.85		1	2.00	18.8		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.51		1	1.00	2.28		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.18		1	0.50	4.69		1	0.50	0.50	
Tetrahydrofuran	1.62		1	0.50	0.70		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	1.23		1	0.50	0.61		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232013  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/03/2023  
 DATE REPORTED : 10/05/2023  
 ANALYST : DL

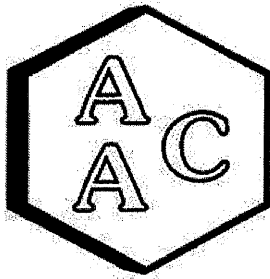
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
Date Sampled	232013-49514				232013-49515				
Date Analyzed	10/03/2023				10/03/2023				
Can Dilution Factor	10/04/2023				10/04/2023				
	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	15.0		1	0.50	16.3		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		123%				122%			70-130%

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

E- Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/04/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MS1-051623-01  
 ANALYST : DL

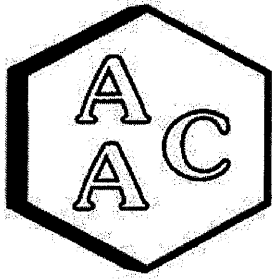
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 07/17/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-PPB (surrogate standard)	0.40	1.40	121
Chlorodifluoromethane	5.20	4.56	88
Propene	5.30	3.81	72
Dichlorodifluoromethane	5.20	5.09	98
Dimethyl Ether	5.10	3.59	70
Chloromethane	5.20	4.04	78
Dichlorotetrafluoroethane	5.15	4.88	95
Vinyl Chloride	5.25	4.64	88
Acetaldehyde	10.55	7.73	73
Methanol	9.40	7.02	75
1,3-Butadiene	5.30	4.01	76
Bromomethane	5.20	5.69	109
Chloroethane	5.15	3.80	74
Dichlorofluoromethane	5.10	4.66	91
Ethanol	5.60	4.37	78
Vinyl Bromide	5.05	4.59	91
Acrolein	5.55	4.23	76
Acetone	5.30	3.88	73
Trichlorofluoromethane	5.25	5.54	106
2-Propanol (IPA)	5.50	4.39	80
Acrylonitrile	5.60	4.09	73
1,1-Dichloroethene	5.20	4.64	89
Methylene Chloride (DCM)	5.25	4.37	83
TertButanol (TBA)	5.55	5.21	94
Allyl Chloride	5.10	4.26	84
Carbon Disulfide	5.25	4.50	86
Trichlorotrifluoroethane	5.20	4.97	96
trans-1,2-Dichloroethene	5.30	4.75	90
1,1-Dichloroethane	5.25	4.49	86
Methyl Tert Butyl Ether (MTBE)	5.25	4.34	83
Vinyl Acetate	5.50	4.47	81
2-Butanone (MEK)	5.30	4.39	83
cis-1,2-Dichloroethene	5.25	4.61	88
Hexane	5.35	4.46	83
Chloroform	5.30	4.89	92
Ethyl Acetate	5.30	4.05	76
Tetrahydrofuran	5.10	3.89	76
1,2-Dichloroethane	5.25	4.92	94
1,1,1-Trichloroethane	5.20	5.18	100
Benzene	5.30	4.80	91
Carbon Tetrachloride	5.10	6.48	127
Cyclohexane	5.25	4.87	93

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	5.25	4.63	88
Bromodichloromethane	5.20	5.36	103
1,4-Dioxane	5.20	6.35	122
Trichloroethene (TCE)	5.20	5.23	101
2,2,4-Trimethylpentane	5.00	4.31	86
Methyl Methacrylate	5.50	5.03	91
Heptane	5.25	5.04	96
cis-1,3-Dichloropropene	5.20	4.82	93
4-Methyl-2-pentanone (MiBK)	5.20	5.78	111
trans-1,3-Dichloropropene	5.25	4.92	94
1,1,2-Trichloroethane	5.25	5.40	103
Toluene	5.30	5.21	98
2-Hexanone (MBK)	5.25	5.68	108
Dibromochloromethane	5.15	5.68	110
1,2-Dibromoethane	5.30	5.38	102
Tetrachloroethene (PCE)	5.20	5.72	110
Chlorobenzene	5.30	4.95	93
Ethylbenzene	5.25	4.88	93
m & p-Xylene	10.50	9.81	93
Bromoform	5.25	5.74	109
Styrene	5.25	5.00	95
1,1,2,2-Tetrachloroethane	5.25	5.03	96
o-Xylene	5.25	4.93	94
1,2,3-Trichloropropane	5.50	5.81	106
Isopropylbenzene (Cumene)	5.15	5.02	97
α-Pinene	5.35	5.14	96
2-Chlorotoluene	5.15	4.92	96
n-Propylbenzene	5.05	4.81	95
4-Ethyltoluene	5.15	5.17	100
1,3,5-Trimethylbenzene	5.15	5.00	97
β-Pinene	5.50	5.61	102
1,2,4-Trimethylbenzene	5.15	4.98	97
Benzyl Chloride (a-Chlorotoluene)	5.20	4.41	85
1,3-Dichlorobenzene	5.20	5.15	99
1,4-Dichlorobenzene	5.15	5.05	98
Sec-ButylBenzene	5.05	4.87	96
1,2-Dichlorobenzene	5.30	5.43	102
n-ButylBenzene	5.10	5.10	100
1,2-Dibromo-3-Chloropropane	5.05	4.85	96
1,2,4-Trichlorobenzene	5.50	5.81	106
Naphthalene	5.75	5.97	104
Hexachlorobutadiene	5.50	5.90	107

<sup>1</sup> Concentration of analyte compound in certified source standard.  
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).  
<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/04/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

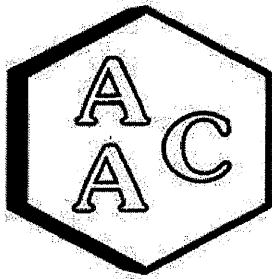
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	11.40	11.38	121	121	0.2
1,1-Dichloroethene	0.0	5.20	4.64	4.39	89	84	5.5
Methylene Chloride (DCM)	0.0	5.25	4.37	4.45	83	85	1.8
Benzene	0.0	5.30	4.80	4.78	91	90	0.4
Trichloroethene (TCE)	0.0	5.20	5.23	5.06	101	97	3.3
Toluene	0.0	5.30	5.21	5.00	98	94	4.1
Tetrachloroethene (PCE)	0.0	5.20	5.72	5.56	110	107	2.8
Chlorobenzene	0.0	5.30	4.95	4.84	93	91	2.2
Ethylbenzene	0.0	5.25	4.88	4.73	93	90	3.1
m & p-Xylene	0.0	10.50	9.81	9.79	93	93	0.2
o-Xylene	0.0	5.25	4.93	4.82	94	92	2.3

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

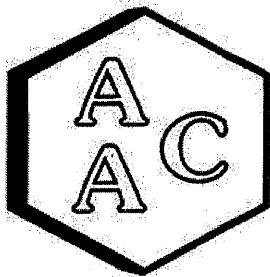
ANALYSIS DATE : 10/04/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 100423	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 100423	Reporting Limit (RL)
4-BFB (surrogate standard)	119%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	2.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MiBK)	<RL	1.0
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	0.5	2-Hexanone (MBK)	<RL	2.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	1.0	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	0.5
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	1.0	β-Pinene	<RL	0.5
2-Butanone (MEK)	<RL	1.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-ButylBenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-ButylBenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	1.0
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/04/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 231922-49160

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	11.6	11.6	0.0
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	5.00	5.19	3.7
Methanol	9.58	9.61	0.3
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	11.0	11.9	7.5
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	6.41	6.90	7.4
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	2.93	2.93	0.0
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	1.20	1.21	0.8
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 <sup>2</sup>
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<SRL	<SRL	NA
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	NA
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	0.62	0.66	6.3
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	<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 (α-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

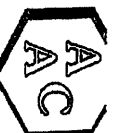
<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



232013



**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 (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: *Avenida Hurtado*  
Signature: *[Signature]*

**Client Sample Name**

**Sample ID**

**Sampling Date**

**Sampling Time**

**Container Type/Qty**

**Analysis Requested**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-11	49500	10/3	1258	teflon 1	307.91 SULFUR TO-15 FULL LIST	<input type="checkbox"/> Yes <input type="checkbox"/> No
MS-10	49501		1142			
S End Lincoln	49502		1020			
MS-06	49503		1228			
MS-08	49504		1039			
MS-07	49505		0940			
BCV	49506		1104			
MS-09	49507		1051			
Chiquita Cyn Rd	49508		1012			
MS-12	49509		1029			

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Avenida Hurtado*  
Signature: *[Signature]*

**Date**  
10/3/23

**Received By**  
Print: *Zachary Smith*  
Signature: *[Signature]*

**Date**  
10/13/23

**EDD?**  
 Yes  
 No

**Relinquished By**  
Print: *[Signature]*  
Signature: *[Signature]*

**Date**  
10/15

**Received By**  
Print: *[Signature]*  
Signature: *[Signature]*

**Date**  
10/22

**EDD?**  
 Yes  
 No

**Relinquished By**  
Print: *[Signature]*  
Signature: *[Signature]*

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
RHUFF@scsengineers.com  
**Send Invoice To (Name/Email/Address)**  
**PO Number**

232013



**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)  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**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: Armands Hurtado  
Signature: [Signature]

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	Analysis Requested
MS-03	49510	10/3	1240	teflon 1	X	X	
MS-05	49511		0743		X	X	
Reaction	49512		0845		X	X	
MS-04	49513		0822		X	X	
MS-02	49514		0907		X	X	
Working Face	49515		0925		X	X	

**LAB USE ONLY**  
 Sample Received: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Sample ID: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Signature: \_\_\_\_\_

**Client Notes/Special Instructions:**

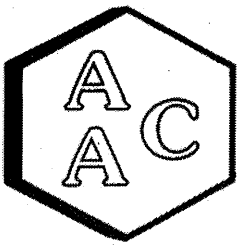
Reinquished By: Armands Hurtado  
 Print: [Signature]  
 Signature: [Signature]  
 Date: 10/3/23  
 Time: 1415

Received By: Zachary Smith  
 Print: [Signature]  
 Signature: [Signature]  
 Date: 10/17/23  
 Time: 1422

**EDD?**  
 Yes  
 No

Date: 10/17/23  
 Time: 1422





## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (Off)  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232013  
REPORT DATE : 10/05/2023

On October 3<sup>rd</sup> 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) 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-11	232013-49500	Chiquito Cyn Rd	232013-49508
MS-10	232013-49501	MS-12	232013-49509
S End Lincoln	232013-49502	MS-03	232013-49510
MS-06	232013-49503	MS-05	232013-49511
MS-08	232013-49504	Reaction	232013-49512
MS-07	232013-49505	MS-04	232013-49513
SCV	232013-49506	MS-02	232013-49514
MS-09	232013-49507	Working Face	232013-49515

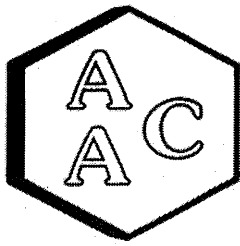
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

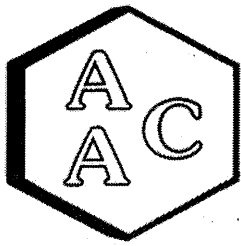
CLIENT : SCS Engineers  
 PROJECT NO. : 232013  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 10/03/2023  
 RECEIVING DATE : 10/03/2023  
 ANALYSIS DATE : 10/03-04/2023  
 REPORT DATE : 10/05/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-11	MS-10	S End Lincoln	MS-06	MS-08	MS-07
AAC ID	232013-49500	232013-49501	232013-49502	232013-49503	232013-49504	232013-49505
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc

## LABORATORY ANALYSIS REPORT

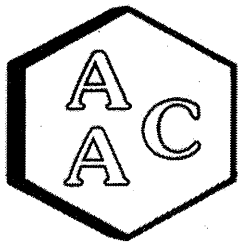
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232013  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/03/2023  
**RECEIVING DATE :** 10/03/2023  
**ANALYSIS DATE :** 10/04/2023  
**REPORT DATE :** 10/05/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	SCV	MS-09	Chiquito Cyn Rd	MS-12	MS-03	MS-05
AAC ID	232013-49506	232013-49507	232013-49508	232013-49509	232013-49510	232013-49511
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

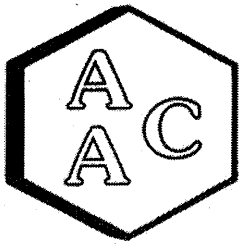
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232013  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/03/2023  
**RECEIVING DATE :** 10/03/2023  
**ANALYSIS DATE :** 10/04/2023  
**REPORT DATE :** 10/05/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	Reaction	MS-04	MS-02	Working Face
AAC ID	232013-49512	232013-49513	232013-49514	232013-49515
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	<b>0.099</b>	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	<b>0.099</b>	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/3/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SS1289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1840	499	99.9	0.8
Duplicate	1825	495	99.1	0.1
Triplicate	1813	492	98.4	0.7

*547.5 ppbV H2S (SS1289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2434	564	103.1	1.9
Duplicate	2339	542	99.1	2.1
Triplicate	2392	555	101.3	0.2

*479.0 ppbV H2S (SS1289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2555	483	100.8	1.6
Duplicate	2481	469	97.9	1.4
Triplicate	2511	475	99.1	0.2

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

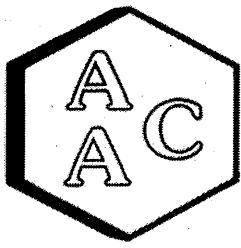
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	264.8	257.1	106.0	102.9	2.9
MeSH	<PQL	273.8	272.9	274.2	99.7	100.1	0.4
DMS	<PQL	239.5	255.9	248.9	106.8	103.9	2.8

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	503.4	100.7
MeSH	547.5	540.1	98.6
DMS	479.0	458.2	95.7

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/4/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1827	496	99.2	2.5
Duplicate	1883	511	102.2	0.5
Triplicate	1909	518	103.6	1.9

*547.5 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2430	564	102.9	0.6
Duplicate	2415	560	102.3	0.0
Triplicate	2400	557	101.7	0.6

*479.0 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2482	469	98.0	3.0
Duplicate	2554	483	100.8	0.1
Triplicate	2637	499	104.1	3.1

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

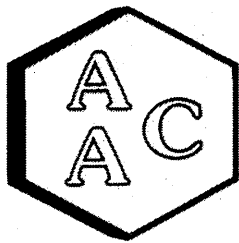
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	254.9	249.3	102.0	99.8	2.2
MeSH	<PQL	273.8	283.2	289.0	103.5	105.6	2.0
DMS	<PQL	239.5	241.7	248.6	100.9	103.8	2.8

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	527.2	105.5
MeSH	547.5	561.3	102.5
DMS	479.0	514.0	107.3

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/4/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	868	0.499	99.9	0.1
Duplicate	858	0.494	98.8	1.0
Triplicate	874	0.503	100.6	0.8

*0.548 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	864	0.525	95.9	3.3
Duplicate	915	0.556	101.5	2.4
Triplicate	901	0.548	100.0	0.9

*0.479 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	867	0.478	99.7	2.6
Duplicate	832	0.459	95.8	1.5
Triplicate	836	0.461	96.2	1.1

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.266	0.268	106.5	107.3	0.7
MeSH	<PQL	0.274	0.284	0.278	103.7	101.6	2.1
DMS	<PQL	0.240	0.253	0.259	105.6	108.1	2.3

### Closing Calibration Verification Standard

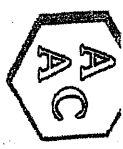
Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.510	102.1
MeSH	0.548	0.563	102.8
DMS	0.479	0.500	104.4

\* 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

2-32013



**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 - 4534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS  
**Project Manager Name**  
PAUL SCHAFER

**Project Name**  
CHIQUITA (05FF)  
**Project Number**  
01204123.21 TASK 22

**Analysis Requested**

**AAC Project No.:**

**Send Report To (Name/Email/Address)**  
pschaf@scsengineers.com  
R.Hoff@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: Armando Horfado  
Signature: [Signature]

**Client Sample Name**

**Sample ID**

307.91 SULFUR

TO-15 FULL LIST

**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty
MS-11	49500	10/3	1256	teflon 1
MS-10	49501		1142	
S End Lincoln	49502		1020	
MS-06	49503		1228	
MS-08	49504		1039	
MS-07	49505		0940	
BCV	49506		1104	
MS-09	49507		1051	
Chiquita Cyn Rd	49508		1012	
MS-12	49509		1029	

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Armando Horfado  
Signature: [Signature]

**Received By**  
Print: Zachary Smith  
Signature: [Signature]

**Date**  
10/13/23

**Date**  
10/15

**Date**  
10/15/23

**EDD?**  
 Yes  
 No

**Date**  
10/22

**LAB USE ONLY**

Sample Received: [ ]  
 Filtered: [ ]  
 Eluted: [ ]  
 C-Columns: [ ]  
 Method: [ ]  
 Sample Name: [ ]  
 ID: [ ]  
 Date: [ ]  
 Location: [ ]  
 Project: [ ]  
 Analyst: [ ]  
 Reviewer: [ ]  
 Approved: [ ]  
 Date: [ ]  
 Signature: [ ]



232013



**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@aacadlab.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS  
**Project Manager Name**  
PAUL SCHAFER

**Project Name**  
CHIOUITA (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: [Signature]

**Client Sample Name**

**Analysis Requested**  
307.91 SULFUR  
TO-15 FULL LIST

Sample ID	Sampling Date	Sampling Time	Container Type/Qty	EDD?
MS-03	10/3	1240	teflon 1	<input type="checkbox"/> Yes <input type="checkbox"/> No
MS-05	49511	0743		
Reaction	49512	0845		
MS-04	49513	0822		
MS-02	49514	0907		
Working Face	49515	0925		

**LAB USE ONLY**  
 Sample Received: [ ]  
 Filtered: [ ]  
 CUPS: [ ]  
 Stamps: [ ]  
 Analyzed: [ ]  
 Analyzed Date: [ ]  
 ID: [ ]  
 Initials: [ ]  
 Analyzed By: [ ]  
 Total Tests: [ ]  
 Number Tests: [ ]  
 New Comments: [ ]

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Armando Hurtado  
Signature: [Signature]

**Relinquished By**  
Print: [Signature]  
Signature: [Signature]

**Date** 10/3/13  
**Time** 1415

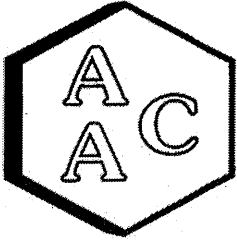
**Received By** [Signature]  
**Signature:** [Signature]

**Date** 10/13/13  
**Time** 1422

**PO Number**

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

**Send Invoice To (Name/Email/Address)**



## Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (OFF)  
PROJECT NO. : 01204123.21 Task 22  
AAC PROJECT NO. : 232066  
REPORT DATE : 10/12/2023

On October 10, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

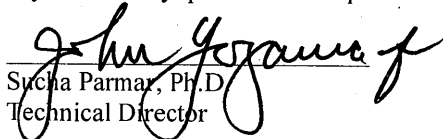
Client ID	Lab ID	Client ID	Lab ID
MS-06	232066-49828	MS-10	232066-49836
Chiquito Cyn Road	232066-49829	MS-09	232066-49837
MS-08	232066-49830	MS-03	232066-49838
MS-07	232066-49831	MS-05	232066-49839
S End Lincoln	232066-49832	MS-04	232066-49840
MS-12	232066-49833	Working Face	232066-49841
SCV	232066-49834	Reaction	232066-49842
MS-11	232066-49835	MS-02	232066-49843

**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](http://www.aaclab.com).

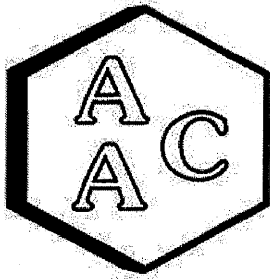
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

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

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 23 pages.



# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

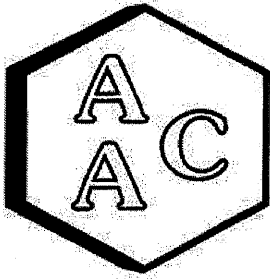
CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-06			Sample Reporting Limit (SRL) (MRL×DF's)	Chiquito Cvn Road			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID		232066-49828				232066-49829				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.71		1	0.50	0.68		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	33.6		1	5.00	33.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	28.0		1	2.00	14.8		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.2		1	2.00	18.8		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.08		1	2.00	2.27		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	1.01		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

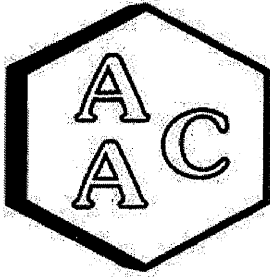
DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Road			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49828				232066-49829				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	14.3		1	0.50	32.5		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.51		1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Hexachlorobutadiene	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
BBB-Surrogate Std. % Recovery		94%				97%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

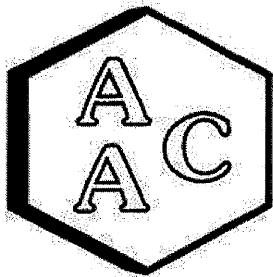
CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
232066-49830	10/10/2023	10/11/2023	1.00						
10/10/2023	10/11/2023	1.00							
10/11/2023	1.00								
1.00									
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	0.72	U	1	0.50	0.73	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	35.3	U	1	5.00	38.0	U	1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	28.6	U	1	2.00	18.9	U	1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	17.8	U	1	2.00	30.5	U	1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	7.37	U	1	2.00	<SRL	U	1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	1.01	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	0.88	U	1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	0.52	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232066  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

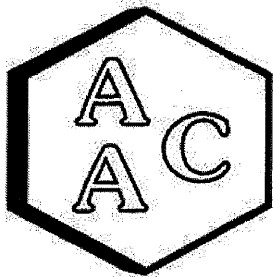
**DATE RECEIVED :** 10/10/2023  
**DATE REPORTED :** 10/12/2023  
**ANALYST :** DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49830				232066-49831				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	20.3		1	0.50	45.5		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.63		1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Hexachlorobutadiene	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
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

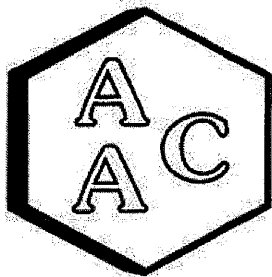
CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>S End Lincoln</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>MS-12</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		<i>232066-49832</i>				<i>232066-49833</i>				
<i>Date Sampled</i>		<i>10/10/2023</i>				<i>10/10/2023</i>				
<i>Date Analyzed</i>		<i>10/11/2023</i>				<i>10/11/2023</i>				
<i>Can Dilution Factor</i>		<i>1.00</i>			<i>1.00</i>					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	2.17		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.68		1	0.50	0.62		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	36.3		1	5.00	35.4		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	29.8		1	2.00	33.3		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.5		1	2.00	24.0		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.60		1	2.00	7.89		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.04		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	0.65		1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.54		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

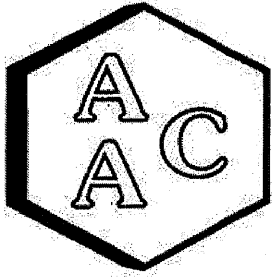
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49832				232066-49833				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	14.8		1	0.50	19.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.53		1	0.50	0.56		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Hexachlorobutadiene	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
BFB-Surrogate Std. % Recovery		98%				99%			70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

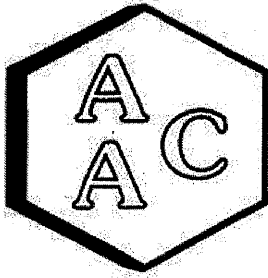
CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49834				232066-49835				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.73		1	0.50	0.72		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	37.2		1	5.00	29.1		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	30.6		1	2.00	28.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	19.3		1	2.00	14.2		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	10.5		1	2.00	8.58		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	1.28		1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.51		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

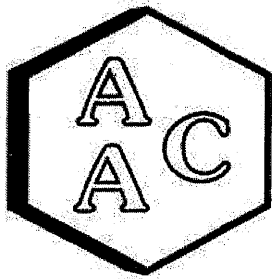
DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49834				232066-49835				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	17.8		1	0.50	11.5		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.76		1	0.50	0.52		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Hexachlorobutadiene	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
BFB-Surrogate Std. % Recovery		98%				98%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

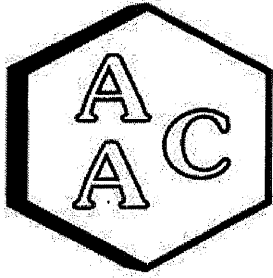
CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49836				232066-49837				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.69		1	0.50	0.76		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	35.4		1	5.00	34.9		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	31.8		1	2.00	31.9		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	21.8		1	2.00	18.4		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.48		1	2.00	9.77		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

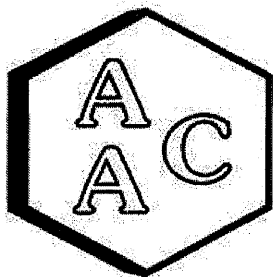
DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
	232066-49836				232066-49837				
Date Sampled	10/10/2023				10/10/2023				
Date Analyzed	10/11/2023				10/11/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.83	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	14.5		1	0.50	17.1		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	0.56		1	0.50	0.55		1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Hexachlorobutadiene	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
BFB-Surrogate Std. % Recovery		98%				97%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

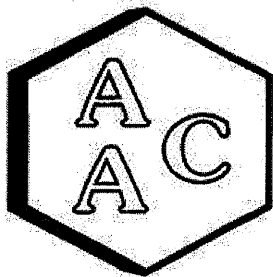
CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49838				232066-49839				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.73		1	0.50	0.66		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	32.7		1	5.00	49.6		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	29.1		1	2.00	28.1		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	19.7		1	2.00	31.1		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	9.14		1	2.00	5.54		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	0.53		1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	1.12		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

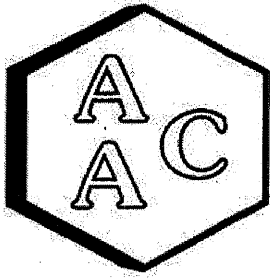
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	AAC ID	Result		
	232066-49838				232066-49839				
Date Sampled	10/10/2023				10/10/2023				
Date Analyzed	10/11/2023				10/11/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	9.89		1	0.50	48.9		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Hexachlorobutadiene	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
BFB-Surrogate Std. % Recovery		97%				97%			70-130%

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

E- Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

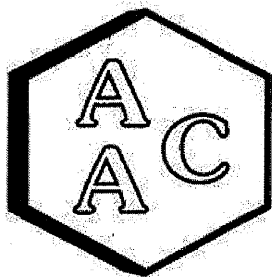
CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49840				232066-49841				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	4.98		1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.84		1	0.50	0.66		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	67.0		1	5.00	42.1		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	35.0		1	2.00	32.2		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	42.7		1	2.00	24.8		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.28		1	2.00	4.72		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	5.51		1	1.00	1.60		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	0.51		1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.70		1	0.50	1.54		1	0.50	0.50	
Tetrahydrofuran	5.98		1	0.50	0.99		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	5.17		1	0.50	1.04		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

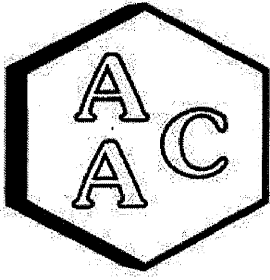
Client ID	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
Date Sampled	232066-49840	<SRL	U	1	0.50	<SRL	U	1	0.50
Date Analyzed	10/10/2023	<SRL	U	1	0.50	<SRL	U	1	0.50
Can Dilution Factor	10/11/2023	<SRL	U	1	0.50	<SRL	U	1	0.50
Compound	1.00	<SRL	U	1	0.50	<SRL	U	1	0.50
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	0.50	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	50.8	U	1	0.50	39.8	U	1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Hexachlorobutadiene	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
BFB-Surrogate Std. % Recovery	98%					99%			70-130%

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

E- Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

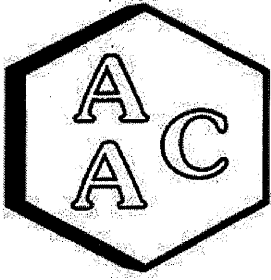
CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232066-49842				232066-49843				
Date Sampled		10/10/2023				10/10/2023				
Date Analyzed		10/11/2023				10/11/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	22.3		1	1.00	1.97		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.64		1	0.50	0.76		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	185		1	5.00	44.8		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	92.5		10	20.0	33.9		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	101		1	2.00	33.5		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	58.0		1	2.00	5.63		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	56.6		1	1.00	3.06		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	0.65		1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	4.68		1	0.50	1.53		1	0.50	0.50	
Tetrahydrofuran	68.2		10	5.00	2.93		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	48.5		1	0.50	1.78		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232066  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/10/2023  
 DATE REPORTED : 10/12/2023  
 ANALYST : DL

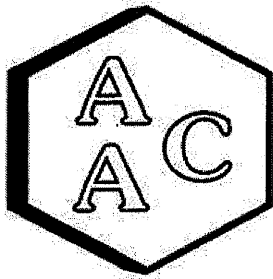
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232066-49842			232066-49843				
Date Sampled	10/10/2023				10/10/2023				
Date Analyzed	10/11/2023				10/11/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	0.53		1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	3.29		1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	48.5		1	0.50	49.5		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	2.62		1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	2.92		1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	1.17		1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Hexachlorobutadiene	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
BFB-Surrogate Std. % Recovery		99%				98%			70-130%

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

E- Compound detected above the Reporting Limit. Insufficient volume in Tedlar Bag for dilution, result should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/11/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MS1-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.45	101
Chlorodifluoromethane	10.40	12.11	116
Propene	10.60	11.89	112
Dichlorodifluoromethane	10.40	11.60	112
Dimethyl Ether	10.20	11.40	112
Chloromethane	10.40	11.46	110
Dichlorotetrafluoroethane	10.30	10.42	101
Vinyl Chloride	10.50	12.19	116
Acetaldehyde	21.10	21.10	100
Methanol	18.80	19.13	102
1,3-Butadiene	10.60	12.87	121
Bromomethane	10.40	10.69	103
Chloroethane	10.30	12.03	117
Dichlorofluoromethane	10.20	11.18	110
Ethanol	11.20	12.22	109
Vinyl Bromide	10.10	10.37	103
Acrolein	11.10	12.93	116
Acetone	10.60	10.78	102
Trichlorofluoromethane	10.50	10.75	102
2-Propanol (IPA)	11.00	12.97	118
Acrylonitrile	11.20	13.37	119
1,1-Dichloroethene	10.40	11.02	106
Methylene Chloride (DCM)	10.50	10.47	100
TertButanol (TBA)	11.10	13.17	119
Allyl Chloride	10.20	10.96	107
Carbon Disulfide	10.50	11.52	110
Trichlorotrifluoroethane	10.40	10.57	102
trans-1,2-Dichloroethene	10.60	11.92	112
1,1-Dichloroethane	10.50	11.76	112
Methyl Tert Butyl Ether (MTBE)	10.50	11.50	110
Vinyl Acetate	11.00	13.62	124
2-Butanone (MEK)	10.60	11.97	113
cis-1,2-Dichloroethene	10.50	11.53	110
Hexane	10.70	11.41	107
Chloroform	10.60	11.37	107
Ethyl Acetate	10.60	12.85	121
Tetrahydrofuran	10.20	11.34	111
1,2-Dichloroethane	10.50	11.63	111
1,1,1-Trichloroethane	10.40	11.11	107
Benzene	10.60	11.27	106
Carbon Tetrachloride	10.20	10.89	107
Cyclohexane	10.50	10.63	101

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	11.92	114
Bromodichloromethane	10.40	11.64	112
1,4-Dioxane	10.40	11.23	108
Trichloroethene (TCE)	10.40	10.65	102
2,2,4-Trimethylpentane	10.00	11.46	115
Methyl Methacrylate	11.00	12.78	116
Heptane	10.50	11.16	106
cis-1,3-Dichloropropene	10.40	11.89	114
4-Methyl-2-pentanone (MiBK)	10.40	12.16	117
trans-1,3-Dichloropropene	10.50	11.70	111
1,1,2-Trichloroethane	10.50	11.06	105
Toluene	10.60	11.11	105
2-Hexanone (MBK)	10.50	12.60	120
Dibromochloromethane	10.30	11.30	110
1,2-Dibromoethane	10.60	11.19	106
Tetrachloroethene (PCE)	10.40	10.52	101
Chlorobenzene	10.60	10.44	98
Ethylbenzene	10.50	11.28	107
m & p-Xylene	21.00	22.12	105
Bromoform	10.50	11.79	112
Styrene	10.50	11.68	111
1,1,2,2-Tetrachloroethane	10.50	11.51	110
o-Xylene	10.50	10.99	105
1,2,3-Trichloropropane	11.00	11.78	107
Isopropylbenzene (Cumene)	10.30	10.67	104
α-Pinene	10.70	11.45	107
2-Chlorotoluene	10.30	10.73	104
n-Propylbenzene	10.10	10.60	105
4-Ethyltoluene	10.30	10.76	104
1,3,5-Trimethylbenzene	10.30	10.98	107
β-Pinene	11.00	12.20	111
1,2,4-Trimethylbenzene	10.30	10.64	103
Benzyl Chloride (a-Chlorotoluene)	10.40	9.68	93
1,3-Dichlorobenzene	10.40	10.84	104
1,4-Dichlorobenzene	10.30	10.64	103
Sec-ButylBenzene	10.10	10.80	107
1,2-Dichlorobenzene	10.60	10.71	101
n-ButylBenzene	10.20	10.62	104
1,2-Dibromo-3-Chloropropane	10.10	10.67	106
1,2,4-Trichlorobenzene	11.00	11.32	103
Naphthalene	11.50	10.93	95
Hexachlorobutadiene	11.00	11.03	100

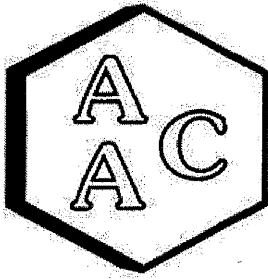
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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 : 10/11/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

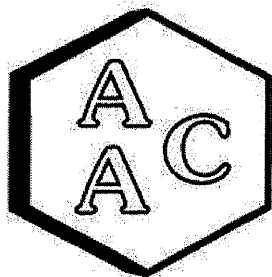
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.45	9.40	101	100	0.5
1,1-Dichloroethene	0.0	10.40	11.02	10.81	106	104	1.9
Methylene Chloride (DCM)	0.0	10.50	10.47	10.27	100	98	1.9
Benzene	0.0	10.60	11.27	11.17	106	105	0.9
Trichloroethene (TCE)	0.0	10.40	10.65	10.61	102	102	0.4
Toluene	0.0	10.60	11.11	10.86	105	102	2.3
Tetrachloroethene (PCE)	0.0	10.40	10.52	10.50	101	101	0.2
Chlorobenzene	0.0	10.60	10.44	10.38	98	98	0.6
Ethylbenzene	0.0	10.50	11.28	11.04	107	105	2.2
m & p-Xylene	0.0	21.00	22.12	21.62	105	103	2.3
o-Xylene	0.0	10.50	10.99	10.84	105	103	1.4

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 10/11/2023

INSTRUMENT ID : GC/MS-04

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

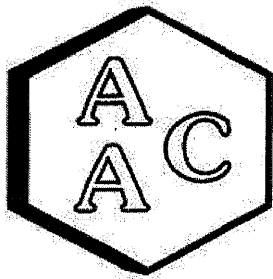
UNITS : PPB (v/v)

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 101123	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 101123	Reporting Limit (RL)
4-BFB (surrogate standard)	94%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	1.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MiBK)	<RL	0.5
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	0.5	2-Hexanone (MBK)	<RL	1.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	1.0	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	0.5
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	1.0	β-Pinene	<RL	0.5
2-Butanone (MEK)	<RL	1.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-ButylBenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-ButylBenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	0.5
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/11/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 231922-49160

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.19	9.12	0.8
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	0.66	0.64	3.1
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	6.73	7.40	9.5
Methanol	11.5	11.6	0.4
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	15.9	15.8	0.3
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	1.81	1.89	4.3
Acetone	9.53	9.46	0.7
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	4.42	4.40	0.5
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	2.58	2.57	0.4
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 <sup>2</sup>
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<SRL	<SRL	NA
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	NA
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	0.73	0.69	5.6
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

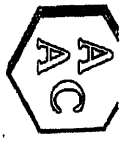
<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



232066



**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

**AAC Project No.:**  
**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:** Armando Hurtado  
**Signature:** *Armando Hurtado*

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-06	49878	10/10	1231	Tedlar 1	307.91 SULFUR TO-15 FULL LIST	<input type="checkbox"/> Yes <input type="checkbox"/> No
Chiquita Cyn Rd	49829		1050			
MS-08	49830		1136			
MS-07	49831		1039			
8 End Lincoln	49832		1104			
MS-12	49833		1122			
SCY	49834		1200			
MS-11	49835		1309			
MS-10	49836		1215			
MS-09	49837		1148			

**Client Notes/Special Instructions:**

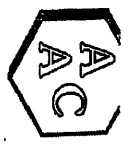
**Relinquished By:** Armando Hurtado  
**Print:** *Armando Hurtado*  
**Signature:** *Armando Hurtado*  
**Date:** 10/10/23

**Relinquished By:** Paul Schaffer  
**Print:** *Paul Schaffer*  
**Signature:** *Paul Schaffer*  
**Date:** 10/10/23

**Received By:** Zachary Swifton  
**Print:** *Zachary Swifton*  
**Signature:** *Zachary Swifton*  
**Date:** 10/10/23

**Received By:** *Zachary Swifton*  
**Print:** *Zachary Swifton*  
**Signature:** *Zachary Swifton*  
**Date:** 10/10/23

232066



**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@aacdab.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: *Paul Schaf*

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST
MS-03	49838	10/10	1144	red cap 1	X	X
MS-05	49839		0824		X	X
MS-04	49840		0927		X	X
<i>Working Barro face</i>	49841		1016		X	X
<i>Reaction</i>	49842		0940		X	X
MS-02	49843		1005		X	X

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Paul Schaf*

**Received By**  
Print: *Zachary Smith*  
Signature: *Zachary Smith*

**Date**  
Time 10/10

**Date**  
Time 10/10/23

**EDD?**  
 Yes  
 No

**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: \_\_\_\_\_

Analysis Requested: \_\_\_\_\_

Container Type: \_\_\_\_\_

Volume: \_\_\_\_\_

Analysis Date: \_\_\_\_\_

Analysis Time: \_\_\_\_\_

Analyst: \_\_\_\_\_

Analyst ID: \_\_\_\_\_

Analyst Signature: \_\_\_\_\_

Analyst Title: \_\_\_\_\_

Analyst Company: \_\_\_\_\_

Analyst Address: \_\_\_\_\_

Analyst Phone: \_\_\_\_\_

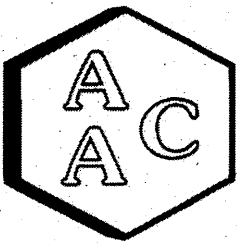
Analyst Email: \_\_\_\_\_

Analyst Fax: \_\_\_\_\_

Analyst Website: \_\_\_\_\_

Analyst Other: \_\_\_\_\_





## Atmospheric Analysis & Consulting, Inc

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (Off)  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232066  
REPORT DATE : 10/12/2023

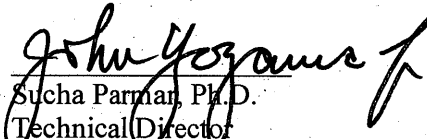
On October 10<sup>th</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No
MS-06	232066-49828	MS-10	232066-49836
Chiquito Cyn Rd	232066-49829	MS-09	232066-49837
MS-08	232066-49830	MS-03	232066-49838
MS-07	232066-49831	MS-05	232066-49839
S End Lincoln	232066-49832	MS-04	232066-49840
MS-12	232066-49833	Working Face	232066-49841
SCV	232066-49834	Reaction	232066-49842
MS-11	232066-49835	MS-02	232066-49843

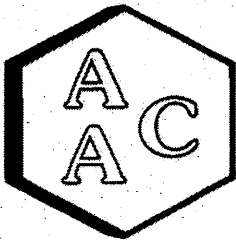
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aacalab.com](http://www.aacalab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

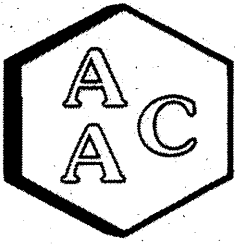
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232066  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/10/2023  
**RECEIVING DATE :** 10/10/2023  
**ANALYSIS DATE :** 10/11/2023  
**REPORT DATE :** 10/12/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	Chiquito Cyn Rd	MS-08	MS-07	S End Lincoln	MS-12
AAC ID	232066-49828	232066-49829	232066-49830	232066-49831	232066-49832	232066-49833
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



**LABORATORY ANALYSIS REPORT**

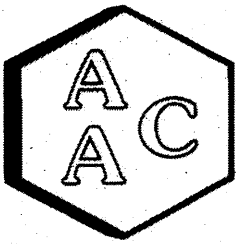
CLIENT : SCS Engineers  
 PROJECT NO. : 232066  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 10/10/2023  
 RECEIVING DATE : 10/10/2023  
 ANALYSIS DATE : 10/11/2023  
 REPORT DATE : 10/12/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	SCV	MS-11	MS-10	MS-09	MS-03	MS-05
AAC ID	232066-49834	232066-49835	232066-49836	232066-49837	232066-49838	232066-49839
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



## LABORATORY ANALYSIS REPORT

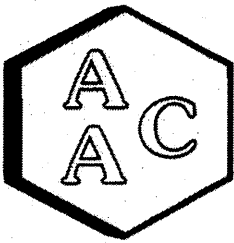
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232066  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/10/2023  
**RECEIVING DATE :** 10/10/2023  
**ANALYSIS DATE :** 10/11/2023  
**REPORT DATE :** 10/12/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-04	Working Face	Reaction	MS-02
AAC ID	232066-49840	232066-49841	232066-49842	232066-49843
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/11/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1878	509	101.9	1.5
Duplicate	1847	501	100.3	0.1
Triplicate	1824	495	99.0	1.4

547.5 ppbV H<sub>2</sub>S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2366	549	100.2	0.9
Duplicate	2305	535	97.6	1.7
Triplicate	2362	548	100.0	0.8

479.0 ppbV H<sub>2</sub>S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2590	490	102.2	2.4
Duplicate	2481	469	97.9	1.9
Triplicate	2519	476	99.4	0.4

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	253.8	256.1	101.6	102.5	0.9
MeSH	<PQL	273.8	274.0	266.8	100.1	97.4	2.7
DMS	<PQL	239.5	243.1	241.9	101.5	101.0	0.5

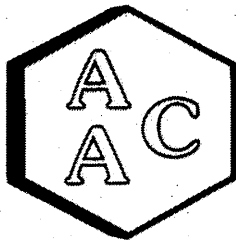
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	498.8	99.8
MeSH	547.5	539.2	98.5
DMS	479.0	470.8	98.3

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV

DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/11/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID : SCD-BTU  
 Calb. Date : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SSI 289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	885	0.509	101.9	0.8
Duplicate	864	0.497	99.4	1.6
Triplicate	884	0.509	101.8	0.7

0.548 ppbV H<sub>2</sub>S (SSI 289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	901	0.547	100.0	0.7
Duplicate	904	0.549	100.3	0.3
Triplicate	916	0.556	101.6	1.0

0.479 ppbV H<sub>2</sub>S (SSI 289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	883	0.487	101.6	1.3
Duplicate	849	0.468	97.7	2.6
Triplicate	884	0.487	101.7	1.4

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.258	0.247	103.3	98.8	4.4
MeSH	<PQL	0.274	0.273	0.263	99.7	96.1	3.7
DMS	<PQL	0.240	0.239	0.237	99.8	99.0	0.8

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.478	95.6
MeSH	0.548	0.528	96.4
DMS	0.479	0.473	98.7

\* 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

232066



**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 I ON / OFF 1  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschaler@sccengineers.com  
rhuff@sccengineers.com

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

**Sampler Name**  
Print: Armando Hurtado  
Signature: *Armando Hurtado*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?	LAB USE ONLY
MS-06	49828	10/10	1231	Tedlar 1	307.91 SULFUR	<input type="checkbox"/>	Sample Received Eluted EJUPS Eluted Other Temperature Thermometry ID Initials Reference Top/Leak Unleaded Gas Flow Controller
Chivito Cyn Rd	49829		1050		TO-15 FULL LIST	<input type="checkbox"/>	
MS-08	49830		1136			<input type="checkbox"/>	
MS-07	49831		1039			<input type="checkbox"/>	
S End Lincoln	49832		1104			<input type="checkbox"/>	
MS-12	49833		1122			<input type="checkbox"/>	
SCV	49834		1200			<input type="checkbox"/>	
MS-11	49835		1309			<input type="checkbox"/>	
MS-10	49836		1215			<input type="checkbox"/>	
MS-09	49837		1148			<input type="checkbox"/>	

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Armando Hurtado  
Signature: *Armando Hurtado*  
**Relinquished By**  
Print: *Paul Schaffer*  
Signature: *Paul Schaffer*

**Date** 10/10/21  
**Time** 1445

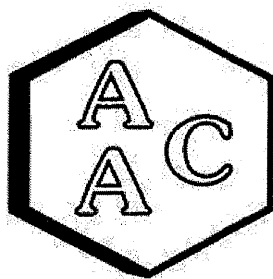
**Received By**  
Print: Zachary Grant  
Signature: *Zachary Grant*  
**Received By**  
Print: *Zachary Grant*  
Signature: *Zachary Grant*

**Date** 10/10/21  
**Time** 1449

**EDD?**  
 Yes  
 No







## Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita OFF/ON  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232137  
REPORT DATE : 10/19/2023

On October 17, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

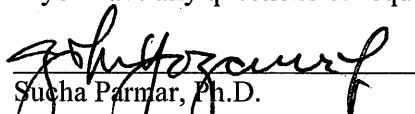
Client ID	Lab ID	Client ID	Lab ID
MS-07	232137-50214	MS-06	232137-50222
Chiquito Cyn Rd	232137-50215	MS-11	232137-50223
S End Lincoln	232137-50216	MS-05	232137-50224
MS-12	232137-50217	MS-04	232137-50225
MS-08	232137-50218	Reaction	232137-50226
MS-09	232137-50219	MS-02	232137-50227
SCV	232137-50220	Working Face	232137-50228
MS-10	232137-50221	MS-03	232137-50229

**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.aacalab.com](http://www.aacalab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

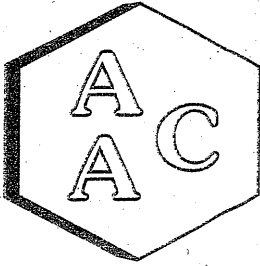
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 23 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

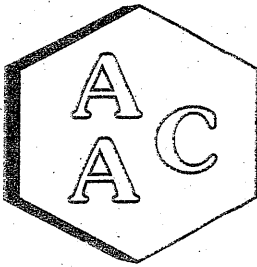
**CLIENT :** SCS Engineers  
**PROJECT NO :** 232137  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 10/17/2023  
**DATE REPORTED :** 10/19/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50214				232137-50215				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	0.57		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	34.6		1	5.00	37.1		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	31.8		1	2.00	30.5		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.6		1	2.00	27.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	4.44		1	2.00	4.91		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.80		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232137  
 MATRIX : AIR  
 UNITS : PPB (v/v)

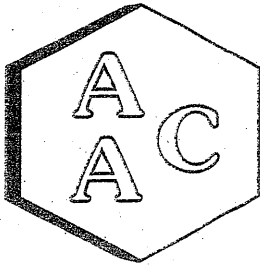
DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/19/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50214				232137-50215				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.54		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	17.9		1	0.50	19.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.67		1	0.50	0.64		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		98%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

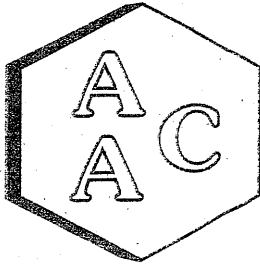
CLIENT : SCS Engineers  
 PROJECT NO : 232137  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/19/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50216				232137-50217				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	28.1		1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	0.54		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	37.5		1	5.00	36.5		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	31.9		1	2.00	232		25	50.0	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	21.3		1	2.00	25.4		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	4.73		1	2.00	4.78		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	33.9		1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	0.53		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	6.49		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232137  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

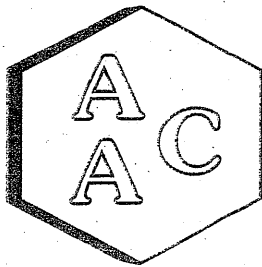
**DATE RECEIVED :** 10/17/2023  
**DATE REPORTED :** 10/19/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50216				232137-50217				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	9.54		1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	17.3		1	0.50	0.50	
Heptane	<SRL	U	1	0.50	5.42		1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	21.4		1	0.50	29.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.83		1	0.50	1.04		1	0.50	0.50	
m & p-Xylene	1.08		1	1.00	1.94		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	0.63		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			97%				97%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

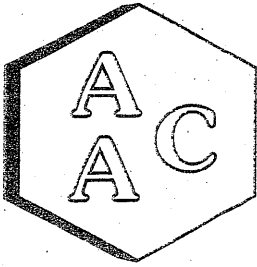
CLIENT : SCS Engineers  
 PROJECT NO : 232137  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/19/2023  
 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		232137-50218				232137-50219				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.54		1	0.50	0.56		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	30.6		1	5.00	32.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	38.2		1	2.00	34.0		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	21.0		1	2.00	36.3		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	3.73		1	2.00	4.80		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232137  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

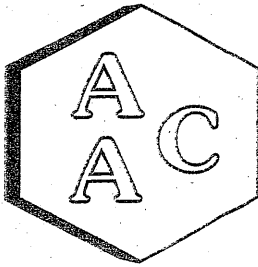
**DATE RECEIVED :** 10/17/2023  
**DATE REPORTED :** 10/19/2023  
**ANALYST :** DL/CH

### 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		232137-50218				232137-50219				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	21.4		1	0.50	26.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.94		1	0.50	0.81		1	0.50	0.50	
m & p-Xylene	1.15		1	1.00	1.14		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	0.50		1	0.50	0.50		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			97%				100%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232137  
 MATRIX : AIR  
 UNITS : PPB (v/v)

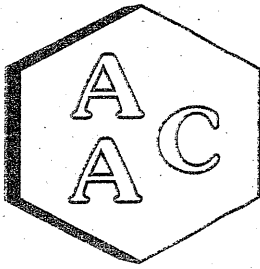
DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/19/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50220				232137-50221				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.55		1	0.50	0.52		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	25.0		1	5.00	34.3		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	27.8		1	2.00	29.4		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	21.8		1	2.00	26.3		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	4.05		1	2.00	4.57		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232137  
 MATRIX : AIR  
 UNITS : PPB (v/v)

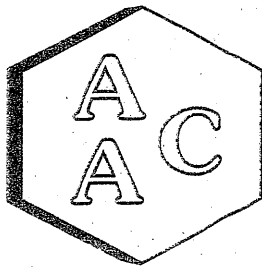
DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/19/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50220				232137-50221				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.65		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	15.0		1	0.50	18.9		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (̑-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		99%				97%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

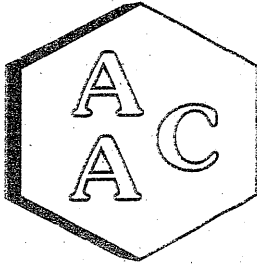
CLIENT : SCS Engineers  
 PROJECT NO : 232137  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/19/2023  
 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		232137-50222				232137-50223				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Analysis DF	Result	Qualifier	Analysis DF	Analysis DF	Result	Qualifier
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00
Dichlorodifluoromethane	0.60		1	0.50	0.53		1	0.50	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Methanol	24.6		1	5.00	20.2		1	5.00	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Ethanol	27.6		1	2.00	19.9		1	2.00	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Acetone	14.9		1	2.00	12.0		1	2.00	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
2-Propanol (IPA)	3.36		1	2.00	<SRL	U	1	2.00	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232137  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

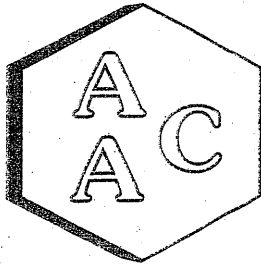
**DATE RECEIVED :** 10/17/2023  
**DATE REPORTED :** 10/19/2023  
**ANALYST :** DL/CH

### 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	Date Sampled	Date Analyzed		Can Dilution Factor	Result	Qualifier		
	232137-50222	10/17/2023	10/18/2023						
			1.00						
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	17.0		1	0.50	14.1		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		96%				98%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

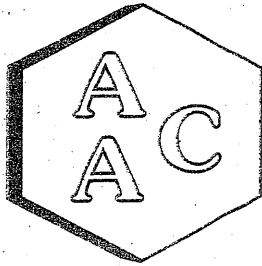
**CLIENT :** SCS Engineers  
**PROJECT NO :** 232137  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 10/17/2023  
**DATE REPORTED :** 10/19/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50224				232137-50225				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.57	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	42.8		1	5.00	40.3		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	52.7		1	2.00	36.5		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	34.3		1	2.00	20.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	7.83		1	2.00	5.73		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.66		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232137  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

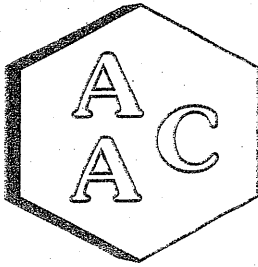
**DATE RECEIVED :** 10/17/2023  
**DATE REPORTED :** 10/19/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Date Sampled	Date Analyzed		Can Dilution Factor	Result	Qualifier		
	232137-50224	10/17/2023	10/18/2023	1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.54	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	41.7		1	0.50	26.0		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	0.76		1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	1.05		1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		96%				101%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

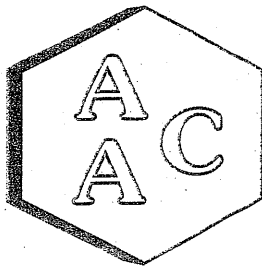
CLIENT : SCS Engineers  
 PROJECT NO : 232137  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/19/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50226				232137-50227				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	3.46		1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.56		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	39.1		1	5.00	38.5		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	32.1		1	2.00	46.3		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	23.7		1	2.00	21.4		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	7.04		1	2.00	5.51		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	0.57		1	0.50	0.50	
Tetrahydrofuran	1.20		1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	2.72		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232137  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

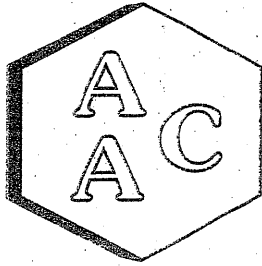
**DATE RECEIVED :** 10/17/2023  
**DATE REPORTED :** 10/19/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID AAC ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	232137-50226	10/17/2023	10/18/2023		232137-50227	10/17/2023	10/18/2023		
Date Analyzed	1.00			Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Can Dilution Factor	Result	Qualifier	Analysis DF						
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	0.57		1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	0.59		1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	20.1		1	0.50	22.6		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	0.80		1	0.50	0.81		1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	1.09		1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	0.51		1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery			97%				98%		70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232137  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

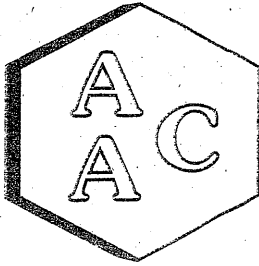
**DATE RECEIVED :** 10/17/2023  
**DATE REPORTED :** 10/19/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>Working Face</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>MS-03</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		<i>232137-50228</i>				<i>232137-50229</i>				
<i>Date Sampled</i>		<i>10/17/2023</i>				<i>10/17/2023</i>				
<i>Date Analyzed</i>		<i>10/18/2023</i>				<i>10/18/2023</i>				
<i>Can Dilution Factor</i>		<i>1.00</i>			<i>1.00</i>					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.55		1	0.50	0.53		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	37.7		1	5.00	23.9		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	36.2		1	2.00	30.0		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.3		1	2.00	13.1		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	5.58		1	2.00	3.21		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232137  
 MATRIX : AIR  
 UNITS : PPB (v/v)

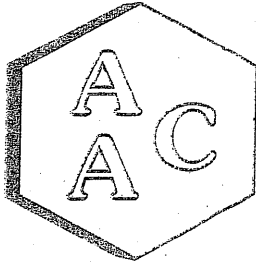
DATE RECEIVED : 10/17/2023  
 DATE REPORTED : 10/19/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232137-50228				232137-50229				
Date Sampled		10/17/2023				10/17/2023				
Date Analyzed		10/18/2023				10/18/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	15.7		1	0.50	13.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.71		1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	1.05		1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			98%				99%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/18/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MSI-051623-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 10/09/2023 Calibration.

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.37	100
Chlorodifluoromethane	10.40	9.66	93
Propene	10.60	10.49	99
Dichlorodifluoromethane	10.40	9.56	92
Dimethyl Ether	10.20	9.18	90
Chloromethane	10.40	10.46	101
Dichlorotetrafluoroethane	10.30	9.63	93
Vinyl Chloride	10.50	9.52	91
Acetaldehyde	21.10	18.56	88
Methanol	18.80	18.85	100
1,3-Butadiene	10.60	10.36	98
Bromomethane	10.40	8.94	86
Chloroethane	10.30	9.78	95
Dichlorofluoromethane	10.20	9.05	89
Ethanol	11.20	11.16	100
Vinyl Bromide	10.10	8.99	89
Acrolein	11.10	10.75	97
Acetone	10.60	10.11	95
Trichlorofluoromethane	10.50	9.66	92
2-Propanol (IPA)	11.00	10.52	96
Acrylonitrile	11.20	10.33	92
1,1-Dichloroethene	10.40	9.19	88
Methylene Chloride (DCM)	10.50	8.87	84
TertButanol (TBA)	11.10	13.86	125
Allyl Chloride	10.20	9.13	90
Carbon Disulfide	10.50	9.30	89
Trichlorotrifluoroethane	10.40	9.63	93
trans-1,2-Dichloroethene	10.60	10.28	97
1,1-Dichloroethane	10.50	9.76	93
Methyl Tert Butyl Ether (MTBE)	10.50	9.87	94
Vinyl Acetate	11.00	10.46	95
2-Butanone (MEK)	10.60	9.83	93
cis-1,2-Dichloroethene	10.50	9.87	94
Hexane	10.70	11.99	112
Chloroform	10.60	10.00	94
Ethyl Acetate	10.60	9.52	90
Tetrahydrofuran	10.20	9.86	97
1,2-Dichloroethane	10.50	9.53	91
1,1,1-Trichloroethane	10.40	10.00	96
Benzene	10.60	10.32	97
Carbon Tetrachloride	10.20	9.83	96
Cyclohexane	10.50	10.33	98

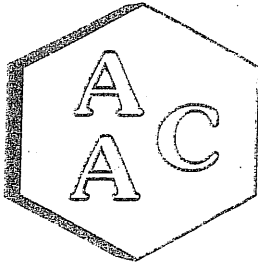
Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	10.52	100
Bromodichloromethane	10.40	9.93	95
1,4-Dioxane	10.40	13.16	127
Trichloroethene (TCE)	10.40	9.62	93
2,2,4-Trimethylpentane	10.00	9.44	94
Methyl Methacrylate	11.00	10.67	97
Heptane	10.50	10.66	102
cis-1,3-Dichloropropene	10.40	10.39	100
4-Methyl-2-pentanone (MiBK)	10.40	11.57	111
trans-1,3-Dichloropropene	10.50	10.47	100
1,1,2-Trichloroethane	10.50	10.50	100
Toluene	10.60	11.02	104
2-Hexanone (MBK)	10.50	12.61	120
Dibromochloromethane	10.30	10.13	98
1,2-Dibromoethane	10.60	9.97	94
Tetrachloroethene (PCE)	10.40	10.45	100
Chlorobenzene	10.60	10.71	101
Ethylbenzene	10.50	10.68	102
m & p-Xylene	21.00	21.77	104
Bromoform	10.50	10.67	102
Styrene	10.50	11.10	106
1,1,2,2-Tetrachloroethane	10.50	10.72	102
o-Xylene	10.50	11.14	106
1,2,3-Trichloropropane	11.00	11.19	102
Isopropylbenzene (Cumene)	10.30	10.23	99
α-Pinene	10.70	10.39	97
2-Chlorotoluene	10.30	10.58	103
n-Propylbenzene	10.10	10.21	101
4-Ethyltoluene	10.30	10.81	105
1,3,5-Trimethylbenzene	10.30	10.24	99
β-Pinene	11.00	11.06	101
1,2,4-Trimethylbenzene	10.30	10.46	102
Benzyl Chloride (a-Chlorotoluene)	10.40	10.56	102
1,3-Dichlorobenzene	10.40	10.59	102
1,4-Dichlorobenzene	10.30	10.52	102
Sec-ButylBenzene	10.10	9.82	97
1,2-Dichlorobenzene	10.60	10.50	99
n-ButylBenzene	10.20	10.91	107
1,2-Dibromo-3-Chloropropane	10.10	10.70	106
1,2,4-Trichlorobenzene	11.00	11.89	108
Naphthalene	11.50	13.31	116
Hexachlorobutadiene	11.00	10.95	100

<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/18/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MSI-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

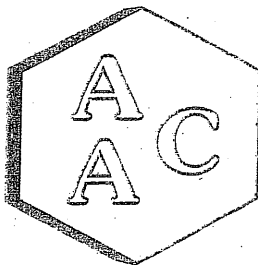
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.37	9.25	100	98	1.3
1,1-Dichloroethene	0.0	10.40	9.19	8.95	88	86	2.6
Methylene Chloride (DCM)	0.0	10.50	8.87	8.83	84	84	0.5
Benzene	0.0	10.60	10.32	10.28	97	97	0.4
Trichloroethene (TCE)	0.0	10.40	9.62	9.89	93	95	2.8
Toluene	0.0	10.60	11.02	10.90	104	103	1.1
Tetrachloroethene (PCE)	0.0	10.40	10.45	10.27	100	99	1.7
Chlorobenzene	0.0	10.60	10.71	10.36	101	98	3.3
Ethylbenzene	0.0	10.50	10.68	10.64	102	101	0.4
m & p-Xylene	0.0	21.00	21.77	21.85	104	104	0.4
o-Xylene	0.0	10.50	11.14	10.99	106	105	1.4

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 10/18/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

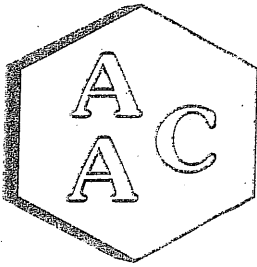
Method Blank Analysis

Analyte Compounds	MB 101823	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	1.0	
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 101823	Reporting Limit (RL)	
1,2-Dichloropropane	<RL	0.5	
Bromodichloromethane	<RL	0.5	
1,4-Dioxane	<RL	2.0	
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	1.0	
trans-1,3-Dichloropropene	<RL	0.5	
1,1,2-Trichloroethane	<RL	0.5	
Toluene	<RL	0.5	
2-Hexanone (MBK)	<RL	2.0	
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	1.0	
Hexachlorobutadiene	<RL	0.5	





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/18/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 231992-49190

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.28	9.47	2.0
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	0.53	0.58	9.0
Dimethyl Ether	<SRL	<SRL	NA
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	12.7	13.2	4.4
Methanol	10.8	10.5	3.1
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	22.0	22.5	2.3
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	1.37	1.42	3.6
Acetone	11.3	12.0	6.3
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	6.05	6.10	0.8
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK) J	0.73	0.70	4.2
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	2.54	2.74	7.6
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 <sup>2</sup>
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<SRL	<SRL	NA
4-Methyl-2-pentanone (MiBK)	<SRL	<SRL	NA
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	0.88	0.91	3.4
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	<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 (α-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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> 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.



232137



**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@aacalab.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

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
rhuff@scsengineers.com

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

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	EDD?	LAB USE ONLY
MS-07	50214	10/17	0953	Teddy 1	X	X		
Chiquito Cyn Rd	50215		1008		X	X		
S End Lincoln	50216		1023		X	X		
MS-12	50217		1043		X	X		
MS-08	50218		1056		X	X		
MS-09	50219		1120		X	X		
SCV	50220		1133		X	X		
MS-10	50221		1205		X	X		
MS-06	50223		1224		X	X		
MS-11	50223		1259		X	X		

Client Notes/Special Instructions:

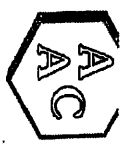
**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*  
Date: 10/17/17

**Received By**  
Print: *Zachary Swiftn*  
Signature: *Zachary Swiftn*  
Date: 10/17/17

**EDD?**  
 Yes  
 No

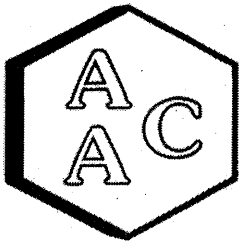
**Relinquished By**  
Print: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

232137



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

<b>Atmospheric Analysis and Consulting</b> - Phone: 805-650-1642 - Email: info@aacdb.com - 1534 Eastman Ave Suite A, Ventura, CA 93003		<b>AAC Project No.:</b> Send Report To (Name/Email/Address) pschafer@scsengineers.com rhuff@scsengineers.com	
<b>Client/Company Name</b> SCS ENGINEERS <b>Project Manager Name</b> PAUL SCHAFER	<b>Project Name</b> CHIQUITA [ON / OFF ] <b>Project Number</b> 01204123.21 TASK 22	<b>Send Invoice To (Name/Email/Address)</b> PO Number	
<b>Turnaround Time</b> <input type="checkbox"/> Rush 24 h <input type="checkbox"/> Same Day <input type="checkbox"/> Rush 48 h <input type="checkbox"/> 5 Days <input checked="" type="checkbox"/> Rush 72 h <input type="checkbox"/> Normal	<b>Sampler Name</b> Print: <i>Armando Hurtado</i> Signature: <i>Paul Schaf</i>	<b>LAB USE ONLY</b> Sample Received Date/Time Analyzed Date/Time Released Date/Time Container ID Analyzed Date/Time Released Date/Time	
<b>Client Sample Name</b> MS-05 MS-04 Reaction MS-02 Working Face MS-03	<b>Sample ID</b> S02241 S0225 S0226 S0227 S0228 S0229	<b>Sampling Date</b> 10/17      	<b>Sampling Time</b> 0727 0838 0853 0919 0933 1236
<b>Client Notes/Special Instructions:</b>		<b>Container Type/Qty</b> Tedlar 1	<b>Analysis Requested</b> 307.91 SULFUR TO-15 FULL LIST
<b>Relinquished By</b> Print: <i>Armando Hurtado</i> Signature: <i>Armando Hurtado</i>	<b>Date</b> 10/17 <b>Time</b> 1526	<b>Received By</b> Print: <i>Zachary Smith</i> Signature: <i>Zachary Smith</i>	<b>Date</b> 10/17/23 <b>Time</b> 1532
<b>Relinquished By</b> Print: _____ Signature: _____	<b>Date</b> _____ <b>Time</b> _____	<b>Received By</b> Print: _____ Signature: _____	<b>Date</b> _____ <b>Time</b> _____
<b>EDD?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>LAB USE ONLY</b> Sample Received Date/Time Analyzed Date/Time Released Date/Time Container ID Analyzed Date/Time Released Date/Time	



## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita (Off)  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232137  
REPORT DATE : 10/19/2023

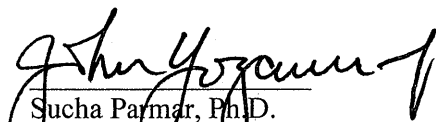
On October 17<sup>th</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No
MS-07	232137-50214	MS-06	232137-50222
Chiquito Cyn Rd	232137-50215	MS-11	232137-50223
S End Lincoln	232137-50216	MS-05	232137-50224
MS-12	232137-50217	MS-04	232137-50225
MS-08	232137-50218	Reaction	232137-50226
MS-09	232137-50219	MS-02	232137-50227
SCV	232137-50220	Working face	232137-50228
MS-10	232137-50221	MS-03	232137-50229

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](http://www.aaclab.com).

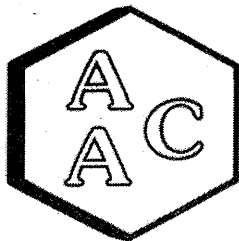
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, 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.





# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

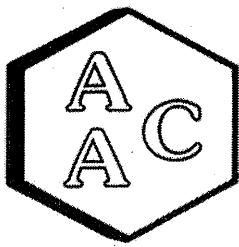
CLIENT : SCS Engineers  
 PROJECT NO. : 232137  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 10/17/2023  
 RECEIVING DATE : 10/17/2023  
 ANALYSIS DATE : 10/17/2023  
 REPORT DATE : 10/19/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-07	Chiquito Cyn Rd	S End Lincoln	MS-12	MS-08	MS-09
AAC ID	232137-50214	232137-50215	232137-50216	232137-50217	232137-50218	232137-50219
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	0.025	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	0.150	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	0.150	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

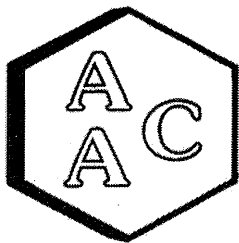
CLIENT : SCS Engineers  
 PROJECT NO. : 232137  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 10/17/2023  
 RECEIVING DATE : 10/17/2023  
 ANALYSIS DATE : 10/17/2023  
 REPORT DATE : 10/19/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	SCV	MS-10	MS-06	MS-11	MS-05	MS-04
AAC ID	232137-50220	232137-50221	232137-50222	232137-50223	232137-50224	232137-50225
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	<b>0.132</b>	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	<b>0.132</b>	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

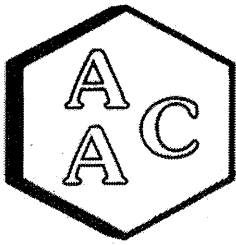
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232137  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/17/2023  
**RECEIVING DATE :** 10/17/2023  
**ANALYSIS DATE :** 10/17/2023  
**REPORT DATE :** 10/19/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	Reaction	MS-02	Working face	MS-03
AAC ID	232137-50226	232137-50227	232137-50228	232137-50229
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO <sub>2</sub>	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/18/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID : SCD-BTU  
 Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SS1289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	863	0.496	99.3	1.3
Duplicate	876	0.504	100.9	0.3
Triplicate	883	0.508	101.7	1.0

*0.548 ppbV H2S (SS1289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	898	0.546	99.7	0.1
Duplicate	898	0.546	99.7	0.1
Triplicate	896	0.545	99.5	0.1

*0.479 ppbV H2S (SS1289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	863	0.476	99.3	0.4
Duplicate	841	0.464	96.8	2.1
Triplicate	874	0.482	100.6	1.7

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.231	0.225	92.4	90.0	2.6
MeSH	<PQL	0.274	0.279	0.273	101.9	99.7	2.2
DMS	<PQL	0.240	0.243	0.245	101.5	102.3	0.8

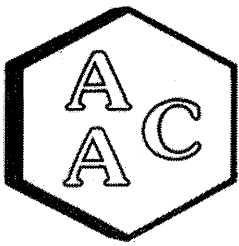
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.462	92.4
MeSH	0.548	0.511	93.3
DMS	0.479	0.446	93.1

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/18/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1835	498	99.6	0.3
Duplicate	1825	495	99.1	0.9
Triplicate	1863	505	101.1	1.2

*547.5 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2434	564	103.1	2.7
Duplicate	2343	543	99.2	1.2
Triplicate	2336	542	98.9	1.5

*479.0 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2591	490	102.3	1.1
Duplicate	2586	489	102.1	0.9
Triplicate	2514	475	99.2	1.9

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	249.6	252.0	99.9	100.8	1.0
MeSH	<PQL	273.8	289.3	283.0	105.7	103.4	2.2
DMS	<PQL	239.5	255.8	256.3	106.8	107.0	0.2

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	503.3	100.7
MeSH	547.5	539.8	98.6
DMS	479.0	464.9	97.1

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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

232137



**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@aacalab.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS  
**Project Manager Name**  
PAUL SCHAFER

**Project Name**  
CHIOUITA (ON/OFF)  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
thuff@scsengineers.com

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

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *[Signature]*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-07	50214	10/17	0953	Tealby 1	307.91 SULFUR TO-15 FULL LIST	<input type="checkbox"/> Yes <input type="checkbox"/> No
Chicago Cyn Rd	50215		1008		X	
5 End Lincoln	50216		1023		X	
MS-12	50217		1048		X	
MS-08	50218		1056		X	
MS-09	50219		1120		X	
SCV	50220		1133		X	
MS-10	50221		1205		X	
MS-06	50223		1224		X	
MS-11	50223		1254		X	

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *[Signature]*

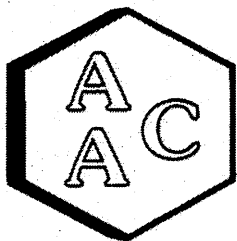
**Relinquished By**  
Print: *[Signature]*  
Signature: *[Signature]*

**Date** 10/17  
**Time** 1526

**Received By**  
Print: *Zachary*  
Signature: *[Signature]*

**Date** 10/17/23  
**Time** 1532





## Atmospheric Analysis & Consulting, Inc

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita OFF/ON  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232189  
REPORT DATE : 10/26/2023

On October 24, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

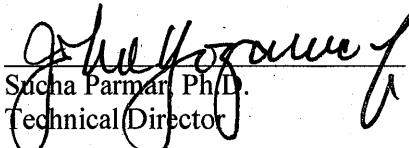
Client ID	Lab ID	Client ID	Lab ID
MS-10	232189-50458	MS-08	232189-50466
MS-09	232189-50459	MS-07	232189-50467
S End Lincoln	232189-50460	Working Face	232189-50468
MS-11	232189-50461	MS-03	232189-50469
MS-12	232189-50462	Reaction	232189-50470
SCV	232189-50463	MS-04	232189-50471
Chiquito Cyn Rd	232189-50464	MS-05	232189-50472
MS-06	232189-50465	MS-01	232189-50473

**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](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

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

If you have any questions or require further explanation of data results, please contact the undersigned.

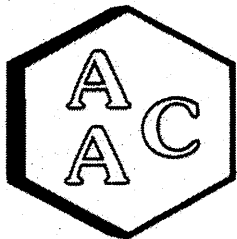
  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 23 pages.

Page 1



## Grab Sample Data



## Atmospheric Analysis & Consulting, Inc

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita OFF/ON  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232189  
REPORT DATE : 10/26/2023

On October 24, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

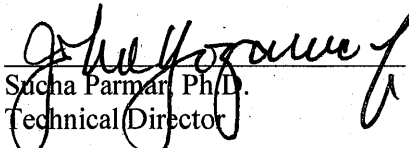
Client ID	Lab ID	Client ID	Lab ID
MS-10	232189-50458	MS-08	232189-50466
MS-09	232189-50459	MS-07	232189-50467
S End Lincoln	232189-50460	Working Face	232189-50468
MS-11	232189-50461	MS-03	232189-50469
MS-12	232189-50462	Reaction	232189-50470
SCV	232189-50463	MS-04	232189-50471
Chiquito Cyn Rd	232189-50464	MS-05	232189-50472
MS-06	232189-50465	MS-01	232189-50473

**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](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

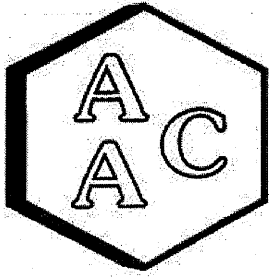
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 23 pages.

Page 1



# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

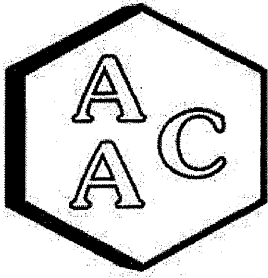
CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
	232189-50458				232189-50459				
Date Sampled	10/24/2023				10/24/2023				
Date Analyzed	10/25/2023				10/25/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.57		1	0.50	0.53		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	20.8		1	5.00	25.5		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	45.8		1	2.00	45.6		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	10.9		1	2.00	40.7		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	4.09		1	2.00	6.32		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

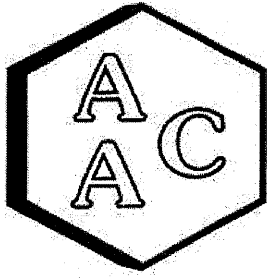
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-09			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232189-50458				232189-50459				
Date Sampled		10/24/2023				10/24/2023				
Date Analyzed		10/25/2023				10/25/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF			Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	12.8		1	0.50	13.8		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.66		1	0.50	0.75		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		103%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

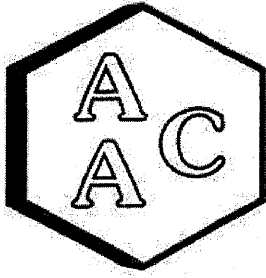
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232189-50460			232189-50461				
Date Sampled	10/24/2023				10/24/2023				
Date Analyzed	10/25/2023				10/25/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	12.5		1	0.50	22.3		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	0.64		1	0.50	0.66		1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		103%				99%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

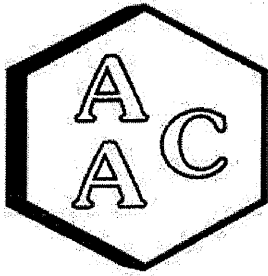
CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL)	MS-11			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		232189-50461	Result	Qualifier		
Date Sampled	10/24/2023				10/24/2023				
Date Analyzed	10/25/2023				10/25/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.55		1	0.50	0.57		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	34.2		1	5.00	24.1		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	69.1		1	2.00	45.4		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	18.0		1	2.00	15.9		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	8.03		1	2.00	4.31		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.83		1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	0.88		1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	0.76		1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

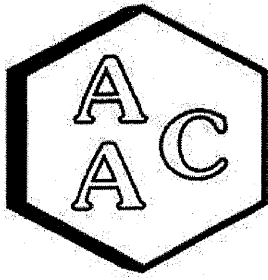
CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 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		232189-50462				232189-50463				
Date Sampled		10/24/2023				10/24/2023				
Date Analyzed		10/25/2023				10/25/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.55		1	0.50	0.57		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	36.0		1	5.00	22.8		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	74.9		1	2.00	33.3		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.9		1	2.00	16.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	6.50		1	2.00	4.57		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.80		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	0.88		1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.83		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

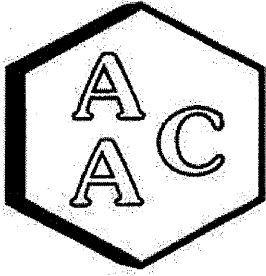
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232189-50462				232189-50463				
Date Sampled		10/24/2023				10/24/2023				
Date Analyzed		10/25/2023				10/25/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	13.0		1	0.50	15.7		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	0.69		1	0.50	0.56		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		100%				100%			70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

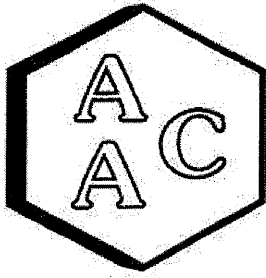
CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRL×DF's)	MS-06			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
	AAC ID	232189-50464			232189-50465				
Date Sampled	10/24/2023				10/24/2023				
Date Analyzed	10/25/2023				10/25/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.54		1	0.50	0.58		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	43.4		1	5.00	28.7		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	110		1	2.00	38.0		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	21.6		1	2.00	13.3		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	10.9		1	2.00	4.77		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	2.02		1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	1.45		1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	1.17		1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	0.91		1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

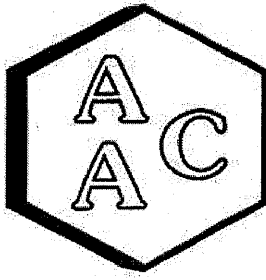
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232189-50464			232189-50465				
Date Sampled	10/24/2023				10/24/2023				
Date Analyzed	10/25/2023				10/25/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	5.20		1	0.50	14.5		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	0.67		1	0.50	0.75		1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		101%				101%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

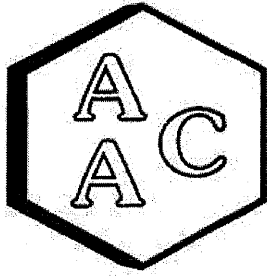
CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232189-50466				232189-50467				
Date Sampled		10/24/2023				10/24/2023				
Date Analyzed		10/25/2023				10/25/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.57		1	0.50	0.58		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	27.6		1	5.00	37.5		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	45.4		1	2.00	77.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	15.0		1	2.00	24.3		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	5.24		1	2.00	9.86		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	0.95		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	1.39		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.52		1	0.50	1.15		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

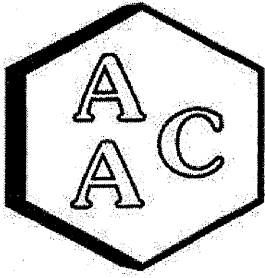
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-08			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	AAC ID	Result		
Date Sampled	232189-50466	10/24/2023		232189-50467	10/24/2023				
Date Analyzed		10/25/2023			10/25/2023				
Can Dilution Factor		1.00			1.00				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	16.0		1	0.50	5.48		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	0.69		1	0.50	0.61		1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		102%			100%				70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

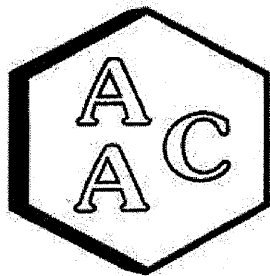
CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID AAC ID	Working Face 232189-50468			Sample Reporting Limit (SRL) (MRLxDF's)	MS-03 232189-50469			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	Date Sampled 10/24/2023	Date Analyzed 10/25/2023	Can Dilution Factor 1.00		Date Sampled 10/24/2023	Date Analyzed 10/25/2023	Can Dilution Factor 1.00		
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	5.03		1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.88		1	0.50	0.57		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	119		1	5.00	27.3		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	202		20	40.0	45.4		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	53.8		1	2.00	10.6		1	2.00	2.00
Trichlorofluoromethane	1.83		1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	34.5		1	2.00	4.39		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	13.6		1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	0.89		1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	9.96		1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	8.69		1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	3.13		1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

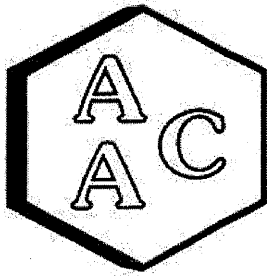
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232189-50468			232189-50469				
Date Sampled	10/24/2023				10/24/2023				
Date Analyzed	10/25/2023				10/25/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	0.81		1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	1.08		1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	41.1		1	0.50	10.8		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	0.62		1	0.50	0.59		1	0.50	0.50
m & p-Xylene	1.29		1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		99%				102%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

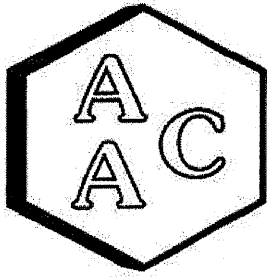
CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID AAC ID	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	232189-50470	10/24/2023			232189-50471	10/24/2023			
Date Sampled	10/24/2023			Limit (SRL)	10/25/2023				
Date Analyzed	10/25/2023				1.00				
Can Dilution Factor	1.00								
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	27.2		1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.66		1	0.50	0.55		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	115		10	50.0	40.6		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	118		10	20.0	38.1		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	104		10	20.0	15.4		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	49.9		10	20.0	3.18		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	55.6		10	20.0	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	1.39			0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	4.89		1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	59.3		10	5.00	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	79.4		1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

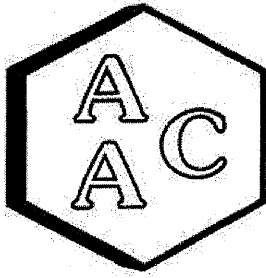
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232189-50470				232189-50471				
Date Sampled		10/24/2023				10/24/2023				
Date Analyzed		10/25/2023				10/25/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	27.2		1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.66		1	0.50	0.55		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	115		10	50.0	40.6		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	118		10	20.0	38.1		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	104		10	20.0	15.4		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	112		1	2.00	3.18		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	55.6		10	20.0	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	1.39		1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	4.89		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	59.3		10	5.00	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	79.4		1	0.50	<SRL	U	1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

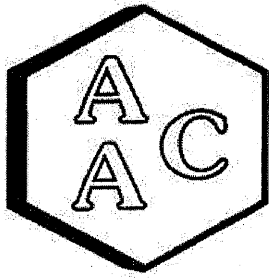
CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232189-50472				232189-50473				
Date Sampled		10/24/2023				10/24/2023				
Date Analyzed		10/25/2023				10/25/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.53		1	0.50	0.57		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	29.8		1	5.00	33.3		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	29.9		1	2.00	42.9		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.5		1	2.00	23.8		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	4.39		1	2.00	6.02		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232189  
 MATRIX : AIR  
 UNITS : PPB (v/v)

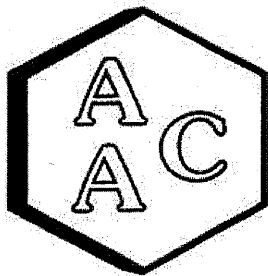
DATE RECEIVED : 10/24/2023  
 DATE REPORTED : 10/26/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-05			Sample Reporting Limit (SRL)	MS-01			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		AAC ID	Result	Qualifier		
	232189-50472				232189-50473				
Date Sampled	10/24/2023				10/24/2023				
Date Analyzed	10/25/2023				10/25/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	25.9		1	0.50	34.4		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	0.54		1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		100%				101%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/25/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MS1-051623-01  
 ANALYST : DL

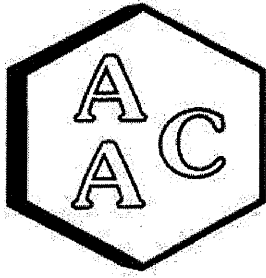
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 10/09/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.61	102
Chlorodifluoromethane	10.40	10.00	96
Propene	10.60	10.78	102
Dichlorodifluoromethane	10.40	9.89	95
Dimethyl Ether	10.20	9.96	98
Chloromethane	10.40	10.51	101
Dichlorotetrafluoroethane	10.30	9.67	94
Vinyl Chloride	10.50	10.13	96
Acetaldehyde	21.10	18.83	89
Methanol	18.80	19.11	102
1,3-Butadiene	10.60	10.25	97
Bromomethane	10.40	9.46	91
Chloroethane	10.30	11.35	110
Dichlorofluoromethane	10.20	9.36	92
Ethanol	11.20	12.26	109
Vinyl Bromide	10.10	9.43	93
Acrolein	11.10	10.67	96
Acetone	10.60	9.84	93
Trichlorofluoromethane	10.50	9.91	94
2-Propanol (IPA)	11.00	11.07	101
Acrylonitrile	11.20	10.62	95
1,1-Dichloroethene	10.40	9.56	92
Methylene Chloride (DCM)	10.50	9.03	86
TertButanol (TBA)	11.10	13.73	124
Allyl Chloride	10.20	9.42	92
Carbon Disulfide	10.50	9.85	94
Trichlorotrifluoroethane	10.40	9.54	92
trans-1,2-Dichloroethene	10.60	10.10	95
1,1-Dichloroethane	10.50	10.21	97
Methyl Tert Butyl Ether (MTBE)	10.50	9.79	93
Vinyl Acetate	11.00	10.59	96
2-Butanone (MEK)	10.60	9.67	91
cis-1,2-Dichloroethene	10.50	10.48	100
Hexane	10.70	11.18	104
Chloroform	10.60	10.24	97
Ethyl Acetate	10.60	9.86	93
Tetrahydrofuran	10.20	9.85	97
1,2-Dichloroethane	10.50	9.89	94
1,1,1-Trichloroethane	10.40	10.10	97
Benzene	10.60	10.37	98
Carbon Tetrachloride	10.20	10.18	100
Cyclohexane	10.50	10.99	105

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	10.74	102
Bromodichloromethane	10.40	10.43	100
1,4-Dioxane	10.40	13.50	130
Trichloroethene (TCE)	10.40	9.56	92
2,2,4-Trimethylpentane	10.00	9.78	98
Methyl Methacrylate	11.00	11.01	100
Heptane	10.50	10.45	100
cis-1,3-Dichloropropene	10.40	10.23	98
4-Methyl-2-pentanone (MIBK)	10.40	11.59	111
trans-1,3-Dichloropropene	10.50	10.50	100
1,1,2-Trichloroethane	10.50	10.35	99
Toluene	10.60	10.85	102
2-Hexanone (MBK)	10.50	13.56	129
Dibromochloromethane	10.30	10.25	100
1,2-Dibromoethane	10.60	10.14	96
Tetrachloroethene (PCE)	10.40	10.40	100
Chlorobenzene	10.60	10.35	98
Ethylbenzene	10.50	10.40	99
m & p-Xylene	21.00	21.20	101
Bromoform	10.50	10.41	99
Styrene	10.50	10.85	103
1,1,2,2-Tetrachloroethane	10.50	10.51	100
o-Xylene	10.50	10.62	101
1,2,3-Trichloropropane	11.00	10.31	94
Isopropylbenzene (Cumene)	10.30	10.18	99
α-Pinene	10.70	10.40	97
2-Chlorotoluene	10.30	9.85	96
n-Propylbenzene	10.10	10.14	100
4-Ethyltoluene	10.30	10.73	104
1,3,5-Trimethylbenzene	10.30	10.17	99
β-Pinene	11.00	10.96	100
1,2,4-Trimethylbenzene	10.30	10.62	103
Benzyl Chloride (a-Chlorotoluene)	10.40	10.10	97
1,3-Dichlorobenzene	10.40	10.27	99
1,4-Dichlorobenzene	10.30	10.09	98
Sec-ButylBenzene	10.10	9.80	97
1,2-Dichlorobenzene	10.60	10.39	98
n-ButylBenzene	10.20	10.66	105
1,2-Dibromo-3-Chloropropane	10.10	9.96	99
1,2,4-Trichlorobenzene	11.00	11.44	104
Napthalene	11.50	12.82	111
Hexachlorobutadiene	11.00	10.61	96

<sup>1</sup> Concentration of analyte compound in certified source standard.  
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).  
<sup>3</sup> The acceptable range for analyte recovery is 100±30%.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/25/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

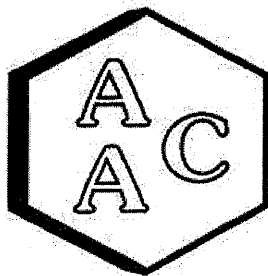
System Monitoring Compounds	Sample Concentration	Spike Added	LCS <sup>1</sup> Recovery	LCSD <sup>1</sup> Recovery	LCS <sup>1</sup> % Recovery <sup>2</sup>	LCSD <sup>1</sup> % Recovery <sup>2</sup>	RPD <sup>3</sup>
4-BFB (surrogate standard)	0.0	9.40	9.61	9.64	102	103	0.3
1,1-Dichloroethene	0.0	10.40	9.56	9.89	92	95	3.4
Methylene Chloride (DCM)	0.0	10.50	9.03	9.50	86	90	5.1
Benzene	0.0	10.60	10.37	10.35	98	98	0.2
Trichloroethene (TCE)	0.0	10.40	9.56	9.70	92	93	1.5
Toluene	0.0	10.60	10.85	10.70	102	101	1.4
Tetrachloroethene (PCE)	0.0	10.40	10.40	10.10	100	97	2.9
Chlorobenzene	0.0	10.60	10.35	10.74	98	101	3.7
Ethylbenzene	0.0	10.50	10.40	10.67	99	102	2.6
m & p-Xylene	0.0	21.00	21.20	21.79	101	104	2.7
o-Xylene	0.0	10.50	10.62	10.73	101	102	1.0

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 10/25/2023

INSTRUMENT ID : GC/MS-03

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

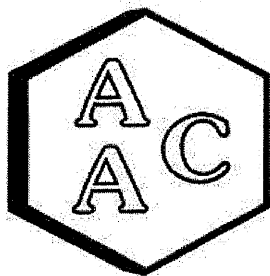
UNITS : PPB (v/v)

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 102523	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 102523	Reporting Limit (RL)
4-BFB (surrogate standard)	99%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	1.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MIBK)	<RL	2.0
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	1.0	2-Hexanone (MBK)	<RL	2.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	0.5	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	0.5
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	0.5	β-Pinene	<RL	0.5
2-Butanone (MEK)	<RL	2.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-ButylBenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-ButylBenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	0.5
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 10/25/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232181-50427

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.68	9.79	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	J 3.49	3.28	6.2
Methanol	18.5	19.0	2.7
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	10.3	10.1	2.3
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	6.12	6.08	0.7
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	J 1.39	1.35	2.9
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	1.07	1.13	5.5
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 <sup>2</sup>
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

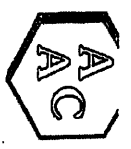
<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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



232189



**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@aacab.com • 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS

**Project Manager Name**  
PAUL SCHAFER

**Project Name**  
CHIQUITA 1 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 Horbado  
Signature: Armando Horbado

**Client Sample Name**

**Sample ID**

**Sampling Date**

**Sampling Time**

**Container Type/Qty**

**Analysis Requested**

**EDD?**  
 Yes  
 No

**Date**

**Received By**

**Date**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**Signature**

**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

Sample ID

Element

Units

Concentration

Method

Reference

Method

Reference

Method

Reference

Method

Reference

232189



**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@aacalab.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: Armandy Hurtado  
 Signature: Paul Schafner

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	Analysis Requested
Working Face	50468	10/24	0726	redair 1	X	X	
MS-03	50469		1233		X	X	
Reaction	50470		0901		X	X	
MS-04	50471		0820		X	X	
MS-05	50472		0738		X	X	
MS-01	50473		0757		X	X	

**Client Notes/Special Instructions:**

**Relinquished By** Print: Armandy Hurtado  
 Signature: Paul Schafner

**Received By** Print: [Signature]  
 Signature: [Signature]

**Date** 10/24  
**Time** 1505

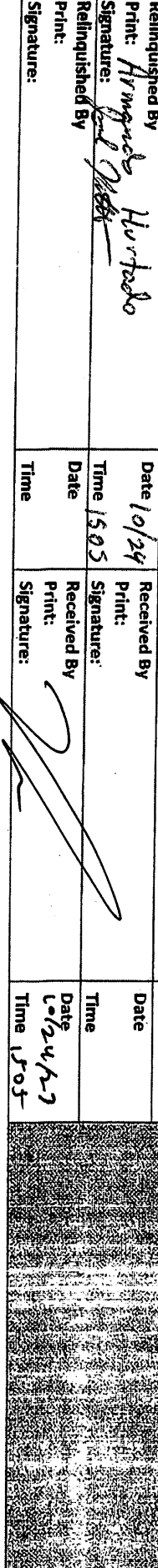
**Date** 10/24/21  
**Time** 1505

**EDD?**  
 Yes  
 No

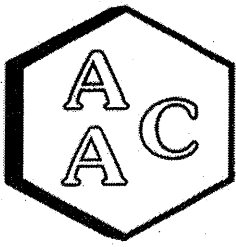
**AAC Project No.:**  
**Send Report To (Name/Email/Address)** pschafer@scsengineers.com  
 rhuff@scsengineers.com

**Send Invoice To (Name/Email/Address)**

**PO Number**







## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita OFF/ON  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232189  
REPORT DATE : 10/26/2023

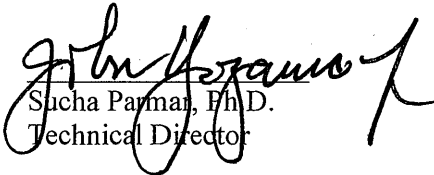
On October 24<sup>th</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No
MS-10	232189-50458	MS-08	232189-50466
MS-09	232189-50459	MS-07	232189-50467
S End Lincoln	232189-50460	Working Face	232189-50468
MS-11	232189-50461	MS-03	232189-50469
MS-12	232189-50462	Reaction	232189-50470
SCV	232189-50463	MS-04	232189-50471
Chiquito Cyn Rd	232189-50464	MS-05	232189-50472
MS-06	232189-50465	MS-01	232189-50473

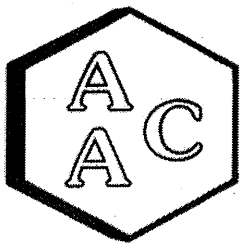
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aacalab.com](http://www.aacalab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

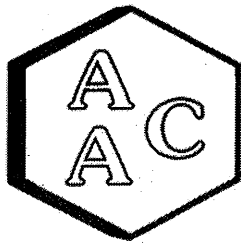
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232189  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/24/2023  
**RECEIVING DATE :** 10/24/2023  
**ANALYSIS DATE :** 10/25/2023  
**REPORT DATE :** 10/26/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-10	MS-09	S End Lincoln	MS-11	MS-12	SCV
AAC ID	232189-50458	232189-50459	232189-50460	232189-50461	232189-50462	232189-50463
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

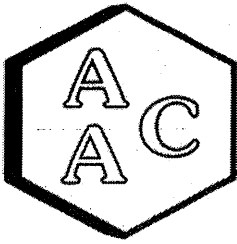
CLIENT : SCS Engineers  
 PROJECT NO. : 232189  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 10/24/2023  
 RECEIVING DATE : 10/24/2023  
 ANALYSIS DATE : 10/25/2023  
 REPORT DATE : 10/26/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	Chiquito Cyn Rd	MS-06	MS-08	MS-07	Working Face	MS-03
AAC ID	232189-50464	232189-50465	232189-50466	232189-50467	232189-50468	232189-50469
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

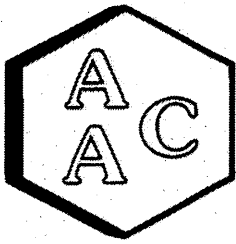
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232189  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 10/24/2023  
**RECEIVING DATE :** 10/24/2023  
**ANALYSIS DATE :** 10/25/2023  
**REPORT DATE :** 10/26/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	Reaction	MS-04	MS-05	MS-01
AAC ID	232189-50470	232189-50471	232189-50472	232189-50473
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	<b>0.151</b>	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	<b>0.151</b>	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/25/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	883	0.508	101.7	1.4
Duplicate	873	0.502	100.5	0.3
Triplicate	856	0.492	98.5	1.7

0.548 ppbV MeSH (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	895	0.544	99.4	0.1
Duplicate	888	0.540	98.6	0.8
Triplicate	904	0.549	100.3	0.9

0.479 ppbV DMS (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	862	0.475	99.3	1.3
Duplicate	837	0.461	96.3	1.7
Triplicate	856	0.472	98.5	0.5

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.267	0.261	106.9	104.5	2.3
MeSH	<PQL	0.274	0.289	0.285	105.6	104.1	1.4
DMS	<PQL	0.240	0.243	0.256	101.5	106.9	5.2

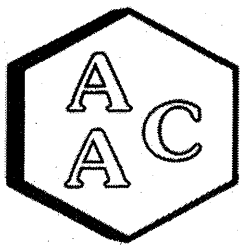
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.485	97.0
MeSH	0.548	0.548	100.1
DMS	0.479	0.459	95.8

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 10/25/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1852	502	100.5	0.4
Duplicate	1833	497	99.5	0.6
Triplicate	1849	502	100.4	0.2

547.5 ppbV H<sub>2</sub>S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2375	551	100.6	1.5
Duplicate	2329	540	98.6	0.5
Triplicate	2316	537	98.1	1.0

479.0 ppbV H<sub>2</sub>S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2579	488	101.8	1.8
Duplicate	2653	502	104.7	1.0
Triplicate	2648	501	104.5	0.8

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	270.0	268.4	108.1	107.4	0.6
MeSH	<PQL	273.8	298.5	292.6	109.1	106.9	2.0
DMS	<PQL	239.5	258.4	260.3	107.9	108.7	0.7

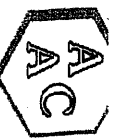
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	483.3	96.7
MeSH	547.5	548.3	100.1
DMS	479.0	463.8	96.8

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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

232189



**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 I 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 Horchales  
**Signature:** *Armando Horchales*

**Client Sample Name**

**Sample ID**    **Sampling Date**    **Sampling Time**    **Container Type/Qty**

MS-10	50458	10/24	1153	1
MS-09	50459		1113	1
5 End Lincoln	50460		1023	1
MS-11	50461		1258	1
MS-12	50462		1024	1
SCN	50463		1137	1
Chiato Cyn Rd	50464		0958	1
MS-06	50465		1218	1
MS-08	50466		1100	1
MS-07	50467		0944	1

307.91 SULFUR  
TO-15 FULL LIST

**Analysis Requested**

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Armando Horchales  
**Signature:** *Armando Horchales*  
**Relinquished By**  
Print: *Paul Schafel*  
**Signature:**

**Date** 10/24  
**Time** 1505  
**Received By**  
Print: *Paul Schafel*  
**Signature:**

**Date** 10/24/21  
**Time** 1505  
**EDD?**  
 Yes  
 No

**AAC Project No.:**

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

rhuuff@scsengineers.com

**Send Invoice To (Name/Email/Address)**

**PO Number**

**LAB USE ONLY**

**Sample Received**  
 Prepped  
 EUPS  
 Source

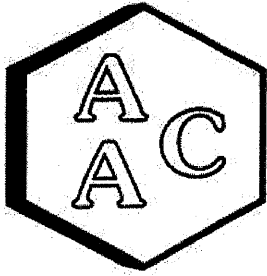
**Temperature**  
 Thermostat  
 Initials

**Analysis Requested**  
 Full Scan  
 Infrared/GAS

**Print/Signatures**







# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita ON/OFF  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232303  
REPORT DATE : 11/10/2023

On November 7, 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

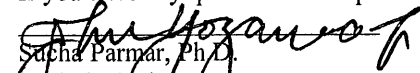
Client ID	Lab ID	Client ID	Lab ID
MS-06	232303-50990	SCV	232303-50999
MS-07	232303-50991	MS-01	232303-51000
MS-08	232303-50992	MS-02	232303-51001
MS-09	232303-50993	MS-03	232303-51002
MS-10	232303-50994	MS-04	232303-51003
MS-11	232303-50995	MS-05	232303-51004
MS-12	232303-50996	Reaction	232303-51005
Chiquito Cyn Rd	232303-50997	Working Face	232303-51006
S End Lincoln	232303-50998	--	--

**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.aacalab.com](http://www.aacalab.com).**

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Ethanol in "Working Face" (51006) was detected above calibration range, however there was insufficient volume in the Tedlar Bag for additional dilution. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

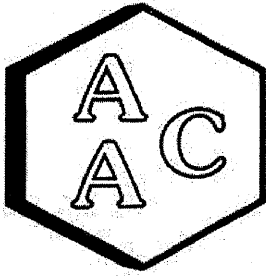
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 29 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

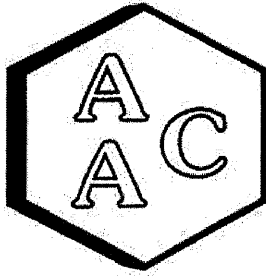
CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-06			Sample Reporting Limit (SRL) (MRL×DF's)	MS-07			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID	232303-50990				232303-50991				
Date Sampled	11/07/2023				11/07/2023				
Date Analyzed	11/08/2023				11/08/2023				
Can Dilution Factor	1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.50		1	0.50	0.56		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	53.3		1	5.00	84.7		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	42.1		1	2.00	66.9		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	11.1		1	2.00	15.8		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	7.38		1	2.00	51.4		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.62		1	0.50	0.95		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

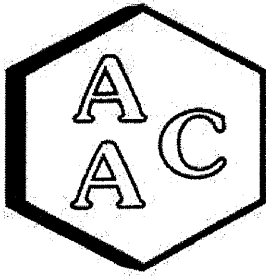
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### 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		232303-50990				232303-50991				
Date Sampled		11/07/2023				11/07/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	0.60		1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	0.53		1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	10.0		1	0.50	16.9		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		98%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

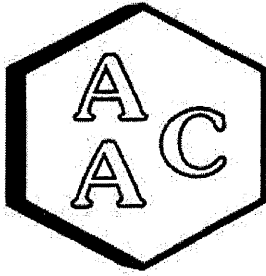
CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 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		232303-50992				232303-50993				
Date Sampled		11/07/2023				11/07/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.53		1	0.50	0.51		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	62.9		1	5.00	72.1		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	48.7		1	2.00	54.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	12.2		1	2.00	15.6		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	8.65		1	2.00	10.7		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.67		1	0.50	0.81		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

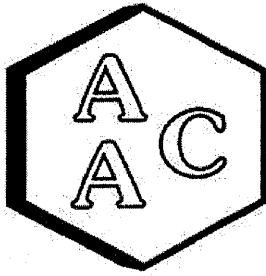
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### 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		232303-50992				232303-50993				
Date Sampled		11/07/2023				11/07/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	11.0		1	0.50	11.3		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		98%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

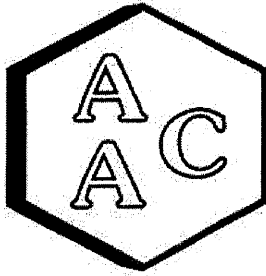
CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 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	232303-50994			232303-50995				
Date Sampled	11/07/2023				11/07/2023				
Date Analyzed	11/08/2023				11/08/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.55		1	0.50	0.52		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	64.9		1	5.00	67.3		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	52.2		1	2.00	53.9		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	19.2		1	2.00	21.6		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	9.15		1	2.00	9.80		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allvl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.73		1	0.50	0.85		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

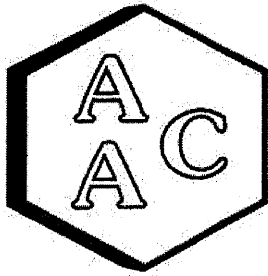
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
	232303-50994				232303-50995				
Date Sampled	11/07/2023				11/07/2023				
Date Analyzed	11/08/2023				11/08/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	7.46		1	0.50	11.8		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		101%				98%			70-130%

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

E-Compound detected above calibration range, insufficient volume in Tedlar Bag for additional dilution.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

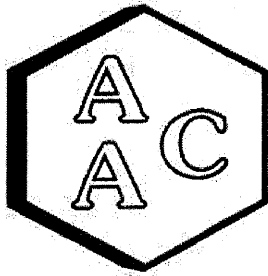
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	Result	Qualifier		
Date Sampled	232303-50996				232303-50997				
Date Analyzed	11/07/2023				11/07/2023				
Can Dilution Factor	11/09/2023				11/08/2023				
	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	0.57	U	1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	63.6		1	5.00	69.8		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	64.8		1	2.00	59.5		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	14.1		1	2.00	15.9		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	11.4		1	2.00	10.3		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.86		1	0.50	0.80		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

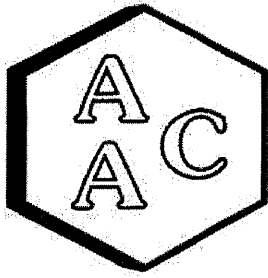
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232303-50996				232303-50997				
Date Sampled		11/07/2023				11/07/2023				
Date Analyzed		11/09/2023				11/08/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	9.89			0.50	13.2			0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		99%				96%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

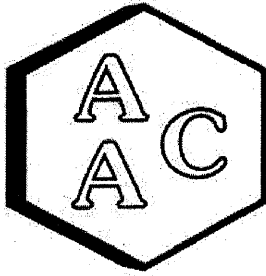
CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232303-50998			232303-50999				
Date Sampled	11/07/2023				11/07/2023				
Date Analyzed	11/08/2023				11/08/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	0.61		1	0.50	0.54		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	72.5		1	5.00	59.6		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	69.1		1	2.00	53.8		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	16.5		1	2.00	13.9		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	12.7		1	2.00	9.70		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.89		1	0.50	0.98		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

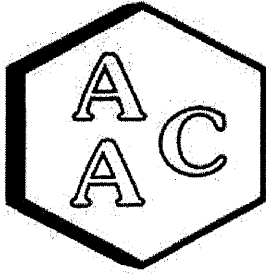
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232303-50998				232303-50999				
Date Sampled		11/07/2023			11/07/2023					
Date Analyzed		11/08/2023			11/08/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	12.8		1	0.50	11.7		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		98%				98%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

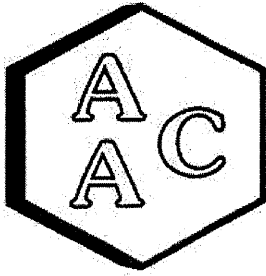
CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 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	232303-51000	Result	Qualifier	Analysis DF		232303-51001	Result	Qualifier		
Date Sampled	11/07/2023									
Date Analyzed	11/08/2023									
Can Dilution Factor	1.00									
Compound	Result	Qualifier	Analysis DF	Sample Reporting Limit (SRL) (MRLxDF's)	Result	Qualifier	Analysis DF	Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.60		1	0.50	0.63		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	73.9		1	5.00	104		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	65.6		1	2.00	67.2		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	13.6		1	2.00	16.2		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	6.68		1	2.00	56.5		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.60		1	0.50	1.03		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	0.69		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.59		1	0.50	0.76		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

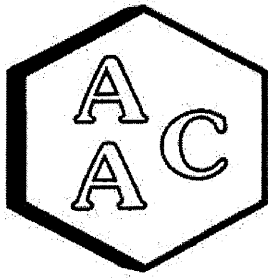
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-01				Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
Client ID	MS-01				MS-02				
AAC ID	232303-51000				232303-51001				
Date Sampled	11/07/2023				11/07/2023				
Date Analyzed	11/08/2023			11/08/2023					
Can Dilution Factor	1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	1.01		1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.65		1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	21.6		1	0.50	22.2		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	1.03		1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		100%				98%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

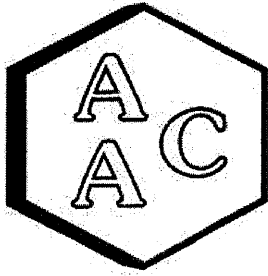
CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 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	232303-51002	Result	Qualifier	Analysis DF		232303-51003	Result	Qualifier		
Date Sampled	11/07/2023				11/07/2023					
Date Analyzed	11/08/2023				11/08/2023					
Can Dilution Factor	1.00				1.00					
Compound	Result	Qualifier	Analysis DF	Sample Reporting Limit (SRL) (MRLxDF's)	Result	Qualifier	Analysis DF	Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.62		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	66.4		1	5.00	99.5		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	52.2		1	2.00	69.8		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	11.5		1	2.00	14.6		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	9.80		1	2.00	58.1		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.86		1	0.50	1.10		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

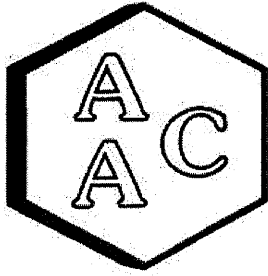
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-03				Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
232303-51002					232303-51003				
11/07/2023					11/07/2023				
11/08/2023					11/08/2023				
1.00				1.00					
Client ID				Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
AAC ID									
Date Sampled									
Date Analyzed									
Can Dilution Factor									
Compound	Result	Qualifier	Analysis DF						
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	0.99		1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.83		1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	10.4		1	0.50	27.9		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		100%				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 : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

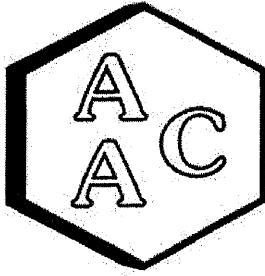
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### 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		232303-51004				232303-51005				
Date Sampled		11/07/2023				11/07/2023				
Date Analyzed		11/08/2023				11/08/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	5.74		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.54		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	110		1	5.00	118		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	86.9		1	2.00	57.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.2		1	2.00	17.5		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	75.0		1	2.00	8.83		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	5.16		1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.25		1	0.50	0.64		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	7.24		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	10.3		1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

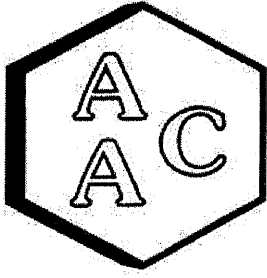
DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### 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		232303-51004				232303-51005				
Date Sampled		11/07/2023			11/07/2023					
Date Analyzed		11/08/2023			11/08/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	1.38		1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.89		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	23.6		1	0.50	19.4		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	0.60		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		96%				101%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

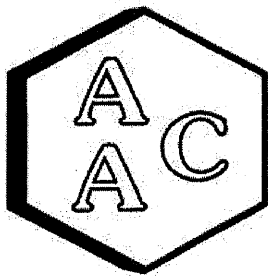
CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>Working Face</i>		<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		232303-51006			
<i>Date Sampled</i>		11/07/2023			
<i>Date Analyzed</i>		11/09/2023			
<i>Can Dilution Factor</i>		1.00			
<i>Compound</i>	<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>		
Chlorodifluoromethane	<SRL	U	1	0.50	0.50
Propene	2.34		1	1.00	1.00
Dichlorodifluoromethane	0.65		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	0.50
Methanol	102		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	0.50
Ethanol	429	E	1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	0.50
Acetone	18.8		1	2.00	2.00
Trichlorofluoromethane	1.35		1	0.50	0.50
2-Propanol (IPA)	70.4		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	6.19		1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	0.50
Ethyl Acetate	4.33		1	0.50	0.50
Tetrahydrofuran	0.68		1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232303  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/07/2023  
 DATE REPORTED : 11/10/2023  
 ANALYST : DL/CH

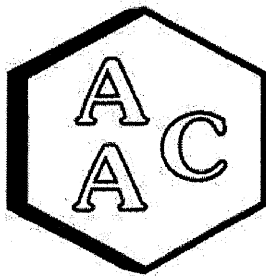
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>Working Face</i>		<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		<i>232303-51006</i>			
<i>Date Sampled</i>		<i>11/07/2023</i>			
<i>Date Analyzed</i>		<i>11/09/2023</i>			
<i>Can Dilution Factor</i>		<i>1.00</i>			
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		
Carbon Tetrachloride	<SRL	U	1	0.50	0.50
Cyclohexane	1.14		1	0.50	0.50
1,2-Dichloropropane	0.72		1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	0.50
Toluene	15.8		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery			100%		70-130%

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

E-Compound detected above calibration range, insufficient volume in Tedlar Bag for additional dilution.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/08/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MS1-051623-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 10/09/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
4-BFB (surrogate standard)	9.40	9.57	102	
Chlorodifluoromethane	10.40	9.92	95	
Propene	10.60	10.44	98	
Dichlorodifluoromethane	10.40	10.05	97	
Dimethyl Ether	10.20	9.83	96	
Chloromethane	10.40	10.93	105	
Dichlorotetrafluoroethane	10.30	9.62	93	
Vinyl Chloride	10.50	10.49	100	
Acetaldehyde	21.10	20.16	96	
Methanol	18.80	21.88	116	
1,3-Butadiene	10.60	10.33	97	
Bromomethane	10.40	9.93	95	
Chloroethane	10.30	11.01	107	
Dichlorofluoromethane	10.20	9.73	95	
Ethanol	HR	11.20	14.62	131
Vinyl Bromide	10.10	10.21	101	
Acrolein	11.10	11.07	100	
Acetone	10.60	10.81	102	
Trichlorofluoromethane	10.50	10.10	96	
2-Propanol (IPA)	11.00	12.66	115	
Acrylonitrile	11.20	11.38	102	
1,1-Dichloroethene	10.40	9.89	95	
Methylene Chloride (DCM)	10.50	9.42	90	
TertButanol (TBA)	HR	11.10	14.96	135
Allyl Chloride	10.20	9.59	94	
Carbon Disulfide	10.50	10.04	96	
Trichlorotrifluoroethane	10.40	9.49	91	
trans-1,2-Dichloroethene	10.60	10.54	99	
1,1-Dichloroethane	10.50	10.39	99	
Methyl Tert Butyl Ether (MTBE)	10.50	9.94	95	
Vinyl Acetate	11.00	10.82	98	
2-Butanone (MEK)	10.60	9.83	93	
cis-1,2-Dichloroethene	10.50	10.29	98	
Hexane	10.70	11.33	106	
Chloroform	10.60	10.24	97	
Ethyl Acetate	10.60	10.04	95	
Tetrahydrofuran	10.20	9.72	95	
1,2-Dichloroethane	10.50	9.99	95	
1,1,1-Trichloroethane	10.40	10.02	96	
Benzene	10.60	10.81	102	
Carbon Tetrachloride	10.20	10.39	102	
Cyclohexane	10.50	11.48	109	

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
1,2-Dichloropropane	10.50	10.96	104	
Bromodichloromethane	10.40	11.05	106	
1,4-Dioxane	HR	10.40	14.53	140
Trichloroethene (TCE)	10.40	10.63	102	
2,2,4-Trimethylpentane	10.00	10.48	105	
Methyl Methacrylate	11.00	11.69	106	
Heptane	10.50	10.60	101	
cis-1,3-Dichloropropene	10.40	10.78	104	
4-Methyl-2-pentanone (MiBK)	10.40	11.71	113	
trans-1,3-Dichloropropene	10.50	11.05	105	
1,1,2-Trichloroethane	10.50	10.69	102	
Toluene	10.60	11.29	107	
2-Hexanone (MBK)	10.50	13.36	127	
Dibromochloromethane	10.30	10.56	103	
1,2-Dibromoethane	10.60	10.61	100	
Tetrachloroethene (PCE)	10.40	10.80	104	
Chlorobenzene	10.60	10.57	100	
Ethylbenzene	10.50	10.81	103	
m & p-Xylene	21.00	21.72	103	
Bromoform	10.50	10.83	103	
Styrene	10.50	11.17	106	
1,1,2,2-Tetrachloroethane	10.50	11.13	106	
o-Xylene	10.50	11.10	106	
1,2,3-Trichloropropane	11.00	11.57	105	
Isopropylbenzene (Cumene)	10.30	10.41	101	
α-Pinene	10.70	11.22	105	
2-Chlorotoluene	10.30	10.80	105	
n-Propylbenzene	10.10	10.50	104	
4-Ethyltoluene	10.30	10.88	106	
1,3,5-Trimethylbenzene	10.30	10.26	100	
β-Pinene	11.00	11.63	106	
1,2,4-Trimethylbenzene	10.30	10.58	103	
Benzyl Chloride (a-Chlorotoluene)	10.40	10.27	99	
1,3-Dichlorobenzene	10.40	10.84	104	
1,4-Dichlorobenzene	10.30	10.65	103	
Sec-ButylBenzene	10.10	10.08	100	
1,2-Dichlorobenzene	10.60	10.48	99	
n-ButylBenzene	10.20	10.84	106	
1,2-Dibromo-3-Chloropropane	10.10	10.84	107	
1,2,4-Trichlorobenzene	11.00	11.54	105	
Naphthalene	11.50	13.12	114	
Hexachlorobutadiene	11.00	10.77	98	

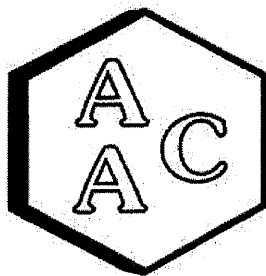
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.

HR - Recovery for this compound was high. Results should be considered biased high.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/08/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

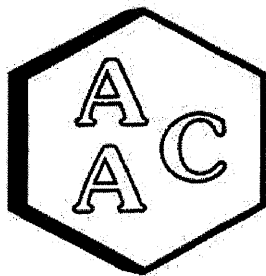
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.57	9.16	102	97	4.4
1,1-Dichloroethene	0.0	10.40	9.89	10.97	95	105	10.4
Methylene Chloride (DCM)	0.0	10.50	9.42	10.87	90	104	14.3
Benzene	0.0	10.60	10.81	11.08	102	105	2.5
Trichloroethene (TCE)	0.0	10.40	10.63	10.36	102	100	2.6
Toluene	0.0	10.60	11.29	11.13	107	105	1.4
Tetrachloroethene (PCE)	0.0	10.40	10.80	10.60	104	102	1.9
Chlorobenzene	0.0	10.60	10.57	10.50	100	99	0.7
Ethylbenzene	0.0	10.50	10.81	10.96	103	104	1.4
m & p-Xylene	0.0	21.00	21.72	21.91	103	104	0.9
o-Xylene	0.0	10.50	11.10	10.78	106	103	2.9

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 11/08/2023

INSTRUMENT ID : GC/MS-03

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : DL

UNITS : PPB (v/v)

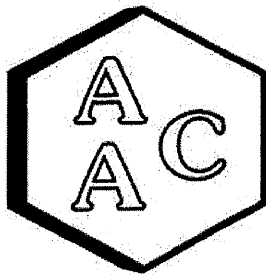
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 110823	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	1.0
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	0.5
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	2.0
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 110823	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	2.0
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	2.0
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 : 11/08/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232215-50577

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.33	9.21	1.3
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	6.66	7.02	5.3
Dichlorodifluoromethane	0.55	0.54	1.8
Dimethyl Ether	1.58	1.50	5.2
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	7.55	7.74	2.5
Methanol	20.1	18.7	7.5
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	32.4	31.9	1.7
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	15.1	13.9	7.9
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	5.24	5.00	4.7
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	13.4	13.2	1.5
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	6.86	6.61	3.7
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

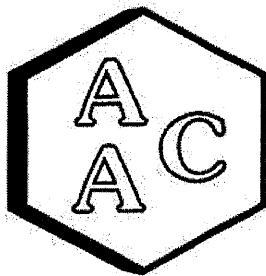
Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<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	1.38	1.34	2.9
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	<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	1.12	1.15	2.6
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> 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 : 11/09/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 10/09/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
4-BFB (surrogate standard)	9.40	9.32	99	
Chlorodifluoromethane	10.40	10.13	97	
Propene	10.60	10.60	100	
Dichlorodifluoromethane	10.40	10.16	98	
Dimethyl Ether	10.20	10.51	103	
Chloromethane	10.40	11.15	107	
Dichlorotetrafluoroethane	10.30	9.83	95	
Vinyl Chloride	10.50	10.78	103	
Acetaldehyde	21.10	21.30	101	
Methanol	18.80	23.70	126	
1,3-Butadiene	10.60	11.32	107	
Bromomethane	10.40	10.62	102	
Chloroethane	10.30	11.65	113	
Dichlorofluoromethane	10.20	10.12	99	
Ethanol	11.20	13.60	121	
Vinyl Bromide	10.10	10.13	100	
Acrolein	11.10	12.14	109	
Acetone	10.60	10.84	102	
Trichlorofluoromethane	10.50	10.24	98	
2-Propanol (IPA)	11.00	13.63	124	
Acrylonitrile	11.20	11.58	103	
1,1-Dichloroethene	10.40	10.30	99	
Methylene Chloride (DCM)	10.50	10.15	97	
TertButanol (TBA)	HR	11.10	15.98	144
Allyl Chloride	10.20	10.24	100	
Carbon Disulfide	10.50	10.64	101	
Trichlorotrifluoroethane	10.40	9.81	94	
trans-1,2-Dichloroethene	10.60	10.91	103	
1,1-Dichloroethane	10.50	10.66	102	
Methyl Tert Butyl Ether (MTBE)	10.50	10.33	98	
Vinyl Acetate	11.00	11.56	105	
2-Butanone (MEK)	10.60	10.73	101	
cis-1,2-Dichloroethene	10.50	10.81	103	
Hexane	10.70	12.65	118	
Chloroform	10.60	10.29	97	
Ethyl Acetate	10.60	10.37	98	
Tetrahydrofuran	10.20	10.54	103	
1,2-Dichloroethane	10.50	9.91	94	
1,1,1-Trichloroethane	10.40	10.03	96	
Benzene	10.60	10.91	103	
Carbon Tetrachloride	10.20	10.16	100	
Cyclohexane	10.50	10.77	103	

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
1,2-Dichloropropane	10.50	10.80	103	
Bromodichloromethane	10.40	10.47	101	
1,4-Dioxane	HR	10.40	15.27	147
Trichloroethene (TCE)	10.40	10.26	99	
2,2,4-Trimethylpentane	10.00	10.42	104	
Methyl Methacrylate	11.00	11.08	101	
Heptane	10.50	10.60	101	
cis-1,3-Dichloropropene	10.40	10.70	103	
4-Methyl-2-pentanone (MIBK)	10.40	11.89	114	
trans-1,3-Dichloropropene	10.50	11.00	105	
1,1,2-Trichloroethane	10.50	10.90	104	
Toluene	10.60	11.05	104	
2-Hexanone (MBK)	10.50	13.61	130	
Dibromochloromethane	10.30	10.22	99	
1,2-Dibromoethane	10.60	10.52	99	
Tetrachloroethene (PCE)	10.40	10.53	101	
Chlorobenzene	10.60	10.97	103	
Ethylbenzene	10.50	11.04	105	
m & p-Xylene	21.00	21.91	104	
Bromoform	10.50	10.69	102	
Styrene	10.50	11.07	105	
1,1,2,2-Tetrachloroethane	10.50	11.23	107	
o-Xylene	10.50	11.09	106	
1,2,3-Trichloropropane	11.00	11.22	102	
Isopropylbenzene (Cumene)	10.30	10.56	103	
α-Pinene	10.70	11.13	104	
2-Chlorotoluene	10.30	10.46	102	
n-Propylbenzene	10.10	10.45	103	
4-Ethyltoluene	10.30	10.75	104	
1,3,5-Trimethylbenzene	10.30	10.29	100	
β-Pinene	11.00	11.83	108	
1,2,4-Trimethylbenzene	10.30	10.50	102	
Benzyl Chloride (a-Chlorotoluene)	10.40	10.29	99	
1,3-Dichlorobenzene	10.40	10.59	102	
1,4-Dichlorobenzene	10.30	10.31	100	
Sec-ButylBenzene	10.10	10.11	100	
1,2-Dichlorobenzene	10.60	10.33	97	
n-ButylBenzene	10.20	10.54	103	
1,2-Dibromo-3-Chloropropane	10.10	10.63	105	
1,2,4-Trichlorobenzene	11.00	11.79	107	
Naphthalene	11.50	13.32	116	
Hexachlorobutadiene	11.00	10.79	98	

<sup>1</sup> Concentration of analyte compound in certified source standard.

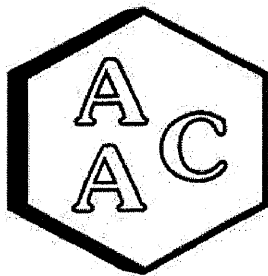
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.

HR - Recovery for this compound was high. Results should be considered biased high.







# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/09/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MSI-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

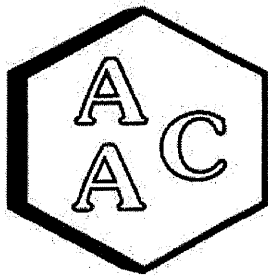
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.32	9.26	99	99	0.6
1,1-Dichloroethene	0.0	10.40	10.30	10.74	99	103	4.2
Methylene Chloride (DCM)	0.0	10.50	10.15	10.43	97	99	2.7
Benzene	0.0	10.60	10.91	10.67	103	101	2.2
Trichloroethene (TCE)	0.0	10.40	10.26	9.74	99	94	5.2
Toluene	0.0	10.60	11.05	10.95	104	103	0.9
Tetrachloroethene (PCE)	0.0	10.40	10.53	10.26	101	99	2.6
Chlorobenzene	0.0	10.60	10.97	10.62	103	100	3.2
Ethylbenzene	0.0	10.50	11.04	10.74	105	102	2.8
m & p-Xylene	0.0	21.00	21.91	21.86	104	104	0.2
o-Xylene	0.0	10.50	11.09	11.01	106	105	0.7

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 11/09/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

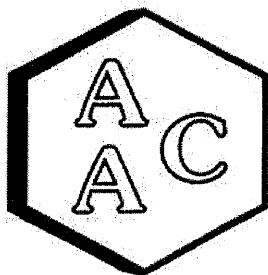
INSTRUMENT ID : GC/MS-03  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 110923	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	1.0
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	0.5
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	2.0
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 110923	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	2.0
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	2.0
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 : 11/09/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232215-50577

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	8.97	9.18	2.3
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	5.76	5.34	7.6
Dichlorodifluoromethane	0.53	0.52	1.9
Dimethyl Ether	1.39	1.47	5.6
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	6.84	7.23	5.5
Methanol	17.9	16.3	9.1
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	35.2	33.6	4.8
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	14.0	14.7	4.9
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	5.34	5.19	2.8
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	12.4	12.9	4.0
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	6.67	6.83	2.4
Tetrahydrofuran	1.14	1.03	10.1
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 <sup>2</sup>
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	1.42	1.40	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	<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	1.12	1.16	3.5
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

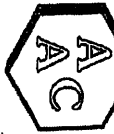
<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



232303



**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

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

**Project Manager Name**  
PAUL SCHAFER

rhuff@scsengineers.com

**Project Name**  
CHIQUITA | ON | OFF |

Send Invoice To (Name/Email/Address)

**Project Number**  
01204123.21 TASK 22

PO Number

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

**Sampler Name**  
Print: Amanda Hurstade  
Signature: *Amanda Hurstade*

**Client Sample Name**

**Sample ID**

**Sampling Date**

**Sampling Time**

**Container Type/Qty**

**Analysis Requested**

**EDD?**  
 Yes  
 No

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-06	50990	11/7	1323	Redux 1	307.91 SULFUR	
MS-07	50991		1152		TO-15 FULL LIST	
MS-08	50992		1230			
MS-09	50993		1243			
MS-10	50994		1310			
MS-11	50995		1385			
MS-12	50996		1219			
Chiquita Cyn Rd	50997		1201			
S End Lincoln	50998		1212			
SCV	50999		1253			

**Client Notes/Special Instructions:**

Relinquished By  
Print: Amanda Hurstade  
Signature: *Amanda Hurstade*

Date 11/7  
Time 1526

Received By  
Print: *Jesse*  
Signature: *Jesse*

Date 11/9/23  
Time 1530

Relinquished By  
Print:  
Signature:

232303



**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**  
CHIOUITA  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
rhuff@scsengineers.com

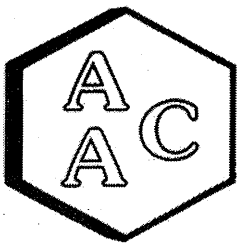
**Turnaround Time**  
 Rush 24 h  Same Day  
 Rush 48 h  5 Days  
 Rush 72 h  Normal

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**Analysis Requested**  
307.91 SULFUR  
TO-15 FULL LIST

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?	LAB USE ONLY	
MS-01	S1000	11/7	0923	Tedlar 1	X			
MS-02	S1001		1120		X			
MS-03	S1002		1333		X			
MS-04	S1003		1003		X			
MS-05	S1004		0907		X			
Reaction	S1005		1033		X			
Working Face	S1006		1134		X			
<b>Client Notes/Special Instructions:</b>								
<b>Relinquished By</b> Print: <i>Armando Hurtado</i> Signature: <i>Armando Hurtado</i>							<b>Date</b> 11/7	<b>Received By</b> Print: <i>Scott H</i> Signature: <i>Scott H</i>
<b>Relinquished By</b> Print: _____ Signature: _____							<b>Date</b> 1/5/26	<b>Received By</b> Print: _____ Signature: _____
<b>EDD?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No							<b>Date</b> 11/7/23	<b>Date</b> 1/5/20



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita [On & OFF]  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232303  
REPORT DATE : 11/09/2023

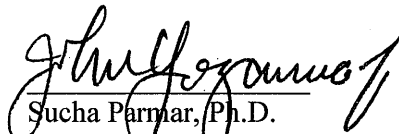
On November 7<sup>TH</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Tedlar Bags for Total Reduced Sulfur analysis by ASTM D-5504. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No
MS-06	232303-50990	SCV	232303-50999
MS-07	232303-50991	MS-01	232303-51000
MS-08	232303-50992	MS-02	232303-51001
MS-09	232303-50993	MS-03	232303-51002
MS-10	232303-50994	MS-04	232303-51003
MS-11	232303-50995	MS-05	232303-51004
MS-12	232303-50996	Reaction	232303-51005
Chiquito Cyn Rd	232303-50997	Working face	232303-51006
S End Lincoln	232303-50998		

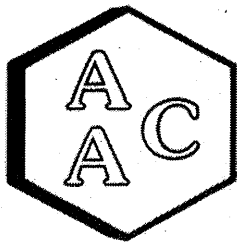
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

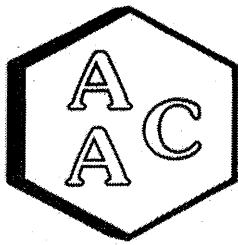
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232303  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 11/07/2023  
**RECEIVING DATE :** 11/07/2023  
**ANALYSIS DATE :** 11/08/2023  
**REPORT DATE :** 11/09/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	232303-50990	232303-50991	232303-50992	232303-50993	232303-50994	232303-50995
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232303  
**MATRIX :** AIR  
**UNITS :** ppmv

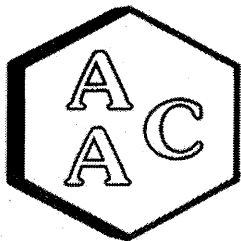
**SAMPLING DATE :** 11/07/2023  
**RECEIVING DATE :** 11/07/2023  
**ANALYSIS DATE :** 11/08/2023  
**REPORT DATE :** 11/09/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	Chiquito Cyn Rd	S End Lincoln	SCV	MS-01	MS-02
AAC ID	232303-50996	232303-50997	232303-50998	232303-50999	232303-51000	232303-51001
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.





**LABORATORY ANALYSIS REPORT**

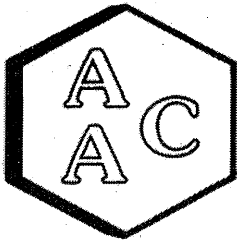
CLIENT : SCS Engineers  
 PROJECT NO. : 232303  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 11/07/2023  
 RECEIVING DATE : 11/07/2023  
 ANALYSIS DATE : 11/08/2023  
 REPORT DATE : 11/09/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-03	MS-04	MS-05	Reaction	Working face
AAC ID	232303-51002	232303-51003	232303-51004	232303-51005	232303-51006
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/8/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	876	0.504	100.9	1.1
Duplicate	869	0.500	100.1	0.3
Triplicate	854	0.491	98.3	1.4

0.548 ppbV H<sub>2</sub>S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	927	0.563	102.9	3.4
Duplicate	899	0.546	99.7	0.3
Triplicate	862	0.524	95.7	3.8

0.479 ppbV H<sub>2</sub>S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	849	0.468	97.8	0.1
Duplicate	865	0.477	99.6	1.7
Triplicate	836	0.461	96.2	1.7

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.273	0.260	109.3	104.1	4.9
MeSH	<PQL	0.274	0.287	0.281	104.8	102.6	2.1
DMS	<PQL	0.240	0.246	0.246	102.7	102.7	0.0

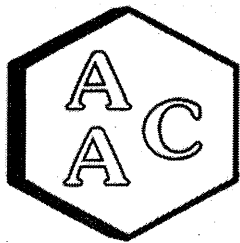
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.504	100.9
MeSH	0.548	0.560	102.3
DMS	0.479	0.466	97.3

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/8/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1884	511	102.3	3.7
Duplicate	1767	479	95.9	2.7
Triplicate	1799	488	97.7	1.0

*547.5 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2360	547	100.0	2.8
Duplicate	2280	529	96.6	0.7
Triplicate	2250	522	95.3	2.0

*479.0 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2584	489	102.0	0.7
Duplicate	2582	488	101.9	0.6
Triplicate	2533	479	100.0	1.3

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	248.2	241.9	99.3	96.8	2.6
MeSH	<PQL	273.8	270.3	276.9	98.8	101.2	2.4
DMS	<PQL	239.5	252.0	258.3	105.2	107.8	2.5

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	487.7	97.6
MeSH	547.5	526.6	96.2
DMS	479.0	471.2	98.4

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD from ssAS

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

232303



**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@aacalab.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS  
**Project Manager Name**  
PAUL SCHAFER

**Project Name**  
CHIQUITA 1 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: Arwanda Hurtado  
Signature: *Arwanda Hurtado*

**Client Sample Name**

**Sample ID**

**Sampling Date**

**Sampling Time**

**Container Type/Qty**

307.91 SULFUR

TO-15 FULL LIST

**Analysis Requested**

**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	307.91 SULFUR	TO-15 FULL LIST	EDD?	Date	Time
MS-06	50990	11/7	1323	Redux 1	X	X	<input type="checkbox"/> Yes <input type="checkbox"/> No	11/7/23	
MS-07	50991		1152		X	X			
MS-08	50992		1230		X	X			
MS-09	50993		1243		X	X			
MS-10	50994		1810		X	X			
MS-11	50995		1355		X	X			
MS-12	50996		1219		X	X			
Chiquito Cyn Rd	50997		1201		X	X			
S End Lincoln	50998		1212		X	X			
SCV	50999		1253		X	X			

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Arwanda Hurtado  
Signature: *Arwanda Hurtado*

**Relinquished By**  
Print: *[Signature]*  
Signature: *[Signature]*

**Date** 11/7  
**Time** 1526

**Received By**  
Print: *[Signature]*  
Signature: *[Signature]*

**Date** 11/7/23  
**Time** 1530

**Received By**  
Print: *[Signature]*  
Signature: *[Signature]*

232303



### 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@aacab.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 CON / OFF 1  
**Project Number**  
01204123.21 TASK 22

**Analysis Requested**

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

**Turnaround Time**

- Rush 24 h
- Same Day
- Rush 48 h
- 5 Days
- Rush 72 h
- Normal

**Sampler Name**

**Print:** Armando Hurtado  
**Signature:** [Signature]

Send Invoice To (Name/Email/Address)

PO Number

**Client Sample Name**

**Sample ID**

**Sampling Date**

**Sampling Time**

**Container Type/Qty**

307.91 SULFUR

TO-15 FULL LIST

**EDD?**

Yes  
 No

**Date**

**Time**

**Signature**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?	Date	Time	Signature
MS-01	S1000	11/7	0923	Tedder 1	X	<input type="checkbox"/> Yes <input type="checkbox"/> No	11/7/23		[Signature]
MS-02	S1001		1120		X				
MS-03	S1002		1333		X				
MS-04	S1003		1003		X				
MS-05	S1004		0907		X				
Reaction	S1005		1033		X				
Working Face	S1006		1134		X				

**Client Notes/Special Instructions:**

**Relinquished By**

**Print:** Armando Hurtado  
**Signature:** [Signature]

**Date**

**Time**

**Received By**

**Print:** [Signature]  
**Signature:** [Signature]

**EDD?**

Yes  
 No

**Date**

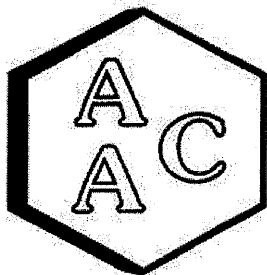
**Time**

**Date**

**Time**

**Signature**

<b>Relinquished By</b>	<b>Date</b>	<b>Received By</b>	<b>Date</b>
<b>Print:</b> Armando Hurtado	11/7	<b>Print:</b> [Signature]	11/7/23
<b>Signature:</b> [Signature]		<b>Signature:</b> [Signature]	
<b>Relinquished By</b>	<b>Date</b>	<b>Received By</b>	<b>Date</b>
<b>Print:</b> [Signature]		<b>Print:</b> [Signature]	1530
<b>Signature:</b> [Signature]		<b>Signature:</b> [Signature]	



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita ON/OFF  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232358  
REPORT DATE : 11/16/2023

On November 14, 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

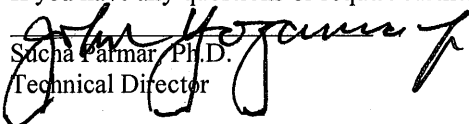
Client ID	Lab ID	Client ID	Lab ID
MS-06	232358-51207	SCV	232358-51216
MS-07	232358-51208	MS-01	232358-51217
MS-08	232358-51209	MS-02	232358-51218
MS-09	232358-51210	MS-03	232358-51219
MS-10	232358-51211	MS-04	232358-51220
MS-11	232358-51212	MS-05	232358-51221
MS-12	232358-51213	Reaction	232358-51222
Chiquito Cyn Rd	232358-51214	Working Face	232358-51223
S End Lincoln	232358-51215	--	--

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](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Methanol, Ethanol, Acetone, and Tetrahydrofuran in "Reaction" (51222) were detected above calibration range, however there was insufficient volume in the Tedlar Bag for additional dilutions. Ethanol in "MS-07" (51208) was detected above calibration range, however there was insufficient volume in the Tedlar Bag for additional dilution. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

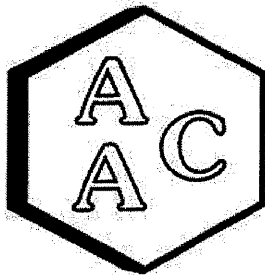
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sacha Parmar, Ph.D.  
Technical Director

This report consists of 25 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

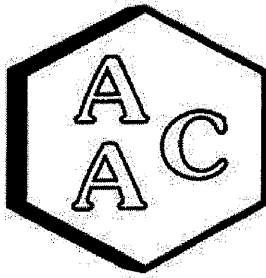
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-06			Sample Reporting Limit (SRL) (MRL×DF's)	MS-07			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID		232358-51207				232358-51208				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	1.81		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.60		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	19.4		1	5.00	37.0		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	24.8		1	2.00	122	E	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	11.2		1	2.00	25.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	1.28		1	0.50	0.50	
2-Propanol (IPA)	3.57		1	2.00	29.3		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	1.72		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	0.90		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.92		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

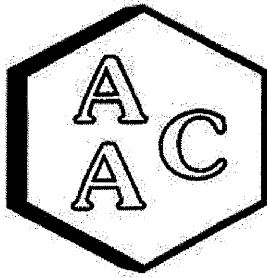
Client ID		MS-06			Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232358-51207				232358-51208				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	14.2		1	0.50	18.9		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			98%				92%		70-130%	

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

E-Compound detected above calibration range, insufficient volume in Tedlar Bag for additional dilution.







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

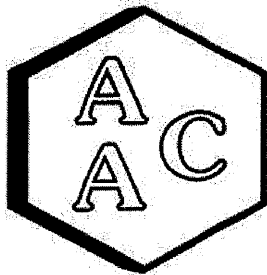
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 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		232358-51209				232358-51210				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	0.52		1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	33.4		1	5.00	28.9		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	53.8		1	2.00	33.8		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.6		1	2.00	37.8		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	21.9		1	2.00	6.11		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.65		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	0.51		1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.98		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

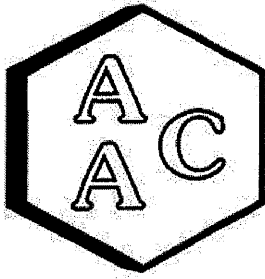
DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### 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		232358-51209				232358-51210				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	18.5		1	0.50	16.0		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery			94%				98%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

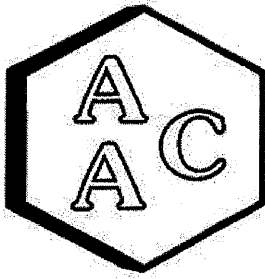
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 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		232358-51211				232358-51212				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	22.7		1	5.00	43.6		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	27.3		1	2.00	51.4		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.4		1	2.00	22.6		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	4.10		1	2.00	15.5		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	0.74		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

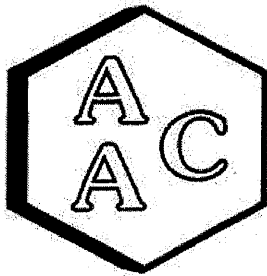
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232358-51211				232358-51212				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	15.9		1	0.50	16.5		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		95%				98%			70-130%	

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

E-Compound detected above calibration range, insufficient volume in Tedlar Bag for additional dilution.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

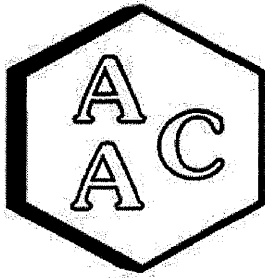
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232358-51213				232358-51214				
<i>Date Sampled</i>		11/14/2023				11/14/2023				
<i>Date Analyzed</i>		11/15/2023				11/15/2023				
<i>Can Dilution Factor</i>		1.00				1.00				
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	1.07		1	1.00	1.00	
Dichlorodifluoromethane	0.51		1	0.50	0.55		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	38.4		1	5.00	26.6		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	52.4		1	2.00	83.2		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	17.0		1	2.00	18.4		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	22.1		1	2.00	23.6		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.76		1	0.50	1.26		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	0.54		1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

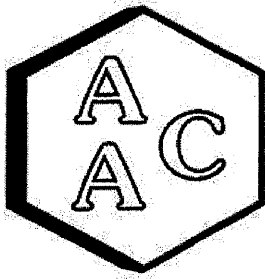
DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232358-51213				232358-51214				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	11.7		1	0.50	12.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BBB-Surrogate Std. % Recovery		96%				97%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

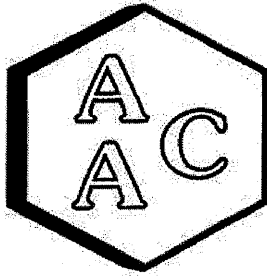
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232358-51215				232358-51216				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	27.5		1	5.00	23.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	57.7		1	2.00	30.4		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	23.4		1	2.00	14.2		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	34.1		1	2.00	4.82		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	1.06		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

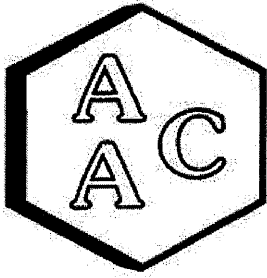
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232358-51215				232358-51216				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	0.50		1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	14.1		1	0.50	11.0		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		96%				97%			70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

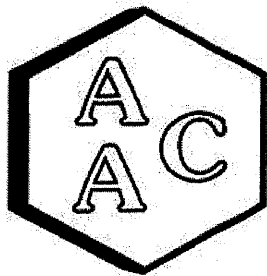
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-01				Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
232358-51217					232358-51218				
11/14/2023					11/14/2023				
11/15/2023					11/15/2023				
1.00				1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	1.06		1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	0.53		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	30.0		1	5.00	43.6		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	37.2		1	2.00	50.1		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	15.0		1	2.00	17.3		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	5.47		1	2.00	6.86		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	1.69		1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	1.50		1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

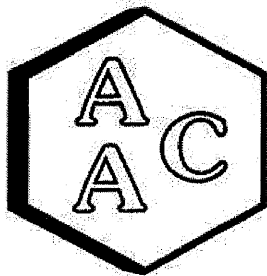
DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-01				Sample Reporting Limit (SRL) (MRLxDF's)	MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
232358-51217					232358-51218				
11/14/2023					11/14/2023				
11/15/2023					11/15/2023				
1.00				1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	20.3		1	0.50	15.4		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		98%				96%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

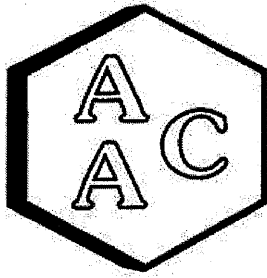
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-03			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	MS-04			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		232358-51219				232358-51220				
<i>Date Sampled</i>		11/14/2023				11/14/2023				
<i>Date Analyzed</i>		11/15/2023				11/15/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	6.61		1	1.00	1.00	
Dichlorodifluoromethane	0.54		1	0.50	0.54		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	42.0		1	5.00	30.7		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	1.31		1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	53.5		1	2.00	45.4		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	15.7		1	2.00	11.5		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	16.1		1	2.00	5.77		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.84		1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	2.54		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

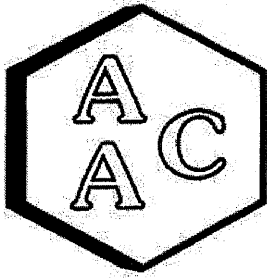
DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### 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	232358-51219	Result	Qualifier	Analysis DF		232358-51220	Result	Qualifier		
Date Sampled	11/14/2023				Date Analyzed	11/15/2023				
Can Dilution Factor	1.00				Can Dilution Factor	1.00				
Compound	Result	Qualifier	Analysis DF	Sample Reporting Limit (SRL) (MRLxDF's)	Result	Qualifier	Analysis DF	Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	0.54		1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	13.8		1	0.50	19.0		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	0.58		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	1.56		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	0.58		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		98%				95%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

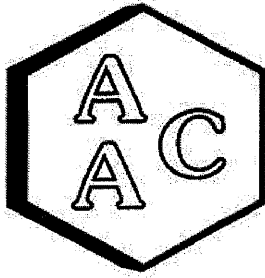
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 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		232358-51221				232358-51222				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	1.14		1	1.00	34.2		1	1.00	1.00	
Dichlorodifluoromethane	0.54		1	0.50	0.57		1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	33.7		1	5.00	1690	E	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	49.6		1	2.00	742	E	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	13.4		1	2.00	237	E	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	5.82		1	2.00	95.1		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Butanone (MEK)	<SRL	U	1	2.00	110	E	1	2.00	2.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	1.12		1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	12.2		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	125	E	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	67.7		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

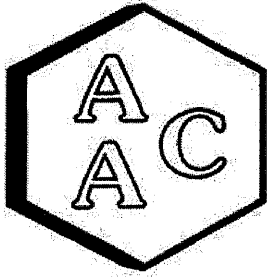
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232358-51221				232358-51222				
Date Sampled		11/14/2023				11/14/2023				
Date Analyzed		11/15/2023				11/15/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	0.86		1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	1.98		1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	4.96		1	2.00	2.00	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	14.0		1	0.50	19.1		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	3.48		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	3.80		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	1.47		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	0.68		1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		97%				97%			70-130%	

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

E-Compound detected above calibration range, insufficient volume in Tedlar Bag for additional dilution.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

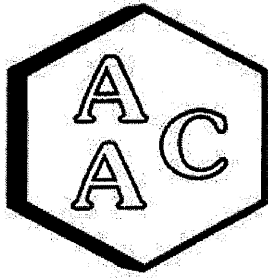
CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>	<i>Working Face</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>	232358-51223				
<i>Date Sampled</i>	11/14/2023				
<i>Date Analyzed</i>	11/15/2023				
<i>Can Dilution Factor</i>	1.00				
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		
Chlorodifluoromethane	<SRL	U	1	0.50	0.50
Propene	7.04		1	1.00	1.00
Dichlorodifluoromethane	3.97		1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	0.50
Methanol	141		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	1.00	1.00
Dichlorofluoromethane	<SRL	U	1	0.50	0.50
Ethanol	567	E	1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	0.50
Acetone	36.4		1	2.00	2.00
Trichlorofluoromethane	18.1		1	0.50	0.50
2-Propanol (IPA)	37.4		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	0.50	0.50
Carbon Disulfide	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	0.50	0.50
2-Butanone (MEK)	4.20		1	2.00	2.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
Hexane	0.98		1	0.50	0.50
Chloroform	<SRL	U	1	0.50	0.50
Ethyl Acetate	6.69		1	0.50	0.50
Tetrahydrofuran	1.59		1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	0.50
Benzene	0.73		1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232358  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/14/2023  
 DATE REPORTED : 11/16/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

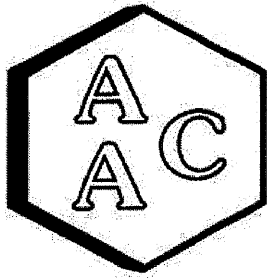
<i>Client ID</i>	<i>Working Face</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>	232358-51223				
<i>Date Sampled</i>	11/14/2023				
<i>Date Analyzed</i>	11/15/2023				
<i>Can Dilution Factor</i>	1.00				
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		
Carbon Tetrachloride	<SRL	U	1	0.50	0.50
Cyclohexane	0.62		1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	2.00	2.00
Trichloroethene (TCE)	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	0.50
Heptane	0.68		1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.00	2.00
trans-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	0.50
Toluene	12.8		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	2.00	2.00
Dibromochloromethane	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	0.50
Ethylbenzene	0.73		1	0.50	0.50
m & p-Xylene	1.74		1	1.00	1.00
Bromoform	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	0.50
o-Xylene	0.64		1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		97%			70-130%

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

E-Compound detected above calibration range, insufficient volume in Tedlar Bag for additional dilution.







# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/15/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 CALIBRATION STD ID : MSI-051623-01  
 ANALYST : DL

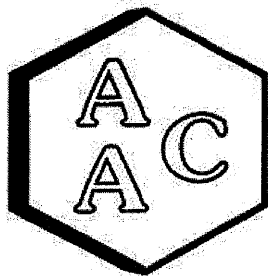
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 10/09/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
4-BFB (surrogate standard)	9.40	8.74	93	
Chlorodifluoromethane	10.40	10.65	102	
Propene	10.60	12.59	119	
Dichlorodifluoromethane	10.40	10.41	100	
Dimethyl Ether	10.20	11.48	113	
Chloromethane	10.40	12.20	117	
Dichlorotetrafluoroethane	10.30	10.19	99	
Vinyl Chloride	10.50	12.25	117	
Acetaldehyde	21.10	22.63	107	
Methanol	18.80	23.96	127	
1,3-Butadiene	10.60	12.81	121	
Bromomethane	10.40	11.65	112	
Chloroethane	10.30	13.07	127	
Dichlorofluoromethane	10.20	10.59	104	
Ethanol	11.20	14.45	129	
Vinyl Bromide	10.10	11.23	111	
Acrolein	11.10	13.20	119	
Acetone	10.60	11.87	112	
Trichlorofluoromethane	10.50	9.83	94	
2-Propanol (IPA)	11.00	14.15	129	
Acrylonitrile	11.20	12.77	114	
1,1-Dichloroethene	10.40	11.25	108	
Methylene Chloride (DCM)	10.50	10.95	104	
TertButanol (TBA)	HR	11.10	16.44	148
Allyl Chloride	10.20	10.10	99	
Carbon Disulfide	10.50	11.68	111	
Trichlorotrifluoroethane	10.40	10.05	97	
trans-1,2-Dichloroethene	10.60	11.56	109	
1,1-Dichloroethane	10.50	11.25	107	
Methyl Tert Butyl Ether (MTBE)	10.50	10.68	102	
Vinyl Acetate	11.00	12.24	111	
2-Butanone (MEK)	10.60	11.25	106	
cis-1,2-Dichloroethene	10.50	11.36	108	
Hexane	10.70	12.25	114	
Chloroform	10.60	10.63	100	
Ethyl Acetate	10.60	11.08	105	
Tetrahydrofuran	10.20	11.67	114	
1,2-Dichloroethane	10.50	9.81	93	
1,1,1-Trichloroethane	10.40	10.15	98	
Benzene	10.60	11.06	104	
Carbon Tetrachloride	10.20	9.54	94	
Cyclohexane	10.50	11.43	109	

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
1,2-Dichloropropane	10.50	11.11	106	
Bromodichloromethane	10.40	10.24	98	
1,4-Dioxane	HR	10.40	15.98	154
Trichloroethene (TCE)	10.40	10.62	102	
2,2,4-Trimethylpentane	10.00	11.54	115	
Methyl Methacrylate	11.00	11.16	101	
Heptane	10.50	10.76	102	
cis-1,3-Dichloropropene	10.40	10.63	102	
4-Methyl-2-pentanone (MIBK)	10.40	13.01	125	
trans-1,3-Dichloropropene	10.50	10.58	101	
1,1,2-Trichloroethane	10.50	10.65	101	
Toluene	10.60	11.05	104	
2-Hexanone (MBK)	10.50	12.72	121	
Dibromochloromethane	10.30	9.87	96	
1,2-Dibromoethane	10.60	10.26	97	
Tetrachloroethene (PCE)	10.40	10.26	99	
Chlorobenzene	10.60	10.45	99	
Ethylbenzene	10.50	10.56	101	
m & p-Xylene	21.00	20.99	100	
Bromoform	10.50	10.16	97	
Styrene	10.50	10.65	101	
1,1,2,2-Tetrachloroethane	10.50	10.92	104	
o-Xylene	10.50	10.67	102	
1,2,3-Trichloropropane	11.00	11.33	103	
Isopropylbenzene (Cumene)	10.30	9.94	97	
α-Pinene	10.70	10.72	100	
2-Chlorotoluene	10.30	10.21	99	
n-Propylbenzene	10.10	10.03	99	
4-Ethyltoluene	10.30	10.12	98	
1,3,5-Trimethylbenzene	10.30	9.72	94	
β-Pinene	11.00	11.51	105	
1,2,4-Trimethylbenzene	10.30	10.31	100	
Benzyl Chloride (a-Chlorotoluene)	10.40	9.68	93	
1,3-Dichlorobenzene	10.40	9.98	96	
1,4-Dichlorobenzene	10.30	9.60	93	
Sec-ButylBenzene	10.10	9.75	97	
1,2-Dichlorobenzene	10.60	9.76	92	
n-ButylBenzene	10.20	10.00	98	
1,2-Dibromo-3-Chloropropane	10.10	9.87	98	
1,2,4-Trichlorobenzene	11.00	10.95	100	
Naphthalene	11.50	12.15	106	
Hexachlorobutadiene	11.00	10.02	91	

<sup>1</sup> Concentration of analyte compound in certified source standard.  
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).  
<sup>3</sup> The acceptable range for analyte recovery is 100±30%.  
 HR - Recovery for this compound was high. Results should be considered biased high.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/15/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03

CALIBRATION STD ID : MS1-051623-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

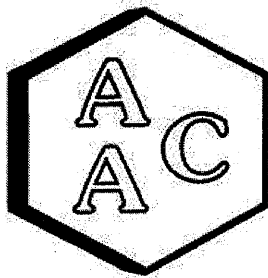
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	8.74	8.87	93	94	1.5
1,1-Dichloroethene	0.0	10.40	11.25	10.91	108	105	3.1
Methylene Chloride (DCM)	0.0	10.50	10.95	10.46	104	100	4.6
Benzene	0.0	10.60	11.06	10.98	104	104	0.7
Trichloroethene (TCE)	0.0	10.40	10.62	10.58	102	102	0.4
Toluene	0.0	10.60	11.05	11.02	104	104	0.3
Tetrachloroethene (PCE)	0.0	10.40	10.26	10.27	99	99	0.1
Chlorobenzene	0.0	10.60	10.45	10.90	99	103	4.2
Ethylbenzene	0.0	10.50	10.56	10.61	101	101	0.5
m & p-Xylene	0.0	21.00	20.99	21.79	100	104	3.7
o-Xylene	0.0	10.50	10.67	10.67	102	102	0.0

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 11/15/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

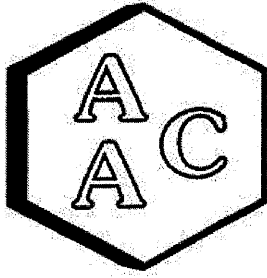
INSTRUMENT ID : GC/MS-03  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 111523	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	1.0
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	0.5
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	2.0
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 111523	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	2.0
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	2.0
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 : 11/15/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-03  
 ANALYST : DL  
 DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232292-50946

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.01	9.30	3.2
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	1.80	1.80	0.0
Dichlorodifluoromethane	0.56	0.59	5.2
Dimethyl Ether	2.79	2.68	4.0
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	7.17	7.34	2.3
Methanol	50.9	48.8	4.2
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	E 245	230	6.7
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	16.3	15.9	2.6
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	6.80	6.52	4.2
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)	3.61	3.48	3.7
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	1.41	1.36	3.6
Tetrahydrofuran	0.68	0.85	22.2
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	0.50	0.52	3.9
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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)	J 1.62	1.76	8.3
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	2.00	2.04	2.0
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	J 0.58	0.66	12.9
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

E - Estimated value above the calibration range.

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



232358



**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: *Armando Hurtado*

**Client Sample Name**

**Sample ID**

**Sampling Date**

**Sampling Time**

**Container Type/Qty**

307.91 SULFUR

TO-15 FULL LIST

**EDD?**  
 Yes  
 No

**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	307.91 SULFUR	TO-15 FULL LIST	EDD?
MS-06	51207	4/14	1220	Tedlar 1	X	X	
MS-07	51208		1017		X	X	
MS-08	51209		1108		X	X	
MS-09	51210		1124		X	X	
MS-10	51211		1189		X	X	
MS-11	51212		1250		X	X	
MS-12	51213		1045		X	X	
Chiquita Gun Rd	51214		1028		X	X	
S End Lincoln	51215		1037		X	X	
SCV	51216		1132		X	X	

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Armando Hurtado  
Signature: *Armando Hurtado*

**Date**  
4/14

**Received By**  
Print: Jesse  
Signature: *Jesse*

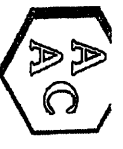
**Date**  
4/14/23

**Relinquished By**  
Print: *[Signature]*  
Signature: *[Signature]*

**Date**  
4/14/23

*Drop off*

232358



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

**Client/Company Name**  
SCS ENGINEERS  
**Project Manager Name**  
PAUL SCHAFER

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

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:** *Paul Schaffer*

**LAB USE ONLY**  
LAB ID: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	Analysis Requested	EDD?
MS-01	51217	11/14	0848	29bar 1	X	X		<input type="checkbox"/> Yes <input type="checkbox"/> No
MS-02	51218		0944		X	X		
MS-03	51219		1230		X	X		
MS-04	51220		0917		X	X		
MS-05	51221		0831		X	X		
Reaction	51222		0927		X	X		
Working Face	51223		0957		X	X		

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Armando Hurtado*  
**Signature:** *Armando Hurtado*

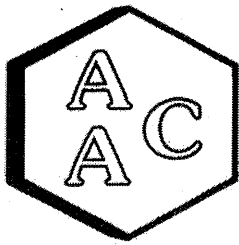
**Relinquished By**  
Print: \_\_\_\_\_  
**Signature:** \_\_\_\_\_

**Date** 11/14  
**Time** 1411

**Received By** *PS*  
**Signature:** \_\_\_\_\_  
**Date** 11/14  
**Time** 1411

**LAB USE ONLY**  
LAB ID: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

*Drop off*



## Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita [ ON / OFF ]  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232358  
REPORT DATE : 11/15/2023

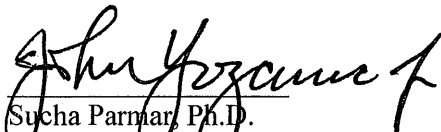
On November 14<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
MS-06	232358-51207	SCV	232358-51216
MS-07	232358-51208	MS-01	232358-51217
MS-08	232358-51209	MS-02	232358-51218
MS-09	232358-51210	MS-03	232358-51219
MS-10	232358-51211	MS-04	232358-51220
MS-11	232358-51212	MS-05	232358-51221
MS-12	232358-51213	Reaction	232358-51222
Chiquito Cyn Rd	232358-51214	Working Face	232358-51223
S End Lincoln	232358-51215		

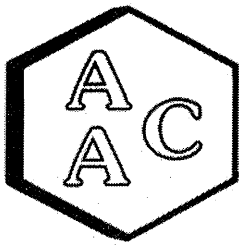
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of this sample. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 10 pages.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232358  
**MATRIX :** AIR  
**UNITS :** ppmv

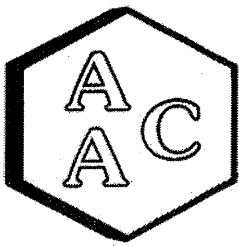
**SAMPLING DATE :** 11/14/2023  
**RECEIVING DATE :** 11/14/2023  
**ANALYSIS DATE :** 11/14-15/2023  
**REPORT DATE :** 11/16/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	232358-51207	232358-51208	232358-51209	232358-51210	232358-51211	232358-51212
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	<b>0.081</b>	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	<b>0.120</b>	<b>0.060</b>	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	<b>0.201</b>	<b>0.060</b>	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.





# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

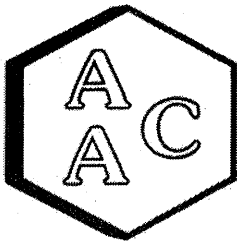
CLIENT : SCS Engineers  
 PROJECT NO. : 232358  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 11/14/2023  
 RECEIVING DATE : 11/14/2023  
 ANALYSIS DATE : 11/14-15/2023  
 REPORT DATE : 11/16/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-12	Chiquito Cyn Rd	S End Lincoln	SCV	MS-01	MS-02
AAC ID	232358-51213	232358-51214	232358-51215	232358-51216	232358-51217	232358-51218
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	<b>0.072</b>	< 0.050	< 0.050
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	<b>0.060</b>	< 0.050	< 0.050
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	<b>0.132</b>	< 0.050	< 0.050

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



**LABORATORY ANALYSIS REPORT**

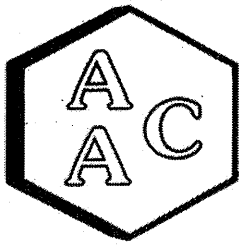
CLIENT : SCS Engineers  
 PROJECT NO. : 232358  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 11/14/2023  
 RECEIVING DATE : 11/14/2023  
 ANALYSIS DATE : 11/15/2023  
 REPORT DATE : 11/16/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	232358-51219	232358-51220	232358-51221	232358-51222	232358-51223
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	<b>0.156</b>	< 0.050
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.050
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.050	< 0.050
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	<b>0.156</b>	< 0.050

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/14/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1765	479	95.8	3.1
Duplicate	1905	517	103.4	4.6
Triplicate	1796	487	97.5	1.4

*547.5 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2386	553	101.1	0.3
Duplicate	2356	546	99.8	1.0
Triplicate	2396	556	101.5	0.7

*479.0 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2643	500	104.3	3.9
Duplicate	2497	472	98.6	1.8
Triplicate	2491	471	98.3	2.1

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

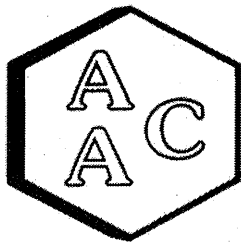
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	237.8	253.3	95.2	101.4	6.3
MeSH	<PQL	273.8	255.7	262.1	93.4	95.8	2.5
DMS	<PQL	239.5	230.7	235.4	96.3	98.3	2.0

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	508.5	101.7
MeSH	547.5	552.8	101.0
DMS	479.0	486.3	101.5

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/14/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H2S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	905	0.521	104.2	4.9
Duplicate	836	0.481	96.3	3.0
Triplicate	846	0.487	97.4	1.9

0.548 ppbV H2S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	910	0.553	101.0	1.7
Duplicate	899	0.546	99.8	0.4
Triplicate	877	0.533	97.3	2.1

0.479 ppbV H2S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	864	0.476	99.5	0.5
Duplicate	854	0.471	98.3	0.7
Triplicate	862	0.475	99.2	0.2

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.254	0.252	101.7	100.9	0.8
MeSH	<PQL	0.274	0.292	0.286	106.7	104.5	2.1
DMS	<PQL	0.240	0.252	0.256	105.2	106.9	1.6

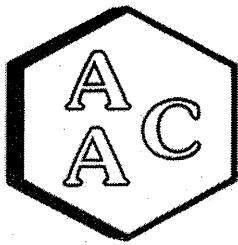
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.499	99.8
MeSH	0.548	0.557	101.7
DMS	0.479	0.496	103.5

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/15/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1751	475	95.0	3.7
Duplicate	1802	489	97.8	0.8
Triplicate	1899	515	103.1	4.5

*547.5 ppbV H2S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2471	573	104.7	3.0
Duplicate	2373	550	100.5	1.1
Triplicate	2353	546	99.7	1.9

*479.0 ppbV H2S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2589	489	102.2	1.0
Duplicate	2647	500	104.5	1.3
Triplicate	2606	493	102.9	0.3

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	259.9	260.1	104.0	104.1	0.1
MeSH	<PQL	273.8	275.6	294.8	100.7	107.7	6.7
DMS	<PQL	239.5	248.1	256.5	103.6	107.1	3.3

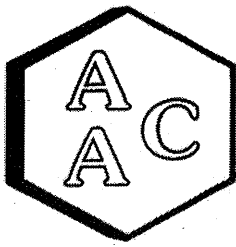
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	539.3	107.9
MeSH	547.5	589.3	107.6
DMS	479.0	523.6	109.3

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be <10%, \*\*\*\* Must be <5% RPD fro. ssAS

MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV

DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/15/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SS1289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	877	0.505	101.0	1.5
Duplicate	877	0.504	100.9	1.4
Triplicate	840	0.483	96.7	2.9

*0.548 ppbV H2S (SS1289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	871	0.529	96.7	0.6
Duplicate	857	0.521	95.2	2.1
Triplicate	900	0.547	99.9	2.7

*0.479 ppbV H2S (SS1289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	858	0.473	98.8	1.4
Duplicate	863	0.476	99.4	0.8
Triplicate	890	0.491	102.4	2.2

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.268	0.254	107.3	101.7	5.4
MeSH	<PQL	0.274	0.264	0.257	96.4	93.9	2.7
DMS	<PQL	0.240	0.244	0.256	101.9	106.9	4.8

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.497	99.4
MeSH	0.548	0.551	100.6
DMS	0.479	0.481	100.4

\* 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

**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@aacnh.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

Client/Company Name  
SCS ENGINEERS  
Project Manager Name  
PAUL SCHAFER

Project Name  
CHIQUITA I ON / OFF  
Project Number  
01204123.21 TASK 22

AAC Project No.:  
Send Report To (Name/Email/Address)  
pschafer@scsengineers.com  
rhuff@scsengineers.com

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

Sampler Name  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

Analysis Requested  
307.91 SULFUR  
TO-15 FULL LIST

Send Invoice To (Name/Email/Address)  
PO Number

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	EDD?	LAB USE ONLY
MS-06	51207	4/14	1220	Tedlar 1	X	X		Sample Received
MS-07	51208		1217		X	X		Prep
MS-08	51209		1108		X	X		Analysis
MS-09	51210		1124		X	X		Container
MS-10	51211		1159		X	X		Label
MS-11	51212		1250		X	X		Test
MS-12	51213		1045		X	X		Volume
Chiquita Gr. Rd	51214		1028		X	X		Count
5 End Lincoln	51215		1037		X	X		Notes
SCV	51216		1132		X	X		Total

Relinquished By  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

Date: 4/14  
Time: 1411

Received By  
Print: *Dave*  
Signature: *Dave*

Date: 4/14/23  
Time: 1411

EDD?  
 Yes  
 No

*Dave off*

232358



**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@aacahb.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: *Armando Hurtado*

**Client Sample Name**

**Sample ID**      **Sampling Date**      **Sampling Time**      **Container Type/Qty**

MS-01	51217	11/14	0848	1 Tedlar
MS-02	51218		0944	
MS-03	51219		1230	
MS-04	51220		0917	
MS-05	51221		0831	
Reaction	51222		0927	
Working Face	51223		0957	

307.91 SULFUR

TO-15 FULL LIST

**Analysis Requested**

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**Relinquished By**  
Print: \_\_\_\_\_  
Signature: \_\_\_\_\_

**Date** 11/14      **Received By** *Jose*  
**Time** 1411      **Signature:** *Jose*

**Date** \_\_\_\_\_      **Received By** \_\_\_\_\_  
**Time** \_\_\_\_\_      **Signature:** \_\_\_\_\_

**EDD?**  
 Yes  
 No

**Date** 11/14/23  
**Time** 1411

**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**

**Sample Received**  
 Filter  
 Filter  
 Filter

**Equipment**  
\_\_\_\_\_

**Operator**  
\_\_\_\_\_

**Analyst**  
\_\_\_\_\_

**Initials**  
\_\_\_\_\_

**Method/Address**  
\_\_\_\_\_

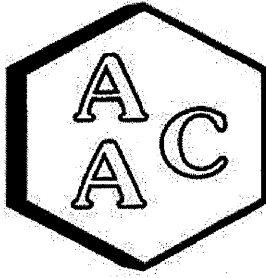
**Total Lanes**  
\_\_\_\_\_

**Method/Address**  
\_\_\_\_\_

**Initials**  
\_\_\_\_\_

*Drop off*





# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita ON/OFF  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232432  
REPORT DATE : 11/27/2023

On November 21, 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

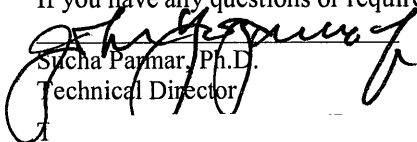
Client ID	Lab ID	Client ID	Lab ID
MS-06	232432-51609	Chiquito Cyn Rd	232432-51618
MS-07	232432-51610	MS-01	232432-51619
MS-08	232432-51611	MS-02*	232432-51620
MS-09	232432-51612	MS-03	232432-51621
MS-10	232432-51613	MS-04	232432-51622
MS-12	232432-51614	MS-05	232432-51623
MS-11	232432-51615	Reaction	232432-51624
SCV	232432-51616	MS-02	232432-51625
S End Lincoln	232432-51617	--	--

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](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No other problems were encountered during receiving, preparation, and/or analysis of these samples.

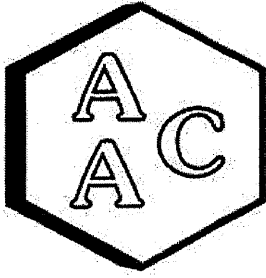
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Satcha Paymar, Ph.D.  
Technical Director

This report consists of 25 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

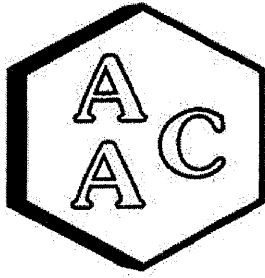
CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-06			Sample Reporting Limit (SRL) (MRL×DF's)	MS-07			Sample Reporting Limit (SRL) (MRL×DF's)	Method Reporting Limit (MRL)
AAC ID		232432-51609				232432-51610				
Date Sampled		11/21/2023				11/21/2023				
Date Analyzed		11/22/2023				11/22/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF			Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.63		1	0.50	<SRL	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	28.2		1	5.00	28.4		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	17.8		1	2.00	26.8		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	10.7		1	2.00	13.1		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	7.29		1	2.00	6.68		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.51		1	0.50	0.70		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	0.67		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.68		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

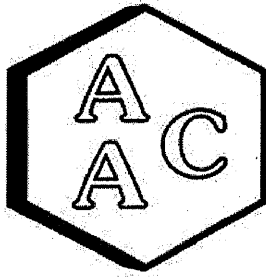
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### 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		232432-51609				232432-51610				
Date Sampled		11/21/2023				11/21/2023				
Date Analyzed		11/22/2023				11/22/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	5.99		1	0.50	12.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		105%				104%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

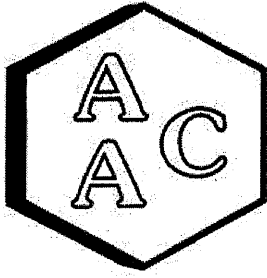
CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 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	Result	Qualifier		Analysis DF	Result	Qualifier		
Date Sampled	232432-51611				232432-51612				
Date Analyzed	11/21/2023				11/21/2023				
Can Dilution Factor	11/22/2023				11/22/2023				
Compound	1.00				1.00				
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	0.74		1	0.50	0.59		1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	21.3		1	5.00	18.4		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	25.4		1	2.00	21.9		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	9.08		1	2.00	12.1		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	6.02		1	2.00	4.50		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.70		1	0.50	0.57		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232432  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

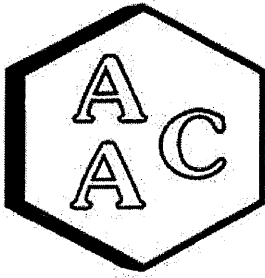
**DATE RECEIVED :** 11/21/2023  
**DATE REPORTED :** 11/27/2023  
**ANALYST :** DL/CH

### 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	Result	Qualifier		AAC ID	Result	Qualifier		
	232432-51611			232432-51612					
Date Sampled	11/21/2023			11/21/2023					
Date Analyzed	11/22/2023			11/22/2023					
Can Dilution Factor	1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	9.98		1	0.50	7.77		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		108%				103%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

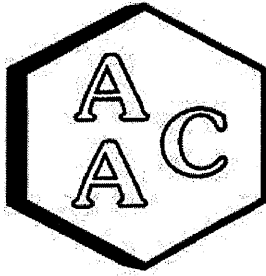
CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232432-51613				232432-51614				
Date Sampled		11/21/2023				11/21/2023				
Date Analyzed		11/22/2023				11/22/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	0.61		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	12.1		1	5.00	25.0		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	27.9		1	2.00	42.0		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	11.0		1	2.00	12.8		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	6.05		1	2.00	8.10		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.55		1	0.50	1.01		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

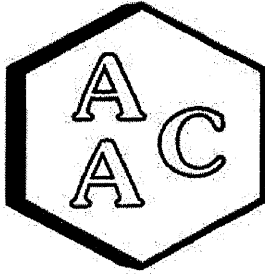
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/22/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232432-51613			232432-51614				
Date Sampled	11/21/2023				11/21/2023				
Date Analyzed	11/22/2023				11/22/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	14.4		1	0.50	11.4		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		103%				104%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

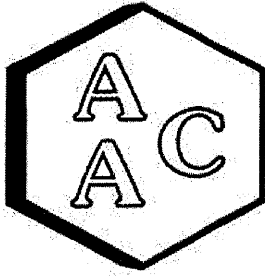
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRL <sub>x</sub> DF's)	SCV			Sample Reporting Limit (SRL) (MRL <sub>x</sub> DF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		232432-51615	Result	Qualifier		
Date Sampled									
Date Analyzed									
Can Dilution Factor									
Compound	Result	Qualifier	Analysis DF	(MRL <sub>x</sub> DF's)	Result	Qualifier	Analysis DF	(MRL <sub>x</sub> DF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	0.62		1	0.50	0.64		1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	31.4		1	5.00	12.6		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	23.5		1	2.00	29.1		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	10.8		1	2.00	8.07		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	9.24		1	2.00	6.17		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.68		1	0.50	0.55		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

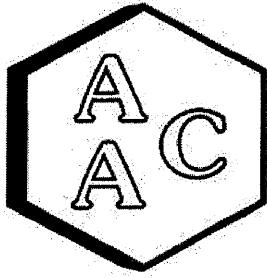
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232432-51615			232432-51616				
Date Sampled	11/21/2023				11/21/2023				
Date Analyzed	11/22/2023				11/22/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	14.1		1	0.50	12.4		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		103%				104%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

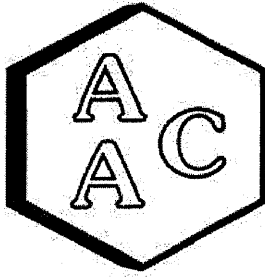
CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 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		232432-51617				232432-51618				
Date Sampled		11/21/2023				11/21/2023				
Date Analyzed		11/22/2023				11/22/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF			Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.57		1	0.50	0.57		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	22.0		1	5.00	21.9		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	26.3		1	2.00	26.3		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	16.2		1	2.00	12.2		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	6.38		1	2.00	7.06		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.71		1	0.50	0.73		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

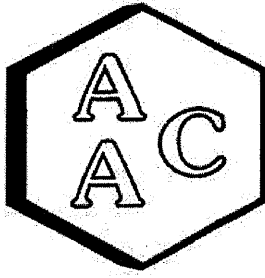
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID AAC ID	S End Lincoln 232432-51617			Sample Reporting Limit (SRL)	Chiquito Cyn Rd 232432-51618			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	Date Sampled	Date Analyzed	Can Dilution Factor		Date Sampled	Date Analyzed	Can Dilution Factor		
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	9.26		1	0.50	9.36		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		102%				103%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

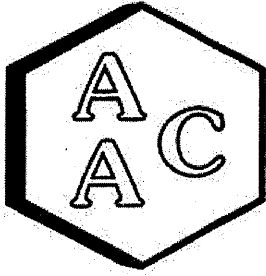
CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 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	Result	Qualifier		Analysis DF	Result	Qualifier		
	232432-51619				232432-51620				
Date Sampled	11/21/2023				11/21/2023				
Date Analyzed	11/22/2023				11/22/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	0.57		1	0.50	0.58		1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	16.8		1	5.00	27.0		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	31.6		1	2.00	70.5		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	12.1		1	2.00	13.4		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	0.59		1	0.50	0.50
2-Propanol (IPA)	7.25		1	2.00	9.24		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.60		1	0.50	1.38		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

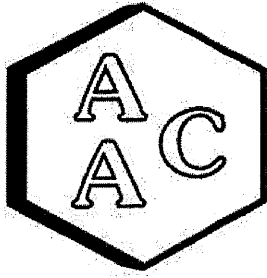
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### 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		232432-51619				232432-51620				
Date Sampled		11/21/2023				11/21/2023				
Date Analyzed		11/22/2023				11/22/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	11.0		1	0.50	11.8		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	1.17		1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	0.50		1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		103%			104%			70-130%		

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

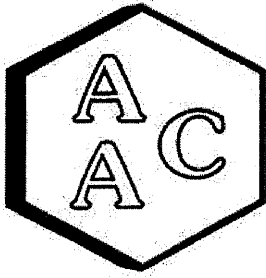
CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 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	Result	Qualifier		232432-51622	Result	Qualifier		
Date Sampled	232432-51621	11/21/2023	1	0.50	<SRL	U	1	0.50	0.50
Date Analyzed	11/21/2023	11/21/2023	1	1.00	<SRL	U	1	1.00	1.00
Can Dilution Factor	1.00	1.00	1	0.50	<SRL	U	1	0.50	0.50
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	0.51		1	0.50	0.68		1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	61.4		1	5.00	31.5		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	28.3		1	2.00	34.7		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	19.2		1	2.00	18.9		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	11.5		1	2.00	9.06		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.87		1	0.50	0.89		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

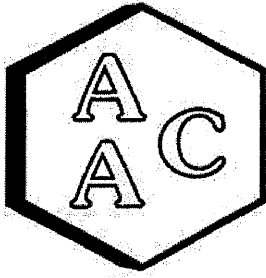
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-03				Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
Client ID	MS-03				MS-04				
AAC ID	232432-51621				232432-51622				
Date Sampled	11/21/2023				11/21/2023				
Date Analyzed	11/22/2023			11/22/2023					
Can Dilution Factor	1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Method Reporting Limit (MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	10.3		1	0.50	16.7		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		103%				103%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

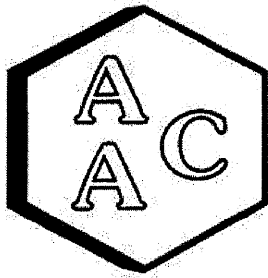
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### 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	232432-51623			232432-51624				
Date Sampled	11/21/2023				11/21/2023				
Date Analyzed	11/22/2023				11/22/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	6.07		1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	0.74		1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	44.3		1	5.00	103		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	35.2		1	2.00	63.6		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	16.8		1	2.00	23.9		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	8.18		1	2.00	14.1		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	8.27		1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	0.61		1	0.50	1.25		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	8.84		1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	6.02		1	0.50	0.50







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

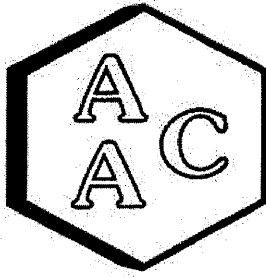
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### 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		232432-51623				232432-51624				
Date Sampled		11/21/2023				11/21/2023				
Date Analyzed		11/22/2023				11/22/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	10.2		1	0.50	12.6		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		103%				103%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

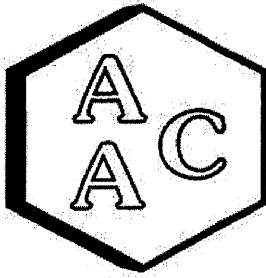
CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232432-51625				
<i>Date Sampled</i>		11/21/2023				
<i>Date Analyzed</i>		11/22/2023				
<i>Can Dilution Factor</i>		1.00				
<i>Compound</i>	Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	0.50	
Chloromethane	0.64		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	0.50	
Methanol	41.6		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	0.50	
Ethanol	42.6		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	0.50	
Acetone	16.2		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	9.25		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	0.50	
Ethyl Acetate	0.96		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232432  
 MATRIX : AIR  
 UNITS : PPB (v/v)

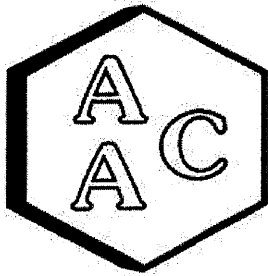
DATE RECEIVED : 11/21/2023  
 DATE REPORTED : 11/27/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-02		Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232432-51625			
<i>Date Sampled</i>		11/21/2023			
<i>Date Analyzed</i>		11/22/2023			
<i>Can Dilution Factor</i>		1.00			
<i>Compound</i>	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	0.50
Toluene	11.1		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		105%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/22/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MS1-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.86	105
Chlorodifluoromethane	10.40	12.23	118
Propene	10.60	11.78	111
Dichlorodifluoromethane	10.40	12.29	118
Dimethyl Ether	10.20	10.72	105
Chloromethane	10.40	11.70	113
Dichlorotetrafluoroethane	10.30	10.03	97
Vinyl Chloride	10.50	10.95	104
Acetaldehyde	21.10	22.70	108
Methanol	18.80	14.91	79
1,3-Butadiene	10.60	12.35	117
Bromomethane	10.40	9.76	94
Chloroethane	10.30	10.28	100
Dichlorofluoromethane	10.20	10.98	108
Ethanol	11.20	10.25	92
Vinyl Bromide	10.10	9.65	96
Acrolein	11.10	11.98	108
Acetone	10.60	10.08	95
Trichlorofluoromethane	10.50	11.67	111
2-Propanol (IPA)	11.00	11.71	106
Acrylonitrile	11.20	12.72	114
1,1-Dichloroethene	10.40	10.07	97
Methylene Chloride (DCM)	10.50	9.29	88
TertButanol (TBA)	11.10	13.46	121
Allyl Chloride	10.20	11.47	112
Carbon Disulfide	10.50	10.90	104
Trichlorotrifluoroethane	10.40	10.04	97
trans-1,2-Dichloroethene	10.60	10.98	104
1,1-Dichloroethane	10.50	11.48	109
Methyl Tert Butyl Ether (MTBE)	10.50	11.34	108
Vinyl Acetate	11.00	13.48	123
2-Butanone (MEK)	10.60	10.41	98
cis-1,2-Dichloroethene	10.50	10.79	103
Hexane	10.70	10.94	102
Chloroform	10.60	11.55	109
Ethyl Acetate	10.60	12.44	117
Tetrahydrofuran	10.20	10.19	100
1,2-Dichloroethane	10.50	12.85	122
1,1,1-Trichloroethane	10.40	12.09	116
Benzene	10.60	10.46	99
Carbon Tetrachloride	10.20	12.51	123
Cyclohexane	10.50	9.80	93

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
1,2-Dichloropropane	10.50	10.76	102	
Bromodichloromethane	10.40	12.22	118	
1,4-Dioxane	10.40	10.01	96	
Trichloroethene (TCE)	10.40	10.21	98	
2,2,4-Trimethylpentane	10.00	10.83	108	
Methyl Methacrylate	11.00	11.62	106	
Heptane	10.50	10.34	98	
cis-1,3-Dichloropropene	10.40	11.36	109	
4-Methyl-2-pentanone (MiBK)	10.40	11.28	108	
trans-1,3-Dichloropropene	10.50	12.22	116	
1,1,2-Trichloroethane	10.50	10.27	98	
Toluene	10.60	10.32	97	
2-Hexanone (MBK)	10.50	11.84	113	
Dibromochloromethane	10.30	11.96	116	
1,2-Dibromoethane	10.60	10.55	100	
Tetrachloroethene (PCE)	10.40	10.54	101	
Chlorobenzene	10.60	9.95	94	
Ethylbenzene	10.50	10.59	101	
m & p-Xylene	21.00	20.67	98	
Bromoform	10.50	12.46	119	
Styrene	10.50	10.73	102	
1,1,2,2-Tetrachloroethane	10.50	9.92	94	
o-Xylene	10.50	10.54	100	
1,2,3-Trichloropropane	11.00	11.49	104	
Isopropylbenzene (Cumene)	10.30	9.96	97	
α-Pinene	10.70	10.57	99	
2-Chlorotoluene	10.30	10.09	98	
n-Propylbenzene	10.10	9.82	97	
4-Ethyltoluene	10.30	10.16	99	
1,3,5-Trimethylbenzene	10.30	10.41	101	
β-Pinene	LR	11.00	2.57	23
1,2,4-Trimethylbenzene	10.30	10.20	99	
Benzyl Chloride (α-Chlorotoluene)	10.40	8.98	86	
1,3-Dichlorobenzene	10.40	10.37	100	
1,4-Dichlorobenzene	10.30	10.16	99	
Sec-ButylBenzene	10.10	9.86	98	
1,2-Dichlorobenzene	10.60	10.30	97	
n-ButylBenzene	10.20	10.22	100	
1,2-Dibromo-3-Chloropropane	10.10	10.15	100	
1,2,4-Trichlorobenzene	11.00	11.82	107	
Naphthalene	11.50	11.27	98	
Hexachlorobutadiene	11.00	11.64	106	

<sup>1</sup> Concentration of analyte compound in certified source standard.

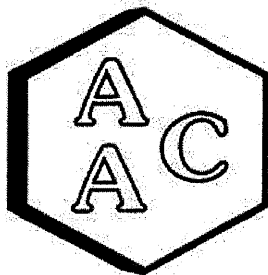
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/22/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

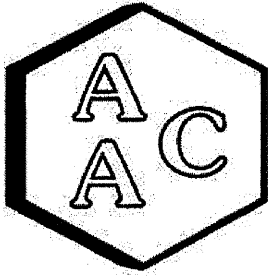
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.86	9.94	105	106	0.8
1,1-Dichloroethene	0.0	10.40	10.07	10.11	97	97	0.4
Methylene Chloride (DCM)	0.0	10.50	9.29	9.20	88	88	1.0
Benzene	0.0	10.60	10.46	10.56	99	100	1.0
Trichloroethene (TCE)	0.0	10.40	10.21	10.34	98	99	1.3
Toluene	0.0	10.60	10.32	10.51	97	99	1.8
Tetrachloroethene (PCE)	0.0	10.40	10.54	10.62	101	102	0.8
Chlorobenzene	0.0	10.60	9.95	9.78	94	92	1.7
Ethylbenzene	0.0	10.50	10.59	10.63	101	101	0.4
m & p-Xylene	0.0	21.00	20.67	20.97	98	100	1.4
o-Xylene	0.0	10.50	10.54	10.55	100	100	0.1

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 11/22/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

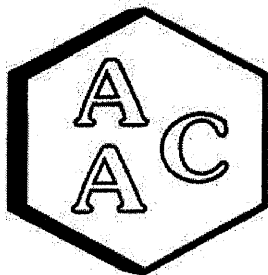
INSTRUMENT ID : GC/MS-04  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 112223	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	1.0
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 112223	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 : 11/22/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232292-50946

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.70	9.69	0.1
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	2.02	1.96	3.0
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	2.24	2.33	3.9
Chloromethane	0.97	0.85	13.2
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	6.94	6.48	6.9
Methanol	24.9	25.0	0.5
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol E	143	137	4.2
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	1.68	1.57	6.8
Acetone	13.5	13.6	1.2
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	5.19	4.95	4.7
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	3.18	3.08	3.2
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	0.81	0.80	1.2
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	1.96	1.85	5.8
Tetrahydrofuran	0.56	0.60	6.9
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 <sup>2</sup>
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)	1.66	1.67	0.6
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	1.77	1.68	5.2
2-Hexanone (MBK)	<SRL	<SRL	NA
Dibromochloromethane	<SRL	<SRL	NA
1,2-Dibromoethane	<SRL	<SRL	NA
Tetrachloroethene (PCE)	<SRL	<SRL	NA
Chlorobenzene	<SRL	<SRL	NA
Ethylbenzene	<SRL	<SRL	NA
m & p-Xylene J	0.61	0.66	7.9
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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> 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.



232432



**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@aacalab.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

**AAC Project No.:**  
**Sand Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
rhuff@scsengineers.com  
**Sand Invoice To (Name/Email/Address)**

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

**Sampler Name**  
Print: Ewald  
**Signature:** EW

**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-06	51609	11/21	1218	Adlar 1	307.91 SULFUR	<input type="checkbox"/> Yes <input type="checkbox"/> No
MS-07	51610		1113		TO-15 FULL LIST	
MS-08	51611		1146			
MS-09	51612		1158			
MS-10	51613		0854			
MS-11	51614		1139			
MS-12	51615		1254			
SCN	51616		0842			
5 End Union	51617		1130			
Chiquita Cap Rd	51618		1124			

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Ewald  
Signature: EW

**Received By**  
Print: [Signature]  
Signature: [Signature]

**Date** 11/21/21

**EDD?**  
 Yes  
 No



232432



**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

Send Report To (Name/Email/Address)

Project Manager Name  
PAUL SCHAFER

pschafer@scsengineers.com

Project Name  
CHIQUITA

rhuff@scsengineers.com

Project Number  
01204123.21 TASK 22

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: EVA LUM  
Signature: *ELM*

Client Sample Name

Sample ID

Sampling Date

Sampling Time

Container Type/Qty

Analysis Requested

MS-01

51619

11/21

1007

red cap

307.91 SULFUR

TO-15 FULL LIST

Yes

MS-02\*

51620

11/21

1039

red cap

307.91 SULFUR

TO-15 FULL LIST

Yes

MS-03

51621

11/21

1031

red cap

307.91 SULFUR

TO-15 FULL LIST

Yes

MS-04

51622

11/21

1037

red cap

307.91 SULFUR

TO-15 FULL LIST

Yes

MS-05

51623

11/21

1024

red cap

307.91 SULFUR

TO-15 FULL LIST

Yes

Wackon

51624

11/21

0950

red cap

307.91 SULFUR

TO-15 FULL LIST

Yes

MS-02

51625

11/21

1055

red cap

307.91 SULFUR

TO-15 FULL LIST

Yes

Client Notes/Special Instructions:

Were are 2 MS-02's differentiated by asterisks (\*)

Reinquished By

Print: *EVA LUM*

Signature: *ELM*

Date

11/21

Received By

Print: *EVA LUM*

Signature: *ELM*

Reinquished By

Print: *ELM*

Signature: *ELM*

Date

11/19

Received By

Print: *ELM*

Signature: *ELM*

Signature:

Time

Date

Time

Received By

Print: *ELM*

Signature: *ELM*

EDD?

Yes

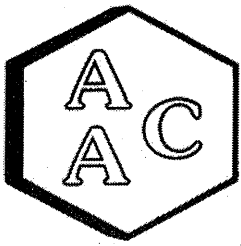
No

Date

Time

Date

Time



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita [ ON / OFF ]  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232432  
REPORT DATE : 11/27/2023

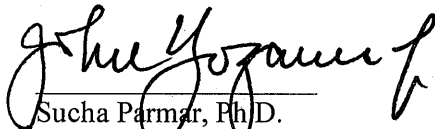
On November 21<sup>st</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
MS-06	232432-51609	Chiquita Cyn Rd	232432-51618
MS-07	232432-51610	MS-01	232432-51619
MS-08	232432-51611	MS-02*	232432-51620
MS-09	232432-51612	MS-03	232432-51621
MS-10	232432-51613	MS-04	232432-51622
MS-12	232432-51614	MS-05	232432-51623
MS-11	232432-51615	Reaction	232432-51624
SCV	232432-51616	MS-02	232432-51625
S End Lincoln	232432-51617		

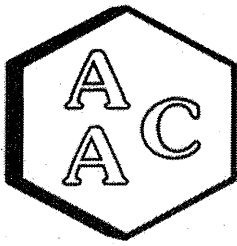
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aacalab.com](http://www.aacalab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232432  
**MATRIX :** AIR  
**UNITS :** ppmv

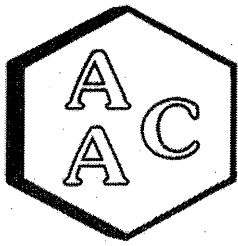
**SAMPLING DATE :** 11/21/2023  
**RECEIVING DATE :** 11/21/2023  
**ANALYSIS DATE :** 11/22/2023  
**REPORT DATE :** 11/27/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-12
AAC ID	232432-51609	232432-51610	232432-51611	232432-51612	232432-51613	232432-51614
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S

Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232432  
**MATRIX :** AIR  
**UNITS :** ppmv

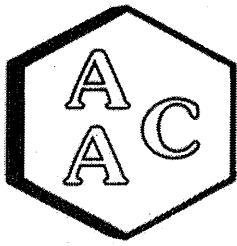
**SAMPLING DATE :** 11/21/2023  
**RECEIVING DATE :** 11/21/2023  
**ANALYSIS DATE :** 11/22/2023  
**REPORT DATE :** 11/27/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-11	SCV	S End Lincoln	Chiquita Cyn Rd	MS-01	MS-02*
AAC ID	232432-51615	232432-51616	232432-51617	232432-51618	232432-51619	232432-51620
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S

Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232432  
**MATRIX :** AIR  
**UNITS :** ppmv

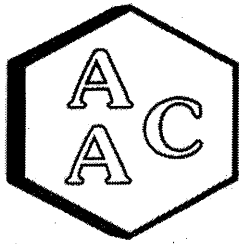
**SAMPLING DATE :** 11/21/2023  
**RECEIVING DATE :** 11/21/2023  
**ANALYSIS DATE :** 11/22/2023  
**REPORT DATE :** 11/27/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	MS-02
AAC ID	232432-51621	232432-51622	232432-51623	232432-51624	232432-51625
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S

Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/22/2023  
 Analyst: CM/KM  
 Units: ppmV

Instrument ID : SCD-BTU  
 Calb. Date : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	908	0.522	104.5	2.2
Duplicate	897	0.516	103.3	1.0
Triplicate	860	0.495	99.0	3.2

*0.548 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	911	0.554	101.1	0.7
Duplicate	937	0.570	104.0	2.2
Triplicate	904	0.549	100.3	1.5

*0.479 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	886	0.488	101.9	2.1
Duplicate	863	0.476	99.3	0.5
Triplicate	853	0.470	98.1	1.7

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

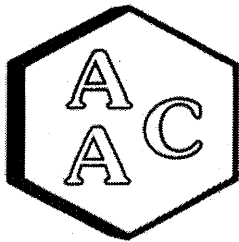
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.261	0.265	104.5	106.1	1.5
MeSH	<PQL	0.274	0.291	0.297	106.3	108.5	2.0
DMS	<PQL	0.240	0.251	0.261	104.8	109.0	3.9

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.481	96.3
MeSH	0.548	0.534	97.5
DMS	0.479	0.483	100.8

\* 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



# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/22/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SS1289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1902	516	103.2	1.1
Duplicate	1883	511	102.2	0.1
Triplicate	1859	504	100.9	1.2

547.5 ppbV H<sub>2</sub>S (SS1289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2355	546	99.7	1.9
Duplicate	2254	523	95.5	2.5
Triplicate	2323	539	98.4	0.5

479.0 ppbV H<sub>2</sub>S (SS1289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2517	476	99.3	1.4
Duplicate	2503	473	98.8	2.0
Triplicate	2641	499	104.2	3.4

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	264.1	254.3	105.7	101.8	3.8
MeSH	<PQL	273.8	264.0	268.4	96.4	98.0	1.7
DMS	<PQL	239.5	254.2	250.2	106.1	104.5	1.6

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	523.8	104.8
MeSH	547.5	560.0	102.3
DMS	479.0	502.4	104.9

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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

232432



**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@aacab.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: *EWLW*  
Signature: *EWLW*

**Client Sample Name**

**Sample ID**    **Sampling Date**    **Sampling Time**    **Container Type/Qty**

MS-06	51609	11/21	1218	Welded
MS-07	51610		1113	
MS-08	51611		1146	
MS-09	51612		1158	
MS-10	51613		0854	
MS-11	51614		1139	
MS-12	51615		054	
SCN	51616		0842	
5 End Wagon	51617		1130	
Chiquita Cop Rd	51618		1124	

**Client Notes/Special Instructions:**

307.91 SULFUR  
TO-15 FULL LIST

**Analysis Requested**

**EDD?**  
 Yes  
 No

**Relinquished By**  
Print: *EWLW*  
Signature: *EWLW*  
**Relinquished By**  
Print: \_\_\_\_\_  
Signature: \_\_\_\_\_

**Received By**  
Print: \_\_\_\_\_  
Signature: \_\_\_\_\_  
**Date**  
Date: 11/21/21  
Time: 1324

**Date**  
Date: 11/21/21  
Time: 1659

**AAC Project No.:** \_\_\_\_\_  
**Send Report To (Name/Email/Address):** pschafer@scsengineers.com  
 rhuff@scsengineers.com  
**Send Invoice To (Name/Email/Address):** \_\_\_\_\_  
**PO Number:** \_\_\_\_\_

**LAB ONLY**  
 Sample Received  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Sampler: \_\_\_\_\_  
 Analytical Method: \_\_\_\_\_  
 ID: \_\_\_\_\_  
 Other Comments: \_\_\_\_\_  
 Analyst: \_\_\_\_\_  
 Reviewer: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Signature: \_\_\_\_\_



232432



**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@aacab.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

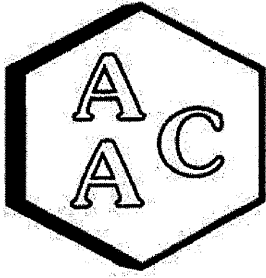
<b>Client/Company Name</b> SCS ENGINEERS Project Manager Name PAUL SCHAFER	<b>Project Name</b> CHIQUITA <b>Project Number</b> 01204123.21 TASK 22	ON / OFF ] Signature: <i>[Signature]</i>	<b>AAC Project No.:</b> Send Report To (Name/Email/Address) pschaffer@scsengineers.com rhuff@scsengineers.com
---	---	---	--

<b>Turnaround Time</b> <input type="checkbox"/> Rush 24 h <input type="checkbox"/> Same Day <input type="checkbox"/> Rush 48 h <input type="checkbox"/> 5 Days <input checked="" type="checkbox"/> Rush 72 h <input type="checkbox"/> Normal	<b>Sampler Name</b> Print: EVA WMM Signature: <i>[Signature]</i>	<b>PO Number</b> Send Invoice To (Name/Email/Address)
---	--	--

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	Analysis Requested	EDD?	LAB USE ONLY
MS-01	51619	11/21	1007	✓	✓	✓			
MS-02*	51620		1039	✓	✓	✓			
MS-03	51621		1031	✓	✓	✓			
MS-04	51622		0937	✓	✓	✓			
MS-05	51623		1024	✓	✓	✓			
Blackton	51624		0950	✓	✓	✓			
Blackton	51625		1055	✓	✓	✓			

**Client Notes/Special Instructions:**  
 There are 2 MS-02's differentiated by asterisks (\*)

<b>Relinquished By</b> Print: <i>[Signature]</i> Signature: <i>[Signature]</i>	Date: 11/21 Time: 1819	<b>Received By</b> Print: <i>[Signature]</i> Signature: <i>[Signature]</i>	Date: <i>[Signature]</i> Time: 1659
--	---------------------------	--	--



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita ON/OFF  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232466  
REPORT DATE : 11/30/2023

On November 28, 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) 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:

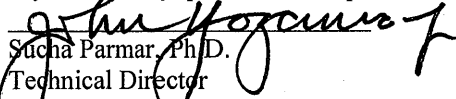
Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	232466-51802	708.0	SCV	232466-51810	712.0
MS-07	232466-51803	704.5	MS-01	232466-51811	712.0
MS-08	232466-51804	703.0	MS-02	232466-51812	717.0
MS-09	232466-51805	707.5	MS-03	232466-51813	712.5
MS-10	232466-51806	713.5	MS-04	232466-51814	703.0
MS-12	232466-51807	705.0	MS-05	232466-51815	724.5
Chiquito Cyn Rd	232466-51808	720.0	Reaction	232466-51816	705.0
S End Lincoln	232466-51809	711.0	Working Face	232466-51817	714.5

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples.

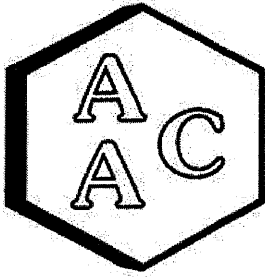
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 23 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

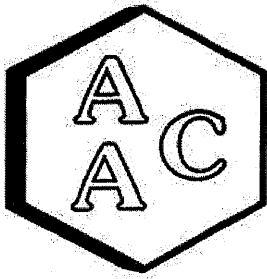
CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 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		232466-51802				232466-51803				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.47			1.46					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Propene	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Methanol	<SRL	U	1	7.33	<SRL	U	1	7.28	5.00	
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Bromomethane	<SRL	U	1	2.00	<SRL	U	1	0.73	0.50	
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Ethanol	<SRL	U	1	2.93	<SRL	U	1	2.91	2.00	
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Acetone	<SRL	U	1	2.93	<SRL	U	1	2.91	2.00	
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.91	2.00	
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00	
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00	
Carbon Disulfide	<SRL	U	1	2.93	<SRL	U	1	2.91	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Vinyl Acetate	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00	
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

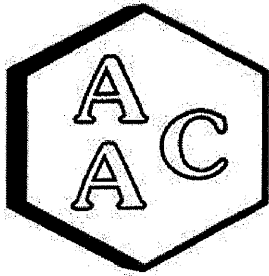
DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### 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		232466-51802				232466-51803				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.47				1.46				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00	
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.46	1.00	
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
BFB-Surrogate Std. % Recovery		97%				103%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

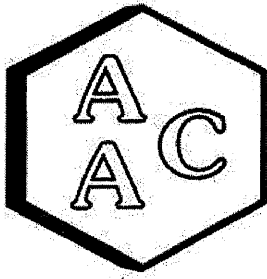
CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 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		232466-51804				232466-51805				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
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	0.73	0.50	
Propene	<SRL	U	1	1.47	<SRL	U	1	1.45	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	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	7.34	<SRL	U	1	7.25	5.00	
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Ethanol	<SRL	U	1	2.93	<SRL	U	1	2.90	2.00	
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Acetone	<SRL	U	1	2.93	3.00		1	2.90	2.00	
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
2-Propanol (IPA)	<SRL	U	1	2.93	<SRL	U	1	2.90	2.00	
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.47	<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	2.93	<SRL	U	1	2.90	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Vinyl Acetate	<SRL	U	1	1.47	<SRL	U	1	1.45	1.00	
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	0.73	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 : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

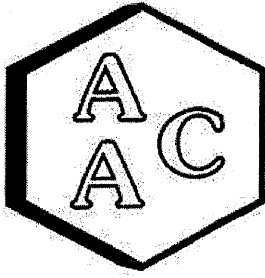
DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### 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		232466-51804				232466-51805				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.47			1.45					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.45	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Toluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.45	1.00	
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.45	1.00	
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.73	0.50	
BFB-Surrogate Std. % Recovery			102%				102%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

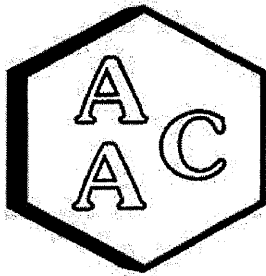
CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232466-51806				232466-51807				
<i>Date Sampled</i>		11/28/2023				11/28/2023				
<i>Date Analyzed</i>		11/29/2023				11/29/2023				
<i>Can Dilution Factor</i>		1.46			1.47					
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Propene	<SRL	U	1	1.46	<SRL	U	1	1.47	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Methanol	<SRL	U	1	7.31	<SRL	U	1	7.36	5.00	
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Ethanol	<SRL	U	1	2.92	<SRL	U	1	2.94	2.00	
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Acetone	<SRL	U	1	2.92	2.94		1	2.94	2.00	
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
2-Propanol (IPA)	<SRL	U	1	2.92	<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	2.92	<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	1.46	<SRL	U	1	1.47	1.00	
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	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

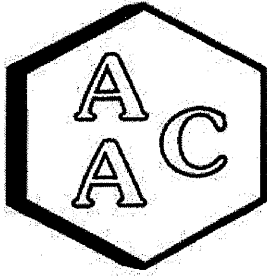
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51806				232466-51807				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
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			98%				100%		70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

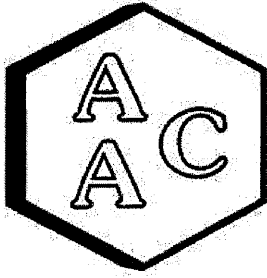
CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 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		232466-51808				232466-51809				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.43			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	1.43	<SRL	U	1	1.45	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Chloromethane	0.83		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	7.17	<SRL	U	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	8.70		1	2.87	<SRL	U	1	2.89	2.00	
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Acetone	3.50		1	2.87	<SRL	U	1	2.89	2.00	
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
2-Propanol (IPA)	<SRL	U	1	2.87	<SRL	U	1	2.89	2.00	
Acrylonitrile	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
1,1-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.43	<SRL	U	1	1.45	1.00	
Allyl Chloride	<SRL	U	1	1.43	<SRL	U	1	1.45	1.00	
Carbon Disulfide	<SRL	U	1	2.87	<SRL	U	1	2.89	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
1,1-Dichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Vinyl Acetate	<SRL	U	1	1.43	<SRL	U	1	1.45	1.00	
2-Butanone (MEK)	<SRL	U	1	1.43	<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	0.85		1	0.72	<SRL	U	1	0.72	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

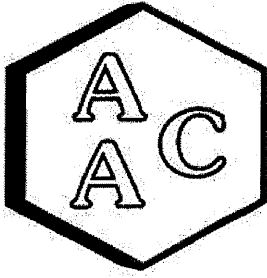
DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### 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		232466-51808				232466-51809				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.43			1.45					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Cyclohexane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
1,2-Dichloropropane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Bromodichloromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
1,4-Dioxane	<SRL	U	1	1.43	<SRL	U	1	1.45	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Heptane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Toluene	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.43	<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	1.43	<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		100%				101%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

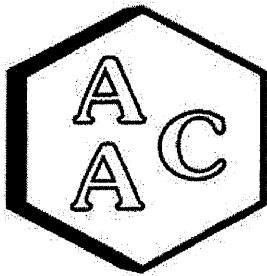
CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51810				232466-51811				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
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	0.86		1	0.72	<SRL	U	1	0.72	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Vinyl Chloride	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Methanol	<SRL	U	1	7.21	<SRL	U	1	7.22	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	2.89	2.00	
Vinyl Bromide	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
Acetone	4.35		1	2.88	<SRL	U	1	2.89	2.00	
Trichlorofluoromethane	<SRL	U	1	0.72	<SRL	U	1	0.72	0.50	
2-Propanol (IPA)	<SRL	U	1	2.88	<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	1.44	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	2.89	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	1.44	<SRL	U	1	1.44	1.00	
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 : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

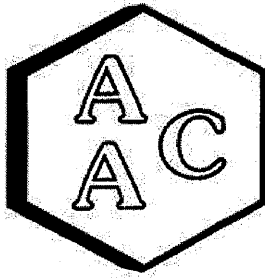
DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		SCV			Sample Reporting Limit (SRL) (MRLxDF's)	MS-01			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51810				232466-51811				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.44				1.44				
Compound	Result	Qualifier	Analysis DF	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		101%				101%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

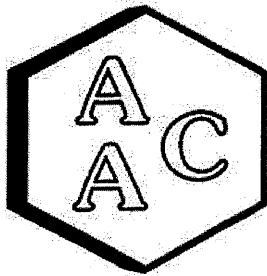
CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232466-51812				232466-51813				
<i>Date Sampled</i>		11/28/2023				11/28/2023				
<i>Date Analyzed</i>		11/29/2023				11/29/2023				
<i>Can Dilution Factor</i>		1.42			1.45					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Propene	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Methanol	<SRL	U	1	7.10	<SRL	U	1	7.26	5.00	
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Ethanol	<SRL	U	1	2.84	<SRL	U	1	2.91	2.00	
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Acetone	<SRL	U	1	2.84	<SRL	U	1	2.91	2.00	
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
2-Propanol (IPA)	<SRL	U	1	2.84	<SRL	U	1	2.91	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	1.42	<SRL	U	1	1.45	1.00	
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00	
Carbon Disulfide	<SRL	U	1	2.84	<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	1.42	<SRL	U	1	1.45	1.00	
2-Butanone (MEK)	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

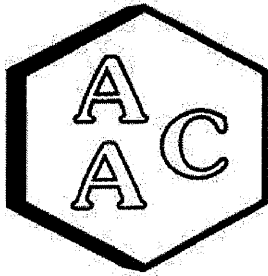
DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-02			Sample Reporting Limit (SRL) (MRLxDF's)	MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51812				232466-51813				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.42				1.45				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Carbon Tetrachloride	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00	
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
m & p-Xylene	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00	
Bromoform	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.73	0.50	
BFB-Surrogate Std. % Recovery		103%				100%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

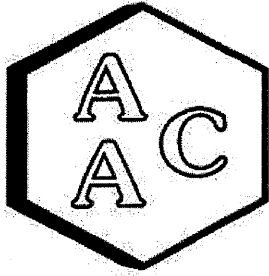
CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51814				232466-51815				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.47			1.41					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Propene	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Chloromethane	0.75	U	1	0.73	<SRL	U	1	0.70	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Methanol	<SRL	U	1	7.35	<SRL	U	1	7.04	5.00	
1,3-Butadiene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Bromomethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Chloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Dichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Ethanol	11.0	U	1	2.94	<SRL	U	1	2.82	2.00	
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Acetone	<SRL	U	1	2.94	<SRL	U	1	2.82	2.00	
Trichlorofluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
2-Propanol (IPA)	<SRL	U	1	2.94	<SRL	U	1	2.82	2.00	
Acrylonitrile	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,1-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00	
Allyl Chloride	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00	
Carbon Disulfide	<SRL	U	1	2.94	<SRL	U	1	2.82	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,1-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Vinyl Acetate	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00	
2-Butanone (MEK)	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Hexane	0.76	U	1	0.73	<SRL	U	1	0.70	0.50	
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Ethyl Acetate	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Tetrahydrofuran	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,2-Dichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Benzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

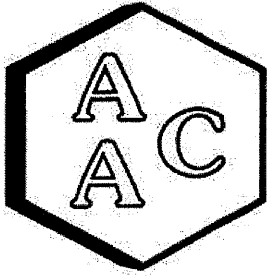
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51814				232466-51815				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.47			1.41					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,4-Dioxane	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Toluene	0.75		1	0.73	<SRL	U	1	0.70	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00	
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Ethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
m & p-Xylene	<SRL	U	1	1.47	<SRL	U	1	1.41	1.00	
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
o-Xylene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
4-Ethyltoluene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
Hexachlorobutadiene	<SRL	U	1	0.73	<SRL	U	1	0.70	0.50	
BFB-Surrogate Std. % Recovery		101%				101%			70-130%	

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







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

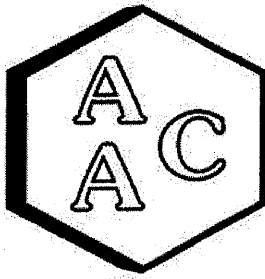
CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51816				232466-51817				
Date Sampled		11/28/2023				11/28/2023				
Date Analyzed		11/29/2023				11/29/2023				
Can Dilution Factor		1.46			1.49					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Chlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Propene	11.4		1	1.46	<SRL	U	1	1.49	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Chloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Vinyl Chloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Methanol	209		1	7.30	13.1		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	90.4		1	2.92	9.94		1	2.97	2.00	
Vinyl Bromide	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Acetone	50.9		1	2.92	3.39		1	2.97	2.00	
Trichlorofluoromethane	<SRL	U	1	0.73	1.11		1	0.74	0.50	
2-Propanol (IPA)	25.7		1	2.92	<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	1.46	<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	2.97	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	1.46	<SRL	U	1	1.49	1.00	
2-Butanone (MEK)	32.9		1	1.46	<SRL	U	1	1.49	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Hexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Chloroform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Ethyl Acetate	2.72		1	0.73	<SRL	U	1	0.74	0.50	
Tetrahydrofuran	45.7		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	30.5		1	0.73	<SRL	U	1	0.74	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232466  
 MATRIX : AIR  
 UNITS : PPB (v/v)

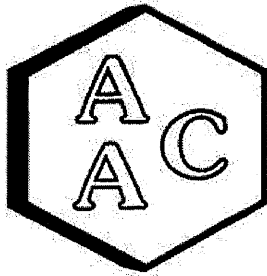
DATE RECEIVED : 11/28/2023  
 DATE REPORTED : 11/30/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Working Face			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232466-51816				232466-51817				
Date Sampled		11/28/2023			11/28/2023					
Date Analyzed		11/29/2023			11/29/2023					
Can Dilution Factor		1.46			1.49					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Cyclohexane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
1,2-Dichloropropane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Bromodichloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
1,4-Dioxane	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Heptane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
4-Methyl-2-pentanone (MIBK)	1.77		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	3.67		1	0.73	<SRL	U	1	0.74	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.46	<SRL	U	1	1.49	1.00	
Dibromochloromethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
1,2-Dibromoethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Chlorobenzene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Ethylbenzene	2.02		1	0.73	<SRL	U	1	0.74	0.50	
m & p-Xylene	2.50		1	1.46	<SRL	U	1	1.49	1.00	
Bromoform	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
Styrene	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.73	<SRL	U	1	0.74	0.50	
o-Xylene	0.99		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		103%				103%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/29/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 CALIBRATION STD ID : MS1-051523-01  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 09/26/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.84	105
Chlorodifluoromethane	10.40	11.71	113
Propene	10.60	10.60	100
Dichlorodifluoromethane	10.40	12.28	118
Dimethyl Ether	10.20	9.97	98
Chloromethane	10.40	10.46	101
Dichlorotetrafluoroethane	10.30	10.06	98
Vinyl Chloride	10.50	10.33	98
Acetaldehyde	21.10	20.91	99
Methanol	18.80	15.36	82
1,3-Butadiene	10.60	12.62	119
Bromomethane	10.40	9.36	90
Chloroethane	10.30	10.19	99
Dichlorofluoromethane	10.20	10.71	105
Ethanol	11.20	10.30	92
Vinyl Bromide	10.10	9.51	94
Acrolein	11.10	11.34	102
Acetone	10.60	10.06	95
Trichlorofluoromethane	10.50	11.80	112
2-Propanol (IPA)	11.00	11.71	106
Acrylonitrile	11.20	12.10	108
1,1-Dichloroethene	10.40	9.71	93
Methylene Chloride (DCM)	10.50	9.07	86
TertButanol (TBA)	11.10	13.29	120
Allyl Chloride	10.20	10.86	106
Carbon Disulfide	10.50	10.10	96
Trichlorotrifluoroethane	10.40	9.67	93
trans-1,2-Dichloroethene	10.60	10.64	100
1,1-Dichloroethane	10.50	11.19	107
Methyl Tert Butyl Ether (MTBE)	10.50	12.28	117
Vinyl Acetate	11.00	12.94	118
2-Butanone (MEK)	10.60	10.45	99
cis-1,2-Dichloroethene	10.50	10.38	99
Hexane	10.70	10.73	100
Chloroform	10.60	11.27	106
Ethyl Acetate	10.60	12.02	113
Tetrahydrofuran	10.20	10.26	101
1,2-Dichloroethane	10.50	12.98	124
1,1,1-Trichloroethane	10.40	12.41	119
Benzene	10.60	10.00	94
Carbon Tetrachloride	10.20	12.53	123
Cyclohexane	10.50	9.17	87

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.50	10.04	96
Bromodichloromethane	10.40	11.79	113
1,4-Dioxane	10.40	10.20	98
Trichloroethene (TCE)	10.40	10.05	97
2,2,4-Trimethylpentane	10.00	9.90	99
Methyl Methacrylate	11.00	10.98	100
Heptane	10.50	9.59	91
cis-1,3-Dichloropropene	10.40	10.89	105
4-Methyl-2-pentanone (MiBK)	10.40	10.71	103
trans-1,3-Dichloropropene	10.50	11.65	111
1,1,2-Trichloroethane	10.50	10.06	96
Toluene	10.60	9.99	94
2-Hexanone (MBK)	10.50	11.03	105
Dibromochloromethane	10.30	11.52	112
1,2-Dibromoethane	10.60	10.32	97
Tetrachloroethene (PCE)	10.40	10.42	100
Chlorobenzene	10.60	9.32	88
Ethylbenzene	10.50	9.96	95
m & p-Xylene	21.00	19.90	95
Bromoform	10.50	12.03	115
Styrene	10.50	10.23	97
1,1,2,2-Tetrachloroethane	10.50	9.20	88
o-Xylene	10.50	10.02	95
1,2,3-Trichloropropane	11.00	11.13	101
Isopropylbenzene (Cumene)	10.30	9.56	93
α-Pinene	10.70	10.48	98
2-Chlorotoluene	10.30	9.80	95
n-Propylbenzene	10.10	9.51	94
4-Ethyltoluene	10.30	9.63	93
1,3,5-Trimethylbenzene	10.30	9.99	97
β-Pinene	LR	3.39	31
1,2,4-Trimethylbenzene	10.30	9.64	94
Benzyl Chloride (a-Chlorotoluene)	10.40	8.84	85
1,3-Dichlorobenzene	10.40	10.03	96
1,4-Dichlorobenzene	10.30	9.61	93
Sec-ButylBenzene	10.10	9.32	92
1,2-Dichlorobenzene	10.60	9.72	92
n-ButylBenzene	10.20	9.69	95
1,2-Dibromo-3-Chloropropane	10.10	9.74	96
1,2,4-Trichlorobenzene	11.00	10.66	97
Naphthalene	11.50	10.37	90
Hexachlorobutadiene	11.00	10.61	96

<sup>1</sup> Concentration of analyte compound in certified source standard.

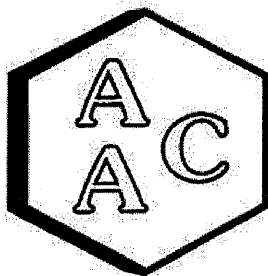
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/29/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-051523-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

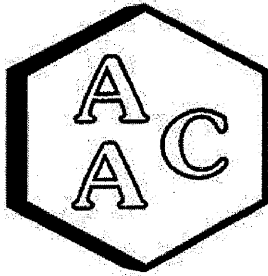
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.84	9.83	105	105	0.1
1,1-Dichloroethene	0.0	10.40	9.71	9.10	93	88	6.5
Methylene Chloride (DCM)	0.0	10.50	9.07	8.97	86	85	1.1
Benzene	0.0	10.60	10.00	9.98	94	94	0.2
Trichloroethene (TCE)	0.0	10.40	10.05	9.93	97	95	1.2
Toluene	0.0	10.60	9.99	9.92	94	94	0.7
Tetrachloroethene (PCE)	0.0	10.40	10.42	10.54	100	101	1.1
Chlorobenzene	0.0	10.60	9.32	9.60	88	91	3.0
Ethylbenzene	0.0	10.50	9.96	10.01	95	95	0.5
m & p-Xylene	0.0	21.00	19.90	19.87	95	95	0.2
o-Xylene	0.0	10.50	10.02	10.11	95	96	0.9

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

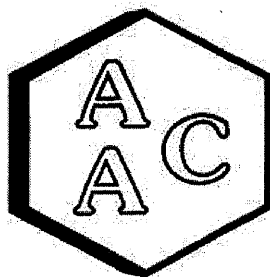
ANALYSIS DATE : 11/29/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 112923	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 112923	Reporting Limit (RL)
4-BFB (surrogate standard)	100%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	1.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MiBK)	<RL	0.5
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	0.5	2-Hexanone (MBK)	<RL	1.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	1.0	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	0.5
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	1.0	β-Pinene	<RL	0.5
2-Butanone (MEK)	<RL	1.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-ButylBenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-ButylBenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	0.5
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 11/29/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1.45

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232466-51805

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.55	9.48	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	J 2.73	2.67	2.2
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	3.00	2.86	5.0
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	<SRL	<SRL	NA
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	<SRL	<SRL	NA
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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 (α-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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

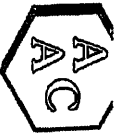
<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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



232 266



**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@aadlab.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

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
rhuff@scsengineers.com

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

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	Analysis Requested
MS-06	51802	11/28	1259	Summa 1	X	X	
MS-07	51803		1126		X	X	
MS-08	51804		1207		X	X	
MS-09	51805		1218		X	X	
MS-10	51806		1242		X	X	
MS-12	51807		1159		X	X	
Chiquita Cyn Rd	51808		1142		X	X	
5 End Lincoln	51809		1151		X	X	
SCV	51810		1227		X	X	

**Client Notes/Special Instructions:**

**EDD?**  
 Yes  
 No

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*  
Date: 11/28  
Time: 1533

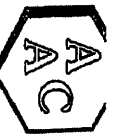
**Received By**  
Print: *Hunter Brewer*  
Signature: *Hunter Brewer*  
Date: 11/29/25  
Time: 1537

**Relinquished By**  
Print: *Paul Schaffer*  
Signature: *Paul Schaffer*  
Date:   
Time:   
**Signature:**

**LAB USE ONLY**

Sample Received: \_\_\_\_\_  
Sample ID: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Prepared By: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Total Count: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Printed By: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

232466



**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**  
CHIOUITA [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: *Armando Hurtado*  
Signature: *Paul Schaffer*

Send Invoice To (Name/Email/Address)

**Client Sample Name**

MS-01  
MS-02  
MS-03  
MS-04  
MS-05  
Reaction  
Working Face

**Sample ID**

51811  
51812  
51813  
51814  
51815  
51816  
51817

**Sampling Date**

11/28  
↓  
↓  
↓  
↓  
↓  
↓

**Sampling Time**

0953  
1051  
1309  
1013  
0936  
1030  
1105

**Container Type/Qty**

Samms 1  
↓  
↓  
↓  
↓  
↓  
↓

307.91 SULFUR

TO-15 FULL LIST

**Client Notes/Special Instructions:**

EDD?  
 Yes  
 No

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Paul Schaffer*

Date 11/28  
Time 1533

**Received By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

Date 11/29/23  
Time 1535

**Relinquished By**  
Print:  
Signature:

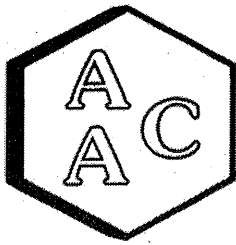
Date  
Time

**Received By**  
Print:  
Signature:

Date  
Time

*D/O- 17x cons (1x v noead)*





## Atmospheric Analysis & Consulting, Inc.

---

CLIENT : SCS Engineers  
PROJECT NAME : CHIQUITA [ ON / OFF ]  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232466  
REPORT DATE : 11/30/2023

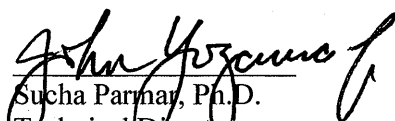
On November 28<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received sixteen (16) Six-Liter Silonite Canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
MS-06	232466-51802	SCV	232466-51810
MS-07	232466-51803	MS-01	232466-51811
MS-08	232466-51804	MS-02	232466-51812
MS-09	232466-51805	MS-03	232466-51813
MS-10	232466-51806	MS-04	232466-51814
MS-12	232466-51807	MS-05	232466-51815
Chiquito Cyn Rd	232466-51808	Reaction	232466-51816
S End Lincoln	232466-51809	Working Face	232466-51817

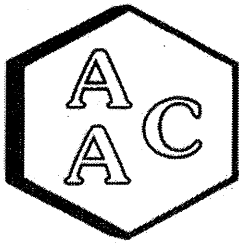
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

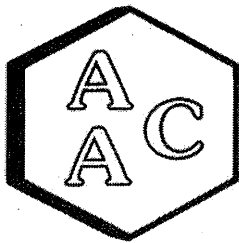
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232466  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 11/28/2023  
**RECEIVING DATE :** 11/28/2023  
**ANALYSIS DATE :** 11/29/2023  
**REPORT DATE :** 11/30/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-12
AAC ID	232466-51802	232466-51803	232466-51804	232466-51805	232466-51806	232466-51807
Canister Dil. Fac.	1.5	1.5	1.5	1.5	1.5	1.5
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
COS / SO2	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Methyl Mercaptan	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Ethyl Mercaptan	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Dimethyl Sulfide	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Carbon Disulfide	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Isopropyl Mercaptan	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
tert-Butyl Mercaptan	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
n-Propyl Mercaptan	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Methylethylsulfide	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
sec-Butyl Mercaptan / Thiophene	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
iso-Butyl Mercaptan	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Diethyl Sulfide	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
n-Butyl Mercaptan	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Dimethyl Disulfide	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
2-Methylthiophene	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
3-Methylthiophene	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Tetrahydrothiophene	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Bromothiophene	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Thiophenol	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Diethyl Disulfide	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Total Unidentified Sulfur	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Total Reduced Sulfurs	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

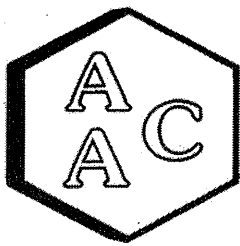
CLIENT : SCS Engineers  
 PROJECT NO. : 232466  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 11/28/2023  
 RECEIVING DATE : 11/28/2023  
 ANALYSIS DATE : 11/29/2023  
 REPORT DATE : 11/30/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	Chiquito Cyn Rd	S End Lincoln	SCV	MS-01	MS-02	MS-03
AAC ID	232466-51808	232466-51809	232466-51810	232466-51811	232466-51812	232466-51813
Canister Dil. Fac.	1.4	1.4	1.4	1.4	1.4	1.5
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
COS / SO2	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Methyl Mercaptan	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Ethyl Mercaptan	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Dimethyl Sulfide	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Carbon Disulfide	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Isopropyl Mercaptan	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
tert-Butyl Mercaptan	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
n-Propyl Mercaptan	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Methylethylsulfide	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
sec-Butyl Mercaptan / Thiophene	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
iso-Butyl Mercaptan	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Diethyl Sulfide	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
n-Butyl Mercaptan	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Dimethyl Disulfide	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
2-Methylthiophene	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
3-Methylthiophene	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Tetrahydrothiophene	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Bromothiophene	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Thiophenol	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Diethyl Disulfide	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Total Unidentified Sulfur	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Total Reduced Sulfurs	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

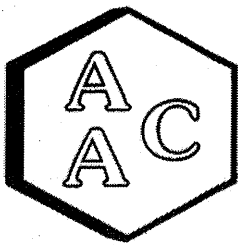
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232466  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 11/28/2023  
**RECEIVING DATE :** 11/28/2023  
**ANALYSIS DATE :** 11/29/2023  
**REPORT DATE :** 11/30/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-04	MS-05	Reaction	Working Face
AAC ID	232466-51814	232466-51815	232466-51816	232466-51817
Canister Dil. Fac.	1.5	1.4	1.5	1.5
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.015	< 0.014	< 0.015	< 0.015
COS / SO2	< 0.015	< 0.014	< 0.015	< 0.015
Methyl Mercaptan	< 0.015	< 0.014	< 0.015	< 0.015
Ethyl Mercaptan	< 0.015	< 0.014	< 0.015	< 0.015
Dimethyl Sulfide	< 0.015	< 0.014	< 0.015	< 0.015
Carbon Disulfide	< 0.015	< 0.014	< 0.015	< 0.015
Isopropyl Mercaptan	< 0.015	< 0.014	< 0.015	< 0.015
tert-Butyl Mercaptan	< 0.015	< 0.014	< 0.015	< 0.015
n-Propyl Mercaptan	< 0.015	< 0.014	< 0.015	< 0.015
Methylethylsulfide	< 0.015	< 0.014	< 0.015	< 0.015
sec-Butyl Mercaptan / Thiophene	< 0.015	< 0.014	< 0.015	< 0.015
iso-Butyl Mercaptan	< 0.015	< 0.014	< 0.015	< 0.015
Diethyl Sulfide	< 0.015	< 0.014	< 0.015	< 0.015
n-Butyl Mercaptan	< 0.015	< 0.014	< 0.015	< 0.015
Dimethyl Disulfide	< 0.015	< 0.014	< 0.015	< 0.015
2-Methylthiophene	< 0.015	< 0.014	< 0.015	< 0.015
3-Methylthiophene	< 0.015	< 0.014	< 0.015	< 0.015
Tetrahydrothiophene	< 0.015	< 0.014	< 0.015	< 0.015
Bromothiophene	< 0.015	< 0.014	< 0.015	< 0.015
Thiophenol	< 0.015	< 0.014	< 0.015	< 0.015
Diethyl Disulfide	< 0.015	< 0.014	< 0.015	< 0.015
Total Unidentified Sulfur	< 0.015	< 0.014	< 0.015	< 0.015
Total Reduced Sulfurs	< 0.015	< 0.014	< 0.015	< 0.015

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/29/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date : 07/11/2022

### Opening Calibration Verification Standard

499.8 ppbV H<sub>2</sub>S (SSI289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1786	484	96.9	0.7
Duplicate	1759	477	95.5	2.2
Triplicate	1850	502	100.4	2.9

547.5 ppbV H<sub>2</sub>S (SSI289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2282	529	96.7	0.1
Duplicate	2324	539	98.4	1.7
Triplicate	2249	522	95.3	1.6

479.0 ppbV H<sub>2</sub>S (SSI289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2482	469	98.0	1.9
Duplicate	2559	484	101.0	1.2
Triplicate	2546	481	100.5	0.7

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

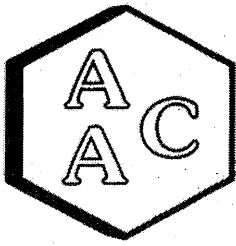
Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	261.3	258.2	104.6	103.3	1.2
MeSH	<PQL	273.8	288.1	284.8	105.2	104.0	1.2
DMS	<PQL	239.5	244.1	236.9	101.9	98.9	3.0

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	533.9	106.8
MeSH	547.5	520.5	95.1
DMS	479.0	451.7	94.3

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 11/29/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	877	0.504	100.9	1.5
Duplicate	861	0.495	99.1	0.4
Triplicate	853	0.491	98.2	1.2

*0.548 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	897	0.545	99.6	0.7
Duplicate	894	0.543	99.2	1.1
Triplicate	920	0.559	102.1	1.8

*0.479 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	856	0.472	98.5	0.6
Duplicate	877	0.484	101.0	1.9
Triplicate	850	0.469	97.8	1.3

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.272	0.266	108.9	106.5	2.2
MeSH	<PQL	0.274	0.275	0.274	100.5	100.1	0.4
DMS	<PQL	0.240	0.263	0.249	109.8	104.0	5.5

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.510	102.1
MeSH	0.548	0.586	107.0
DMS	0.479	0.462	96.5

\* 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

232 266



**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 I ON (OPF)  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**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: *Arnando Hurtado*  
Signature: *Arnando Hurtado*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	Analysis Requested	LAB USE ONLY
MS-06	51802	11/28	1259	307.91 m <sup>3</sup> 1	X	X		LAB USE ONLY
MS-07	51803		1126		X	X		LAB USE ONLY
MS-08	51804		1207		X	X		LAB USE ONLY
MS-09	51805		1218		X	X		LAB USE ONLY
MS-10	51806		1242		X	X		LAB USE ONLY
MS-12	51807		1159		X	X		LAB USE ONLY
Chiquito Cyn Rd	51808		1142		X	X		LAB USE ONLY
5 End Lincoln	51809		1151		X	X		LAB USE ONLY
SCV	51810		1227		X	X		LAB USE ONLY

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Arnando Hurtado*  
Signature: *Arnando Hurtado*

**Relinquished By**  
Print: *Paul Schaffer*  
Signature: *Paul Schaffer*

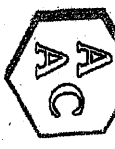
**Date** 11/28  
**Time** 1533

**Received By**  
Print: *Paul Schaffer*  
Signature: *Paul Schaffer*

**Date** 11/29/25  
**Time** 1537

**EDD?**  
 Yes  
 No

232466



**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

<b>Client/Company Name</b> SCS ENGINEERS Project Manager Name PAUL SCHAFER	<b>Project Name</b> CHIQUITA [ON] / OFF ] <b>Project Number</b> 01204123.21 TASK 22	<b>AAC Project No.:</b> Send Report To (Name/Email/Address) pschaf@scsengineers.com rhuff@scsengineers.com
---	--	---

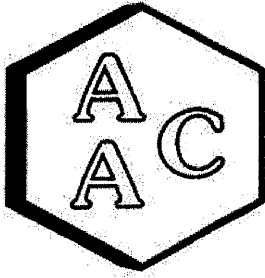
<b>Turnaround Time</b> <input type="checkbox"/> Rush 24 h <input type="checkbox"/> Same Day <input type="checkbox"/> Rush 48 h <input type="checkbox"/> 5 Days <input checked="" type="checkbox"/> Rush 72 h <input type="checkbox"/> Normal	<b>Sampler Name</b> Print: <i>Armando Hurtado</i> Signature: <i>Armando Hurtado</i>	<b>Analysis Requested</b> 307.91 SULFUR TO-15 FULL LIST	<b>Send Invoice To (Name/Email/Address)</b> PO Number
---	---	---	--

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	EDD?	LAB USE ONLY
MS-01	51811	11/28	0953	SUNDRY 1	X	X		
MS-02	51812		1051		X	X		
MS-03	51813		1309		X	X		
MS-04	51814		1013		X	X		
MS-05	51815		0936		X	X		
Reaction	51816		1030		X	X		
Working Face	51817		1105		X	X		

<b>Client Notes/Special Instructions:</b>	<b>Relinquished By</b> Print: <i>Armando Hurtado</i> Signature: <i>Armando Hurtado</i>	<b>Date</b> 11/28	<b>Received By</b> Print: <i>Armando Hurtado</i> Signature: <i>Armando Hurtado</i>	<b>Date</b> 11/28/23
	<b>Relinquished By</b> Print: <i>Paul Schaf</i> Signature: <i>Paul Schaf</i>	<b>Date</b> 1533	<b>Received By</b> Print: <i>Armando Hurtado</i> Signature: <i>Armando Hurtado</i>	<b>Date</b> 1535
	<b>Relinquished By</b> Print: _____ Signature: _____	<b>Date</b> _____	<b>Received By</b> Print: _____ Signature: _____	<b>Date</b> _____

D/O - 17x cans (1x wood)





# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita ON/OFF  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232522  
REPORT DATE : 12/07/2023

On December 5, 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Tedlar Bags for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

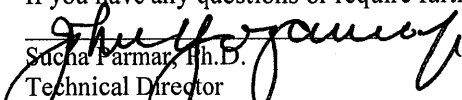
Client ID	Lab ID	Client ID	Lab ID
MS-06	232522-52056	SCV	232522-52065
MS-07	232522-52057	MS-01	232522-52066
MS-08	232522-52058	MS-02	232522-52067
MS-09	232522-52059	MS-03	232522-52068
MS-10	232522-52060	MS-04	232522-52069
MS-11	232522-52061	MS-05	232522-52070
MS-12	232522-52062	Reaction	232522-52071
Chiquito Cyn Rd	232522-52063	Working Face	232522-52072
S End Lincoln	232522-52064	--	--

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](http://www.aaclab.com).

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. These samples were received in Tedlar Bags, which are considered inappropriate containers by EPA Method TO-15. Per NELAC requirements the analytical results should be considered estimated for these samples. No problems were encountered during receiving, preparation, and/or analysis of these samples.

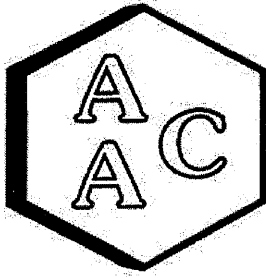
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 25 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

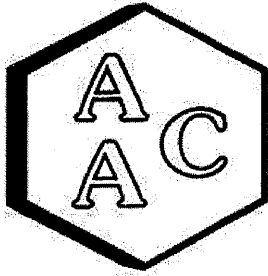
CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-06				Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
Client ID	232522-52056				232522-52057	12/05/2023			
AAC ID	12/05/2023			12/06/2023		1.00			
Date Sampled	12/06/2023			1.00					
Date Analyzed	1.00								
Can Dilution Factor	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	12.1		1	5.00	11.9		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	2.00	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	44.2		1	2.00	58.3		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	6.27		1	2.00	5.09		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

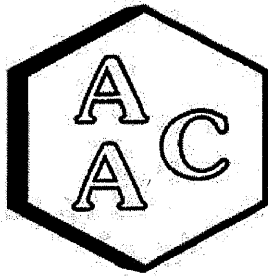
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-06				Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
Client ID	MS-06				MS-07				
AAC ID	232522-52056				232522-52057				
Date Sampled	12/05/2023				12/05/2023				
Date Analyzed	12/06/2023			12/06/2023					
Can Dilution Factor	1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Method Reporting Limit (MRL)	
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	4.77		1	0.50	5.55		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		97%				97%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

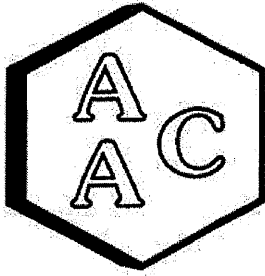
CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 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	Result	Qualifier		Analysis DF	AAC ID	Result		
	232522-52058				232522-52059				
Date Sampled	12/05/2023				12/05/2023				
Date Analyzed	12/06/2023				12/06/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	0.51		1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	27.8		1	5.00	21.7		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	53.4		1	2.00	56.6		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	7.01		1	2.00	6.43		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

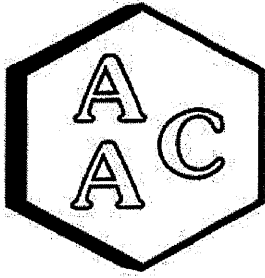
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### 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		232522-52058				232522-52059				
Date Sampled		12/05/2023			12/05/2023					
Date Analyzed		12/06/2023			12/06/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	5.26		1	0.50	5.23		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		99%				98%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

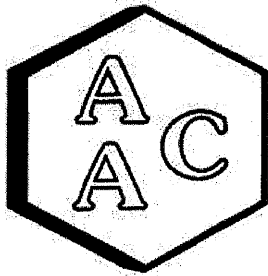
CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232522-52060				232522-52061				
<i>Date Sampled</i>		12/05/2023				12/05/2023				
<i>Date Analyzed</i>		12/06/2023				12/06/2023				
<i>Can Dilution Factor</i>		1.00			1.00					
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.51		1	0.50	0.57		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	11.9		1	5.00	21.1		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	66.3		1	2.00	28.9		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	6.71		1	2.00	11.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	6.36		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

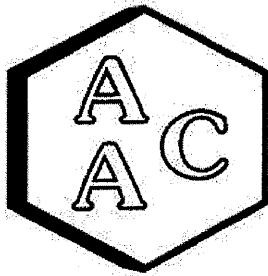
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### 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		232522-52060				232522-52061				
Date Sampled		12/05/2023			12/05/2023					
Date Analyzed		12/06/2023			12/06/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Toluene	6.01		1	0.50	14.5		1	0.50	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	0.50
BFB-Surrogate Std. % Recovery		102%				101%				70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

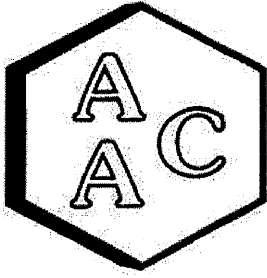
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232522-52062				232522-52063				
Date Sampled		12/05/2023				12/05/2023				
Date Analyzed		12/06/2023				12/06/2023				
Can Dilution Factor		1.00				1.00				
Compound	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	Result	Qualifier	Analysis DF	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	0.51	U	1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	11.2	U	1	5.00	32.3	U	1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	52.8	U	1	2.00	62.5	U	1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	6.00	U	1	2.00	5.60	U	1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

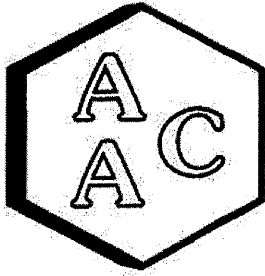
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232522-52062				232522-52063				
Date Sampled		12/05/2023				12/05/2023				
Date Analyzed		12/06/2023				12/06/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	7.92		1	0.50	5.40		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		99%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

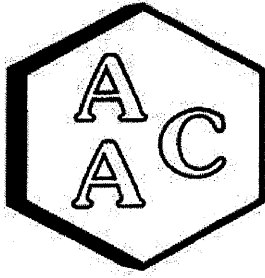
CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		Analysis DF	232522-52065	Result		
Date Sampled	12/05/2023				12/05/2023				
Date Analyzed	12/06/2023				12/06/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloromethane	0.51		1	0.50	<SRL	U	1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methanol	12.1		1	5.00	38.8		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethanol	60.4		1	2.00	74.2		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Acetone	5.62		1	2.00	7.59		1	2.00	2.00
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2-Propanol (IPA)	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Allvl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

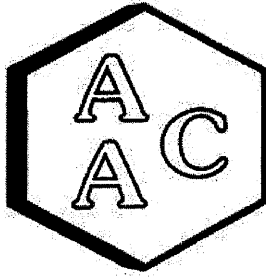
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232522-52064			232522-52065				
Date Sampled	12/05/2023				12/05/2023				
Date Analyzed	12/06/2023				12/06/2023				
Can Dilution Factor	1.00				1.00				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	5.79		1	0.50	4.28		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		100%				99%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

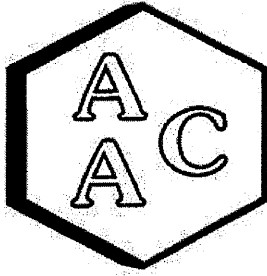
CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 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	232522-52066	Result	Qualifier	Analysis DF		232522-52067	Result	Qualifier		
Date Sampled	12/05/2023					12/05/2023				
Date Analyzed	12/06/2023					12/06/2023				
Can Dilution Factor	1.00					1.00				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	1.06		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	<SRL	U	1	0.50	0.55		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	43.1		1	5.00	26.0		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	53.6		1	2.00	70.5		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	31.4		1	2.00	38.1		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	5.15		1	2.00	6.43		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	1.34		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	0.68		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	1.66		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	1.81		1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

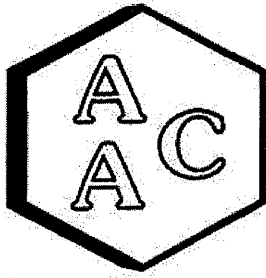
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### 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		232522-52066				232522-52067				
Date Sampled		12/05/2023				12/05/2023				
Date Analyzed		12/06/2023				12/06/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	21.8		1	0.50	16.2		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		100%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

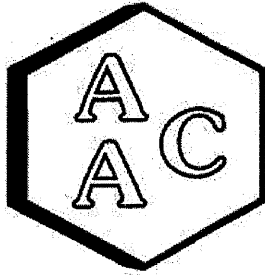
CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 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		232522-52068				232522-52069				
Date Sampled		12/05/2023			12/05/2023					
Date Analyzed		12/06/2023			12/06/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.53		1	0.50	0.55		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	33.2		1	5.00	23.2		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	74.7		1	2.00	79.7		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	10.4		1	2.00	39.8		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	<SRL	U	1	2.00	4.10		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

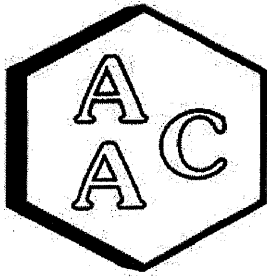
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-03		MS-04		Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
Client ID	AAC ID	Date Sampled	Date Analyzed		Can Dilution Factor	232522-52068	232522-52069		
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Toluene	4.76		1	0.50	18.6		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50
BFB-Surrogate Std. % Recovery		100%				98%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

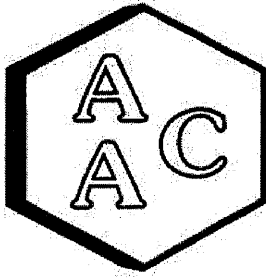
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### 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		232522-52070				232522-52071				
Date Sampled		12/05/2023				12/05/2023				
Date Analyzed		12/06/2023				12/06/2023				
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Chlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Propene	<SRL	U	1	1.00	5.69		1	1.00	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloromethane	0.55		1	0.50	0.63		1	0.50	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Chloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methanol	55.0		1	5.00	127		1	5.00	5.00	
1,3-Butadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromomethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Dichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethanol	67.8		1	2.00	90.0		1	2.00	2.00	
Vinyl Bromide	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Acetone	27.5		1	2.00	56.7		1	2.00	2.00	
Trichlorofluoromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2-Propanol (IPA)	4.81		1	2.00	12.5		1	2.00	2.00	
Acrylonitrile	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Allyl Chloride	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Carbon Disulfide	<SRL	U	1	2.00	<SRL	U	1	2.00	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Vinyl Acetate	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
2-Butanone (MEK)	<SRL	U	1	1.00	11.7		1	1.00	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chloroform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethyl Acetate	<SRL	U	1	0.50	1.28		1	0.50	0.50	
Tetrahydrofuran	<SRL	U	1	0.50	19.0		1	0.50	0.50	
1,2-Dichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzene	<SRL	U	1	0.50	14.1		1	0.50	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

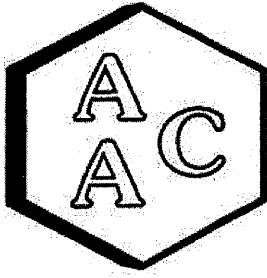
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### 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		232522-52070				232522-52071				
Date Sampled		12/05/2023			12/05/2023					
Date Analyzed		12/06/2023			12/06/2023					
Can Dilution Factor		1.00			1.00					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Cyclohexane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichloropropane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Bromodichloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dioxane	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Heptane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	0.56		1	0.50	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Toluene	14.6		1	0.50	16.1		1	0.50	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Dibromochloromethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dibromoethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Chlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Ethylbenzene	<SRL	U	1	0.50	0.70		1	0.50	0.50	
m & p-Xylene	<SRL	U	1	1.00	<SRL	U	1	1.00	1.00	
Bromoform	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Styrene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
o-Xylene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
4-Ethyltoluene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
Hexachlorobutadiene	<SRL	U	1	0.50	<SRL	U	1	0.50	0.50	
BFB-Surrogate Std. % Recovery		99%				101%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

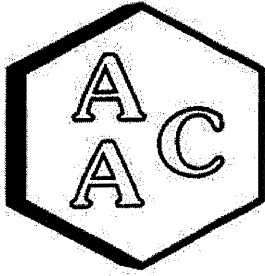
CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>	<i>Working Face</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>					
<i>Date Sampled</i>					
<i>Date Analyzed</i>					
<i>Can Dilution Factor</i>					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		
Chlorodifluoromethane	<SRL	U	1	0.50	0.50
Propene	<SRL	U	1	1.00	1.00
Dichlorodifluoromethane	<SRL	U	1	0.50	0.50
Chloromethane	0.54		1	0.50	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.50	0.50
Vinyl Chloride	<SRL	U	1	0.50	0.50
Methanol	30.1		1	5.00	5.00
1,3-Butadiene	<SRL	U	1	0.50	0.50
Bromomethane	<SRL	U	1	0.50	0.50
Chloroethane	<SRL	U	1	0.50	0.50
Dichlorofluoromethane	<SRL	U	1	0.50	0.50
Ethanol	87.8		1	2.00	2.00
Vinyl Bromide	<SRL	U	1	0.50	0.50
Acetone	29.6		1	2.00	2.00
Trichlorofluoromethane	0.59		1	0.50	0.50
2-Propanol (IPA)	5.17		1	2.00	2.00
Acrylonitrile	<SRL	U	1	0.50	0.50
1,1-Dichloroethene	<SRL	U	1	0.50	0.50
Methylene Chloride (DCM)	<SRL	U	1	1.00	1.00
Allyl Chloride	<SRL	U	1	1.00	1.00
Carbon Disulfide	<SRL	U	1	2.00	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.50	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
1,1-Dichloroethane	<SRL	U	1	0.50	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.50	0.50
Vinyl Acetate	<SRL	U	1	1.00	1.00
2-Butanone (MEK)	1.44		1	1.00	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.50	0.50
Hexane	<SRL	U	1	0.50	0.50
Chloroform	<SRL	U	1	0.50	0.50
Ethyl Acetate	1.10		1	0.50	0.50
Tetrahydrofuran	<SRL	U	1	0.50	0.50
1,2-Dichloroethane	<SRL	U	1	0.50	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.50	0.50
Benzene	<SRL	U	1	0.50	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232522  
 MATRIX : AIR  
 UNITS : PPB (v/v)

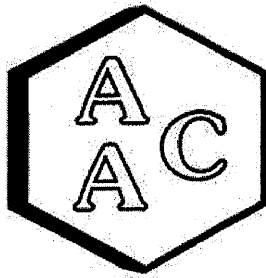
DATE RECEIVED : 12/05/2023  
 DATE REPORTED : 12/07/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>	<i>Working Face</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>	232522-52072				
<i>Date Sampled</i>	12/05/2023				
<i>Date Analyzed</i>	12/06/2023				
<i>Can Dilution Factor</i>	1.00				
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		
Carbon Tetrachloride	<SRL	U	1	0.50	0.50
Cyclohexane	<SRL	U	1	0.50	0.50
1,2-Dichloropropane	<SRL	U	1	0.50	0.50
Bromodichloromethane	<SRL	U	1	0.50	0.50
1,4-Dioxane	<SRL	U	1	1.00	1.00
Trichloroethene (TCE)	<SRL	U	1	0.50	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.50	0.50
Heptane	<SRL	U	1	0.50	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.50	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.50	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.50	0.50
Toluene	14.0		1	0.50	0.50
2-Hexanone (MBK)	<SRL	U	1	1.00	1.00
Dibromochloromethane	<SRL	U	1	0.50	0.50
1,2-Dibromoethane	<SRL	U	1	0.50	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.50	0.50
Chlorobenzene	<SRL	U	1	0.50	0.50
Ethylbenzene	<SRL	U	1	0.50	0.50
m & p-Xylene	<SRL	U	1	1.00	1.00
Bromoform	<SRL	U	1	0.50	0.50
Styrene	<SRL	U	1	0.50	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.50	0.50
o-Xylene	<SRL	U	1	0.50	0.50
4-Ethyltoluene	<SRL	U	1	0.50	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.50	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.50	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.50	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.50	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.50	0.50
Hexachlorobutadiene	<SRL	U	1	0.50	0.50
IBFB-Surrogate Std. % Recovery		100%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/06/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

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

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Continuing Calibration Verification of the 11/30/2023 Calibration

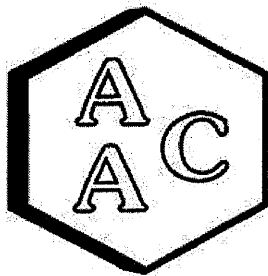
Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.51	101
Chlorodifluoromethane	10.30	9.87	96
Propene	10.70	9.48	89
Dichlorodifluoromethane	10.40	10.82	104
Dimethyl Ether	10.20	9.49	93
Chloromethane	10.50	9.71	92
Dichlorotetrafluoroethane	10.20	10.20	100
Vinyl Chloride	10.60	10.23	97
Acetaldehyde	21.00	21.37	102
Methanol	19.00	17.95	94
1,3-Butadiene	10.70	10.52	98
Bromomethane	10.40	10.41	100
Chloroethane	10.40	9.36	90
Dichlorofluoromethane	10.20	9.84	96
Ethanol	11.40	10.32	91
Vinyl Bromide	10.10	9.90	98
Acrolein	10.90	10.81	99
Acetone	10.60	10.18	96
Trichlorofluoromethane	10.50	10.55	100
2-Propanol (IPA)	11.00	10.20	93
Acrylonitrile	11.00	11.18	102
1,1-Dichloroethene	10.50	10.35	99
Methylene Chloride (DCM)	10.40	9.86	95
TertButanol (TBA)	11.10	10.52	95
Allyl Chloride	10.20	9.44	93
Carbon Disulfide	10.50	10.22	97
Trichlorotrifluoroethane	10.30	10.06	98
trans-1,2-Dichloroethene	10.80	10.88	101
1,1-Dichloroethane	10.70	10.20	95
Methyl Tert Butyl Ether (MTBE)	10.70	10.19	95
Vinyl Acetate	11.00	10.43	95
2-Butanone (MEK)	10.70	10.15	95
cis-1,2-Dichloroethene	10.70	10.86	101
Hexane	10.80	10.35	96
Chloroform	10.70	10.35	97
Ethyl Acetate	10.70	9.92	93
Tetrahydrofuran	10.40	9.88	95
1,2-Dichloroethane	10.60	10.44	98
1,1,1-Trichloroethane	10.50	10.24	98
Benzene	10.70	10.11	94
Carbon Tetrachloride	10.30	10.04	97
Cyclohexane	10.50	10.01	95

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.70	9.80	92
Bromodichloromethane	10.50	10.10	96
1,4-Dioxane	10.50	10.07	96
Trichloroethene (TCE)	10.50	10.14	97
2,2,4-Trimethylpentane	10.10	9.32	92
Methyl Methacrylate	11.00	10.44	95
Heptane	10.50	10.14	97
cis-1,3-Dichloropropene	10.50	10.10	96
4-Methyl-2-pentanone (MiBK)	10.50	9.71	92
trans-1,3-Dichloropropene	10.60	10.34	98
1,1,2-Trichloroethane	10.60	10.04	95
Toluene	10.80	10.26	95
2-Hexanone (MBK)	10.50	9.71	92
Dibromochloromethane	10.60	9.99	94
1,2-Dibromoethane	10.60	10.19	96
Tetrachloroethene (PCE)	10.50	10.00	95
Chlorobenzene	10.80	9.93	92
Ethylbenzene	10.60	10.11	95
m & p-Xylene	21.20	19.82	93
Bromoform	10.60	10.15	96
Styrene	10.60	10.21	96
1,1,2,2-Tetrachloroethane	10.60	9.73	92
o-Xylene	10.60	9.98	94
1,2,3-Trichloropropane	11.00	10.73	98
Isopropylbenzene (Cumene)	10.40	9.81	94
α-Pinene	10.80	8.96	83
2-Chlorotoluene	10.30	10.09	98
n-Propylbenzene	10.10	9.58	95
4-Ethyltoluene	10.40	9.83	95
1,3,5-Trimethylbenzene	10.30	9.75	95
β-Pinene	10.90	11.62	107
1,2,4-Trimethylbenzene	10.30	9.69	94
Benzyl Chloride (a-Chlorotoluene)	10.30	8.97	87
1,3-Dichlorobenzene	10.30	9.99	97
1,4-Dichlorobenzene	10.20	10.00	98
Sec-ButylBenzene	10.10	9.46	94
1,2-Dichlorobenzene	10.40	10.19	98
n-ButylBenzene	10.30	9.45	92
1,2-Dibromo-3-Chloropropane	10.30	9.24	90
1,2,4-Trichlorobenzene	10.50	10.50	100
Naphthalene	10.90	11.31	104
Hexachlorobutadiene	10.80	9.53	88

<sup>1</sup> Concentration of analyte compound in certified source standard.  
<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).  
<sup>3</sup> 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 : 12/06/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MSI-112823-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

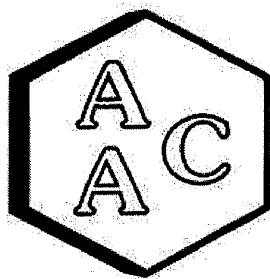
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.51	9.61	101	102	1.0
1,1-Dichloroethene	0.0	10.50	10.35	10.09	99	96	2.5
Methylene Chloride (DCM)	0.0	10.40	9.86	9.62	95	93	2.5
Benzene	0.0	10.70	10.11	10.18	94	95	0.7
Trichloroethene (TCE)	0.0	10.50	10.14	10.09	97	96	0.5
Toluene	0.0	10.80	10.26	10.33	95	96	0.7
Tetrachloroethene (PCE)	0.0	10.50	10.00	10.16	95	97	1.6
Chlorobenzene	0.0	10.80	9.93	10.18	92	94	2.5
Ethylbenzene	0.0	10.60	10.11	10.30	95	97	1.9
m & p-Xylene	0.0	21.20	19.82	20.18	93	95	1.8
o-Xylene	0.0	10.60	9.98	10.08	94	95	1.0

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 12/06/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL

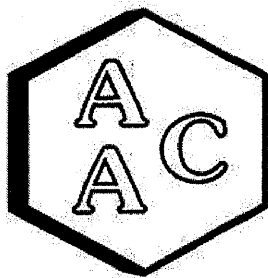
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 120623	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 120623	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 (α-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 : 12/06/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: TO15 CCV

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.51	9.61	1.0
Chlorodifluoromethane	9.87	9.42	4.7
Propene	9.48	9.35	1.4
Dichlorodifluoromethane	10.8	10.3	4.8
Dimethyl Ether	9.49	8.53	10.7
Chloromethane	9.71	8.74	10.5
Dichlorotetrafluoroethane	10.2	9.78	4.2
Vinyl Chloride	10.2	9.53	7.1
Acetaldehyde	21.4	19.6	8.5
Methanol	18.0	18.7	4.1
1,3-Butadiene	10.5	10.1	4.3
Bromomethane	10.4	9.93	4.7
Chloroethane	9.36	9.12	2.6
Dichlorofluoromethane	9.84	9.38	4.8
Ethanol	10.3	10.3	0.4
Vinyl Bromide	9.90	9.74	1.6
Acrolein	10.8	10.0	7.6
Acetone	10.2	9.54	6.5
Trichlorofluoromethane	10.6	10.1	4.9
2-Propanol (IPA)	10.2	9.73	4.7
Acrylonitrile	11.2	10.8	3.6
1,1-Dichloroethene	10.4	10.1	2.5
Methylene Chloride (DCM)	9.86	9.62	2.5
TertButanol (TBA)	10.5	9.91	6.0
Allyl Chloride	9.44	9.13	3.3
Carbon Disulfide	10.2	9.84	3.8
Trichlorotrifluoroethane	10.1	9.56	5.1
trans-1,2-Dichloroethene	10.9	10.7	1.9
1,1-Dichloroethane	10.2	9.85	3.5
Methyl Tert Butyl Ether (MTBE)	10.2	9.29	9.2
Vinyl Acetate	10.4	10.1	3.5
2-Butanone (MEK)	10.2	9.49	6.7
cis-1,2-Dichloroethene	10.9	10.5	3.7
Hexane	10.4	10.3	0.4
Chloroform	10.4	10.1	2.6
Ethyl Acetate	9.92	9.42	5.2
Tetrahydrofuran	9.88	9.03	9.0
1,2-Dichloroethane	10.4	10.0	3.9
1,1,1-Trichloroethane	10.2	9.88	3.6
Benzene	10.1	10.2	0.7
Carbon Tetrachloride	10.0	10.2	1.4
Cyclohexane	10.0	10.1	1.0

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
1,2-Dichloropropane	9.80	9.78	0.2
Bromodichloromethane	10.1	10.4	2.5
1,4-Dioxane	10.1	9.93	1.4
Trichloroethene (TCE)	10.1	10.1	0.5
2,2,4-Trimethylpentane	9.32	9.25	0.8
Methyl Methacrylate	10.4	10.6	1.7
Heptane	10.1	10.2	0.8
cis-1,3-Dichloropropene	10.1	10.0	0.7
4-Methyl-2-pentanone (MIBK)	9.71	9.71	0.0
trans-1,3-Dichloropropene	10.3	10.3	0.1
1,1,2-Trichloroethane	10.0	10.0	0.2
Toluene	10.3	10.3	0.7
2-Hexanone (MBK)	9.71	9.67	0.4
Dibromochloromethane	9.99	10.6	5.9
1,2-Dibromoethane	10.2	10.0	1.7
Tetrachloroethene (PCE)	10.0	10.2	1.6
Chlorobenzene	9.93	10.2	2.5
Ethylbenzene	10.1	10.3	1.9
m & p-Xylene	19.8	20.2	1.8
Bromoform	10.2	10.4	2.0
Styrene	10.2	10.3	0.8
1,1,2,2-Tetrachloroethane	9.73	9.74	0.1
o-Xylene	9.98	10.1	1.0
1,2,3-Trichloropropane	10.7	10.6	1.5
Isopropylbenzene (Cumene)	9.81	9.93	1.2
α-Pinene	8.96	8.52	5.0
2-Chlorotoluene	10.1	10.3	1.9
n-Propylbenzene	9.58	9.74	1.7
4-Ethyltoluene	9.83	9.94	1.1
1,3,5-Trimethylbenzene	9.75	9.83	0.8
β-Pinene	11.6	10.7	7.9
1,2,4-Trimethylbenzene	9.69	9.99	3.0
Benzyl Chloride (a-Chlorotoluene)	8.97	9.51	5.8
1,3-Dichlorobenzene	9.99	10.4	4.0
1,4-Dichlorobenzene	10.0	10.2	2.2
Sec-ButylBenzene	9.46	9.60	1.5
1,2-Dichlorobenzene	10.2	10.6	3.8
n-ButylBenzene	9.45	9.90	4.7
1,2-Dibromo-3-Chloropropane	9.24	9.70	4.9
1,2,4-Trichlorobenzene	10.5	10.8	2.5
Naphthalene	11.3	11.5	1.4
Hexachlorobutadiene	9.53	9.90	3.8

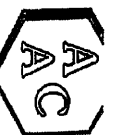
<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



232522



**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 ]  
**Project Number**  
01204123.21 TASK 22

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

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-06	52056	12/5	1226	Kelvar 1	307.91 SULFUR TO-15 FULL LIST	<input type="checkbox"/> Yes <input type="checkbox"/> No
MS-07	52057		1056		X	
MS-08	52058		1127		X	
MS-09	52059		1137		X	
MS-10	52060		1205		X	
MS-11	52061		1253		X	
MS-12	52062		1120		X	
Chiquita Cyn Rd	52063		1104		X	
S End Lincoln	52064		1114		X	
SCV	52065		1145		X	

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**Date**  
12/5  
**Time**  
1400

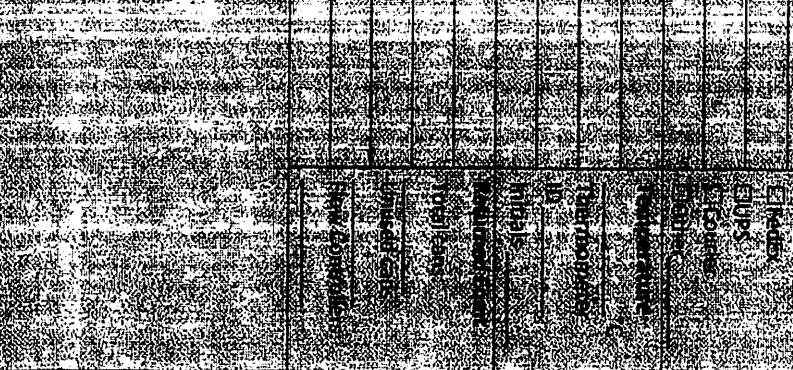
**Received By**  
Print: *Zachary Smith*  
Signature: *Zachary Smith*

**Date**  
12/5/23  
**Time**  
1409

**EDD?**  
 Yes  
 No

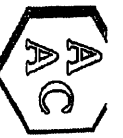
**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
rhuff@scsengineers.com  
**Send Invoice To (Name/Email/Address)**

**PO Number**





232522



**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@aacadab.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

**Analysis Requested**  
307.91 SULFUR  
TO-15 FULL LIST

**AAC Project No.:**  
**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: *Amanda Harbado*  
Signature: *Amanda Harbado*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

**Client Sample Name**  
MS-01  
MS-02  
MS-03  
MS-04  
MS-05  
Reaction  
Working Face

**Sample ID**  
0947  
1030  
1235  
1004  
0930  
1015  
1040

**Sampling Date**  
12/5  
↓  
↓  
↓  
↓  
↓  
↓

**Sampling Time**  
52066  
52067  
52068  
52069  
52070  
52071  
52072

**Container Type/Qty**  
Redox 1  
↓  
↓  
↓  
↓  
↓  
↓

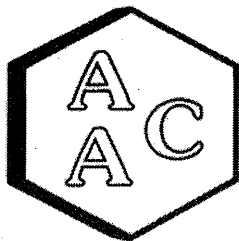
**EDD?**  
 Yes  
 No

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Amanda Harbado*  
Signature: *Amanda Harbado*  
**Relinquished By**  
Print: *Paul Schaffer*  
Signature: *Paul Schaffer*

**Received By**  
Print: *Zachary Smith*  
Signature: *Zachary Smith*  
**Received By**  
Print: *Zachary Smith*  
Signature: *Zachary Smith*

**Date**  
12/5  
1400  
12/5/23  
1409



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita [ ON / OFF ]  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232522  
REPORT DATE : 12/07/2023

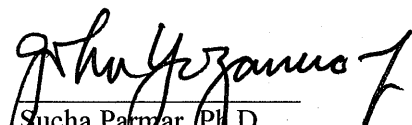
On December 5<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Client ID	Lab No.
MS-06	232522-52056	SCV	232522-52065
MS-07	232522-52057	MS-01	232522-52066
MS-08	232522-52058	MS-02	232522-52067
MS-09	232522-52059	MS-03	232522-52068
MS-10	232522-52060	MS-04	232522-52069
MS-11	232522-52061	MS-05	232522-52070
MS-12	232522-52062	Reaction	232522-52071
Chiquita Cyn Rd	232522-52063	Working Face	232522-52072
S End Lincoln	232522-52064		

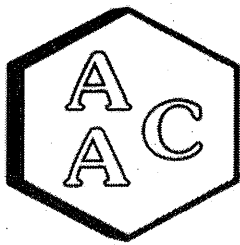
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

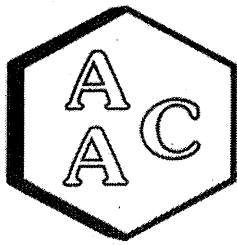
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232522  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 12/05/2023  
**RECEIVING DATE :** 12/05/2023  
**ANALYSIS DATE :** 12/05-06/2023  
**REPORT DATE :** 12/07/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	232522-52056	232522-52057	232522-52058	232522-52059	232522-52060	232522-52061
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

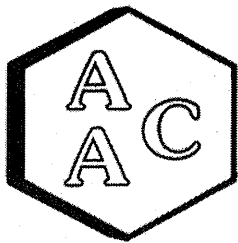
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232522  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 12/05/2023  
**RECEIVING DATE :** 12/05/2023  
**ANALYSIS DATE :** 12/06/2023  
**REPORT DATE :** 12/07/2023

### 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	232522-52062	232522-52063	232522-52064	232522-52065	232522-52066	232522-52067
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

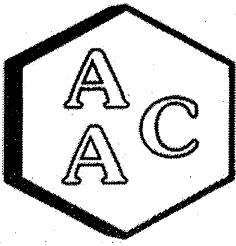
**CLIENT :** SCS Engineers  
**PROJECT NO. :** 232522  
**MATRIX :** AIR  
**UNITS :** ppmv

**SAMPLING DATE :** 12/05/2023  
**RECEIVING DATE :** 12/05/2023  
**ANALYSIS DATE :** 12/06/2023  
**REPORT DATE :** 12/07/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	232522-52068	232522-52069	232522-52070	232522-52071	232522-52072
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
COS / SO2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ethyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Carbon Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Isopropyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
tert-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Propyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Methylethylsulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
sec-Butyl Mercaptan / Thiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
iso-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Sulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
n-Butyl Mercaptan	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dimethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
3-Methylthiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tetrahydrothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Bromothiophene	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Thiophenol	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Diethyl Disulfide	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Unidentified Sulfur	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Reduced Sulfurs	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 12/5/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	830	0.478	95.6	0.3
Duplicate	826	0.475	95.1	0.8
Triplicate	843	0.485	97.0	1.1

*0.548 ppbV H2S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	885	0.538	98.2	2.5
Duplicate	920	0.559	102.1	1.3
Triplicate	919	0.558	102.0	1.2

*0.479 ppbV H2S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	874	0.482	100.6	2.0
Duplicate	836	0.461	96.2	2.5
Triplicate	862	0.475	99.2	0.5

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.268	0.253	107.3	101.3	5.8
MeSH	<PQL	0.274	0.290	0.294	105.9	107.4	1.4
DMS	<PQL	0.240	0.235	0.233	98.1	97.3	0.9

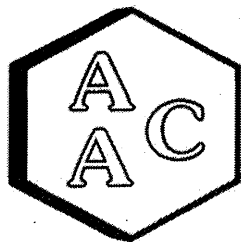
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.485	97.0
MeSH	0.548	0.558	101.9
DMS	0.479	0.445	92.9

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 12/6/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date : 6/13/23

### Opening Calibration Verification Standard

0.500 ppbV H<sub>2</sub>S (SSI 289)

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	875	0.503	100.7	0.4
Duplicate	859	0.494	98.9	1.5
Triplicate	881	0.507	101.5	1.1

0.548 ppbV MeSH (SSI 289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	900	0.547	99.9	0.4
Duplicate	890	0.541	98.8	0.7
Triplicate	898	0.546	99.7	0.2

0.479 ppbV DMS (SSI 289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	892	0.492	102.7	1.5
Duplicate	876	0.483	100.8	0.3
Triplicate	868	0.479	99.9	1.2

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231187-45761 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.257	0.254	102.9	101.7	1.2
MeSH	<PQL	0.274	0.275	0.273	100.5	99.7	0.7
DMS	<PQL	0.240	0.246	0.256	102.7	106.9	4.0

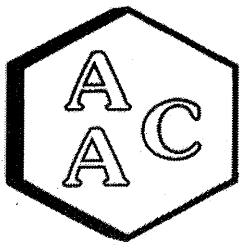
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.485	97.0
MeSH	0.548	0.572	104.5
DMS	0.479	0.465	97.1

\* 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



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 12/6/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1915	519	104.0	2.4
Duplicate	1898	515	103.0	1.5
Triplicate	1797	487	97.5	3.9

*547.5 ppbV H2S (SSI289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2354	546	99.7	1.2
Duplicate	2391	554	101.3	0.4
Triplicate	2400	557	101.7	0.8

*479.0 ppbV H2S (SSI289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2629	497	103.8	2.2
Duplicate	2492	471	98.4	3.1
Triplicate	2594	490	102.4	0.9

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	231.0	249.6	92.5	99.9	7.7
MeSH	<PQL	273.8	264.6	271.2	96.7	99.1	2.5
DMS	<PQL	239.5	262.3	254.0	109.5	106.1	3.2

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	531.5	106.4
MeSH	547.5	581.4	106.2
DMS	479.0	514.5	107.4

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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



252522



**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) 1  
**Project Number**  
01204123.21 TASK 22

**Analysis Requested**  
307.91 SULFUR  
TO-15 FULL LIST

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschaf@scsengineers.com  
rhuff@scsengineers.com

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

**Sampler Name**  
Print: Armando Hurtado  
Signature: *Armando Hurtado*

**Send Invoice To (Name/Email/Address)**  
PO Number

**Client Sample Name**

**Sample ID**      **Sampling Date**      **Sampling Time**      **Container Type/Qty**

**EDD?**  
 Yes  
 No

**Date**      **Received By**      **Signature**

MS-06	52056	12/5	1226	Redlar 1	X	X		
MS-07	52057		1056		X	X		
MS-08	52058		1127		X	X		
MS-09	52059		1137		X	X		
MS-10	52060		1205		X	X		
MS-11	52061		1253		X	X		
MS-12	52062		1120		X	X		
Chiquito Crn Rd	52063		1104		X	X		
S End Lincoln	52064		1114		X	X		
SCY	52065		1145		X	X		

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: Armando Hurtado  
Signature: *Armando Hurtado*

**Relinquished By**  
Print: *Paul Schaf*  
Signature: *Paul Schaf*

**Date** 12/5  
**Time** 1400

**Received By** Zachary Samska  
**Signature:** *Zachary Samska*

**Date** 12/5/20  
**Time** 1404

232522



**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@aacalab.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

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
rhuff@scsengineers.com

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

**Sampler Name**  
**Print:** Armando Horbado  
**Signature:** *Armando Horbado*

**Analysis Requested**  
307.91 SULFUR  
TO-15 FULL LIST

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	EDD?
MS-01	0947	12/5	52066	redox 1	X	X	<input type="checkbox"/> Yes <input type="checkbox"/> No
MS-02	1030		52067		X	X	
MS-03	1235		52068		X	X	
MS-04	1004		52069		X	X	
MS-05	0930		52070		X	X	
Reaction	1015		52071		X	X	
Working Face	1040		52072		X	X	

**Client Notes/Special Instructions:**

**Relinquished By**  
**Print:** Armando Horbado  
**Signature:** *Armando Horbado*

**Relinquished By**  
**Print:** *Armando Horbado*  
**Signature:** *Armando Horbado*

**Date** 12/5  
**Time** 1400

**Received By** Zachary Smith  
**Print:** *Zachary Smith*  
**Signature:** *Zachary Smith*

**Date** 12/5  
**Time** 1409

**LAS USE ONLY**

**Lab ID**

**Sample Received**

**Element**

**Count**

**Count Error**

**Temperature**

**Date (mm/dd/yyyy)**

**ID**

**Initials**

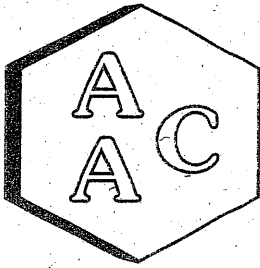
**Signature**

**Print Name**

**Phone**

**Work Email**

**Home Email**



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita ON/OFF  
PROJECT NO. : 01204123.21 TASK 22  
AAC PROJECT NO. : 232585  
REPORT DATE : 12/14/2023

On December 12, 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) 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:

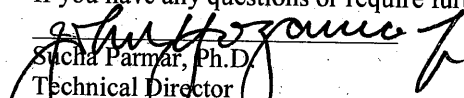
Client ID	Lab ID	Return Pressure (mmHga)	Client ID	Lab ID	Return Pressure (mmHga)
MS-06	232585-52467	237.5	SCV	232585-52476	736.0
MS-07	232585-52468	719.5	MS-01	232585-52477	718.5
MS-08	232585-52469	742.0	MS-02	232585-52478	715.0
MS-09	232585-52470	736.0	MS-03	232585-52479	719.0
MS-10	232585-52471	752.5	MS-04	232585-52480	704.0
MS-11	232585-52472	687.0	MS-05	232585-52481	669.5
MS-12	232585-52473	739.5	Reaction	232585-52482	711.5
Chiquito Cyn Rd	232585-52474	767.5	Working Face	232585-52483	720.5
S End Lincoln	232585-52475	739.0	--	--	

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](http://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.

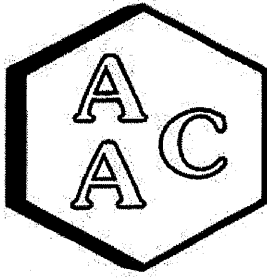
The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

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 25 pages.





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

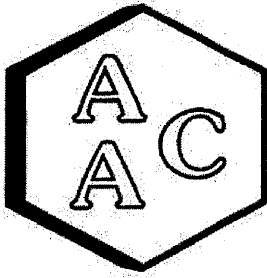
CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

MS-06				Sample Reporting Limit (SRL) (MRLxDF's)	MS-07			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
232585-52467					232585-52468				
12/12/2023					12/12/2023				
12/13/2023					12/13/2023				
4.30				1.42					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	4.30	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Methanol	<SRL	U	1	21.5	10.8		1	7.10	5.00
1,3-Butadiene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	2.00	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Ethanol	<SRL	U	1	8.61	42.9		1	2.84	2.00
Vinyl Bromide	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Acetone	<SRL	U	1	8.61	7.22		1	2.84	2.00
Trichlorofluoromethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	8.61	<SRL	U	1	2.84	2.00
Acrylonitrile	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	<SRL	U	1	4.30	<SRL	U	1	1.42	1.00
Allyl Chloride	<SRL	U	1	4.30	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	8.61	<SRL	U	1	2.84	2.00
Trichlorotrifluoroethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	4.30	<SRL	U	1	1.42	1.00
2-Butanone (MEK)	<SRL	U	1	4.30	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	2.15	0.75		1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	2.15	0.77		1	0.71	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

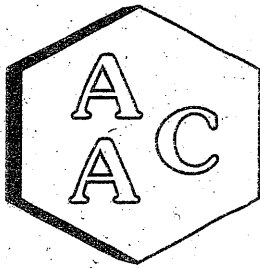
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### 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		232585-52467				232585-52468				
Date Sampled		12/12/2023				12/12/2023				
Date Analyzed		12/13/2023				12/13/2023				
Can Dilution Factor		4.30			1.42					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)		
Carbon Tetrachloride	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Cyclohexane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,2-Dichloropropane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Bromodichloromethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,4-Dioxane	<SRL	U	1	4.30	<SRL	U	1	1.42	1.00	
Trichloroethene (TCE)	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Heptane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,1,2-Trichloroethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Toluene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
2-Hexanone (MBK)	<SRL	U	1	4.30	<SRL	U	1	1.42	1.00	
Dibromochloromethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,2-Dibromoethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Chlorobenzene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Ethylbenzene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
m & p-Xylene	<SRL	U	1	4.30	<SRL	U	1	1.42	1.00	
Bromoform	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Styrene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
o-Xylene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
4-Ethyltoluene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,3-Dichlorobenzene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,4-Dichlorobenzene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,2-Dichlorobenzene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
Hexachlorobutadiene	<SRL	U	1	2.15	<SRL	U	1	0.71	0.50	
BFB-Surrogate Std. % Recovery		96%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

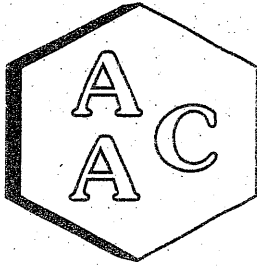
CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 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		232585-52469				232585-52470				
Date Sampled		12/12/2023				12/12/2023				
Date Analyzed		12/13/2023				12/13/2023				
Can Dilution Factor		1.37			1.39					
Compound	Result	Qualifier	Analysis DF							
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Propene	<SRL	U	1	1.37	<SRL	U	1	1.39	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Methanol	28.0			6.87	18.0			6.93	5.00	
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Ethanol	<SRL	U	1	2.75	4.64			2.77	2.00	
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Acetone	3.53			2.75	50.4			2.77	2.00	
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
2-Propanol (IPA)	<SRL	U	1	2.75	<SRL	U	1	2.77	2.00	
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.37	3.78			1.39	1.00	
Allyl Chloride	<SRL	U	1	1.37	<SRL	U	1	1.39	1.00	
Carbon Disulfide	<SRL	U	1	2.75	<SRL	U	1	2.77	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Vinyl Acetate	<SRL	U	1	1.37	<SRL	U	1	1.39	1.00	
2-Butanone (MEK)	<SRL	U	1	1.37	<SRL	U	1	1.39	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Hexane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Benzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

**CLIENT :** SCS Engineers  
**PROJECT NO :** 232585  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

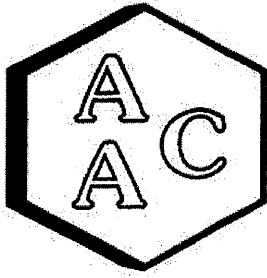
**DATE RECEIVED :** 12/12/2023  
**DATE REPORTED :** 12/14/2023  
**ANALYST :** DL/CH

### 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		232585-52469				232585-52470				
Date Sampled		12/12/2023				12/12/2023				
Date Analyzed		12/13/2023				12/13/2023				
Can Dilution Factor		1.37			1.39					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,4-Dioxane	<SRL	U	1	1.37	<SRL	U	1	1.39	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Heptane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Toluene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.37	<SRL	U	1	1.39	1.00	
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
m & p-Xylene	<SRL	U	1	1.37	<SRL	U	1	1.39	1.00	
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
BFB-Surrogate Std. % Recovery			97%				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 : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

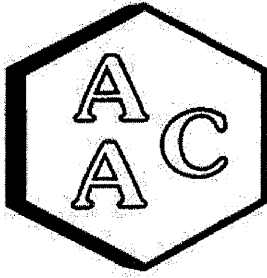
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-10			Sample Reporting Limit (SRL) (MRLxDF's)	MS-11			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232585-52471				232585-52472				
<i>Date Sampled</i>		12/12/2023				12/12/2023				
<i>Date Analyzed</i>		12/13/2023				12/13/2023				
<i>Can Dilution Factor</i>		1.36			1.49					
<i>Compound</i>	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Propene	<SRL	U	1	1.36	<SRL	U	1	1.49	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Chloromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Vinyl Chloride	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Methanol	<SRL	U	1	6.79	<SRL	U	1	7.44	5.00	
1,3-Butadiene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Bromomethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Chloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Dichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Ethanol	10.1		1	2.72	7.69		1	2.98	2.00	
Vinyl Bromide	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Acetone	18.6		1	2.72	<SRL	U	1	2.98	2.00	
Trichlorofluoromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
2-Propanol (IPA)	<SRL	U	1	2.72	<SRL	U	1	2.98	2.00	
Acrylonitrile	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
1,1-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.36	<SRL	U	1	1.49	1.00	
Allyl Chloride	<SRL	U	1	1.36	<SRL	U	1	1.49	1.00	
Carbon Disulfide	<SRL	U	1	2.72	<SRL	U	1	2.98	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
1,1-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Vinyl Acetate	<SRL	U	1	1.36	<SRL	U	1	1.49	1.00	
2-Butanone (MEK)	<SRL	U	1	1.36	<SRL	U	1	1.49	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Hexane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Chloroform	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Ethyl Acetate	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Tetrahydrofuran	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
1,2-Dichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	
Benzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

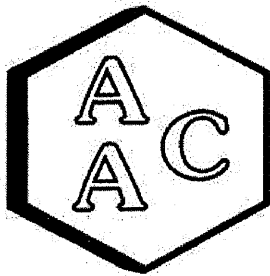
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### 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	Result	Qualifier		Analysis DF	AAC ID	Result		
	232585-52471				232585-52472				
Date Sampled	12/12/2023				12/12/2023				
Date Analyzed	12/13/2023				12/13/2023				
Can Dilution Factor	1.36				1.49				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)
Carbon Tetrachloride	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Cyclohexane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2-Dichloropropane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Bromodichloromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,4-Dioxane	<SRL	U	1	1.36	<SRL	U	1	1.49	1.00
Trichloroethene (TCE)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Heptane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Toluene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
2-Hexanone (MBK)	<SRL	U	1	1.36	<SRL	U	1	1.49	1.00
Dibromochloromethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2-Dibromoethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Chlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Ethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
m & p-Xylene	<SRL	U	1	1.36	<SRL	U	1	1.49	1.00
Bromoform	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Styrene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
o-Xylene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
4-Ethyltoluene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
Hexachlorobutadiene	<SRL	U	1	0.68	<SRL	U	1	0.74	0.50
BFB-Surrogate Std. % Recovery		97%				97%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

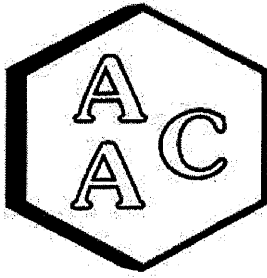
CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		232585-52473				232585-52474				
Date Sampled		12/12/2023				12/12/2023				
Date Analyzed		12/13/2023				12/13/2023				
Can Dilution Factor		1.39			1.33					
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF			
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Propene	<SRL	U	1	1.39	<SRL	U	1	1.33	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Methanol	<SRL	U	1	6.93	<SRL	U	1	6.65	5.00	
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Ethanol	3.20		1	2.77	8.17		1	2.66	2.00	
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Acetone	3.78		1	2.77	5.02		1	2.66	2.00	
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
2-Propanol (IPA)	<SRL	U	1	2.77	<SRL	U	1	2.66	2.00	
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.39	<SRL	U	1	1.33	1.00	
Allyl Chloride	<SRL	U	1	1.39	<SRL	U	1	1.33	1.00	
Carbon Disulfide	<SRL	U	1	2.77	<SRL	U	1	2.66	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Vinyl Acetate	<SRL	U	1	1.39	<SRL	U	1	1.33	1.00	
2-Butanone (MEK)	<SRL	U	1	1.39	<SRL	U	1	1.33	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Hexane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Benzene	<SRL	U	1	0.69	0.83		1	0.67	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

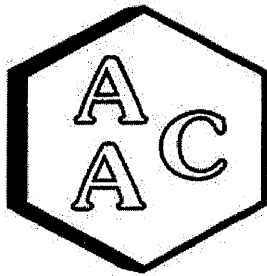
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-12			Sample Reporting Limit (SRL) (MRLxDF's)	Chiquito Cyn Rd			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232585-52473				232585-52474				
<i>Date Sampled</i>		12/12/2023				12/12/2023				
<i>Date Analyzed</i>		12/13/2023				12/13/2023				
<i>Can Dilution Factor</i>		1.39			1.33					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,4-Dioxane	<SRL	U	1	1.39	<SRL	U	1	1.33	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Heptane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Toluene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.39	<SRL	U	1	1.33	1.00	
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
m & p-Xylene	<SRL	U	1	1.39	<SRL	U	1	1.33	1.00	
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.67	0.50	
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.67	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

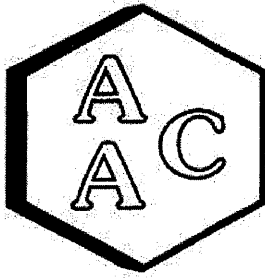
CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>S End Lincoln</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>SCV</i>			<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		<i>232585-52475</i>				<i>232585-52476</i>				
<i>Date Sampled</i>		<i>12/12/2023</i>				<i>12/12/2023</i>				
<i>Date Analyzed</i>		<i>12/13/2023</i>				<i>12/13/2023</i>				
<i>Can Dilution Factor</i>		<i>1.38</i>			<i>1.39</i>					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Propene	<SRL	U	1	1.38	<SRL	U	1	1.39	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Chloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Vinyl Chloride	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Methanol	<SRL	U	1	6.89	<SRL	U	1	6.95	5.00	
1,3-Butadiene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Bromomethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Chloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Dichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Ethanol	3.61		1	2.76	3.49		1	2.78	2.00	
Vinyl Bromide	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Acetone	4.44		1	2.76	63.3		1	2.78	2.00	
Trichlorofluoromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
2-Propanol (IPA)	<SRL	U	1	2.76	<SRL	U	1	2.78	2.00	
Acrylonitrile	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,1-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.38	<SRL	U	1	1.39	1.00	
Allyl Chloride	<SRL	U	1	1.38	<SRL	U	1	1.39	1.00	
Carbon Disulfide	<SRL	U	1	2.76	<SRL	U	1	2.78	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,1-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Vinyl Acetate	<SRL	U	1	1.38	<SRL	U	1	1.39	1.00	
2-Butanone (MEK)	<SRL	U	1	1.38	<SRL	U	1	1.39	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Hexane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Chloroform	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Ethyl Acetate	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Tetrahydrofuran	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,2-Dichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	
Benzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

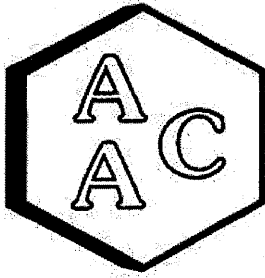
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	S End Lincoln			Sample Reporting Limit (SRL) (MRLxDF's)	SCV			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
	AAC ID	232585-52475			232585-52476				
Date Sampled	12/12/2023				12/12/2023				
Date Analyzed	12/13/2023				12/13/2023				
Can Dilution Factor	1.38				1.39				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Cyclohexane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,2-Dichloropropane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Bromodichloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,4-Dioxane	<SRL	U	1	1.38	<SRL	U	1	1.39	1.00
Trichloroethene (TCE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
2,2,4-Trimethylpentane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Heptane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
cis-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
trans-1,3-Dichloropropene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,1,2-Trichloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Toluene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
2-Hexanone (MBK)	<SRL	U	1	1.38	<SRL	U	1	1.39	1.00
Dibromochloromethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,2-Dibromoethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Tetrachloroethene (PCE)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Chlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Ethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
m & p-Xylene	<SRL	U	1	1.38	<SRL	U	1	1.39	1.00
Bromoform	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Styrene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
o-Xylene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
4-Ethyltoluene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,3,5-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,2,4-Trimethylbenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,3-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,4-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,2-Dichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
1,2,4-Trichlorobenzene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
Hexachlorobutadiene	<SRL	U	1	0.69	<SRL	U	1	0.69	0.50
BFB-Surrogate Std. % Recovery		97%				96%			70-130%

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

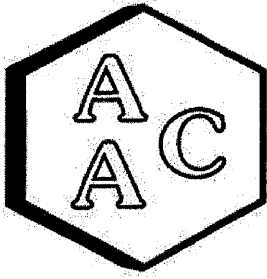
CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 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	232585-52477	Result	Qualifier	Analysis DF		232585-52478	Result	Qualifier		
Date Sampled	12/12/2023				12/12/2023					
Date Analyzed	12/13/2023				12/13/2023					
Can Dilution Factor	1.42				1.43					
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	(MRL)	
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Propene	<SRL	U	1	1.42	<SRL	U	1	1.43	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Chloromethane	0.77		1	0.71	<SRL	U	1	0.71	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Methanol	<SRL	U	1	7.10	<SRL	U	1	7.14	5.00	
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Ethanol	<SRL	U	1	2.84	<SRL	U	1	2.86	2.00	
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Acetone	3.12		1	2.84	<SRL	U	1	2.86	2.00	
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
2-Propanol (IPA)	<SRL	U	1	2.84	<SRL	U	1	2.86	2.00	
Acrylonitrile	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,1-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Methylene Chloride (DCM)	<SRL	U	1	1.42	<SRL	U	1	1.43	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	2.86	2.00	
Trichlorotrifluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
trans-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,1-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Vinyl Acetate	<SRL	U	1	1.42	<SRL	U	1	1.43	1.00	
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	0.71	0.50	
Hexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Ethyl Acetate	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Tetrahydrofuran	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,2-Dichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,1,1-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Benzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

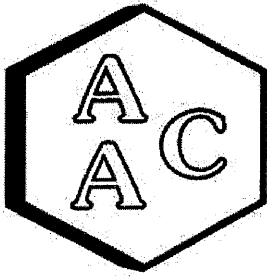
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### 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		232585-52477				232585-52478				
Date Sampled		12/12/2023				12/12/2023				
Date Analyzed		12/13/2023				12/13/2023				
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	0.71	0.50	
Cyclohexane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,2-Dichloropropane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Bromodichloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,4-Dioxane	<SRL	U	1	1.42	<SRL	U	1	1.43	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Heptane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
4-Methyl-2-pentanone (MIBK)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Toluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.43	1.00	
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,2-Dibromoethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Chlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Ethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	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	0.71	0.50	
Styrene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
o-Xylene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
4-Ethyltoluene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
Hexachlorobutadiene	<SRL	U	1	0.71	<SRL	U	1	0.71	0.50	
BPB-Surrogate Std. % Recovery			97%				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 : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

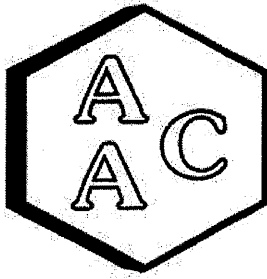
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-03			Sample Reporting Limit (SRL) (MRLxDF's)	MS-04			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232585-52479				232585-52480				
<i>Date Sampled</i>		12/12/2023				12/12/2023				
<i>Date Analyzed</i>		12/13/2023				12/13/2023				
<i>Can Dilution Factor</i>		1.42			1.45					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Propene	<SRL	U	1	1.42	3.26			1.45	1.00	
Dichlorodifluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Chloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Dichlorotetrafluoroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Vinyl Chloride	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Methanol	<SRL	U	1	7.10	47.2			7.24	5.00	
1,3-Butadiene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Bromomethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Chloroethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Dichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Ethanol	<SRL	U	1	2.84	127			2.89	2.00	
Vinyl Bromide	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Acetone	<SRL	U	1	2.84	15.5			2.89	2.00	
Trichlorofluoromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
2-Propanol (IPA)	<SRL	U	1	2.84	6.33			2.89	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	1.45	1.00	
Allyl Chloride	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00	
Carbon Disulfide	<SRL	U	1	2.84	<SRL	U	1	2.89	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	1.42	<SRL	U	1	1.45	1.00	
2-Butanone (MEK)	<SRL	U	1	1.42	5.37			1.45	1.00	
cis-1,2-Dichloroethene	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Hexane	<SRL	U	1	0.71	5.51			0.72	0.50	
Chloroform	<SRL	U	1	0.71	<SRL	U	1	0.72	0.50	
Ethyl Acetate	<SRL	U	1	0.71	1.09			0.72	0.50	
Tetrahydrofuran	<SRL	U	1	0.71	6.40			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	7.05			0.72	0.50	







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

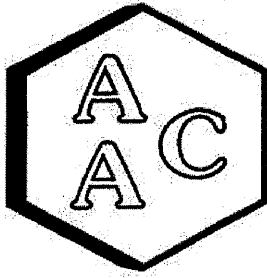
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### 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		232585-52479				232585-52480				
Date Sampled		12/12/2023				12/12/2023				
Date Analyzed		12/13/2023				12/13/2023				
Can Dilution Factor		1.42			1.45					
Compound	Result	Qualifier	Analysis DF	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	2.11		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	1.45	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	1.30		1	0.72	0.50	
Heptane	<SRL	U	1	0.71	1.48		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	2.95		1	0.72	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.42	<SRL	U	1	1.45	1.00	
Dibromochloromethane	<SRL	U	1	0.71	<SRL	U	1	0.72	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	1.45	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		97%			98%			70-130%		

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

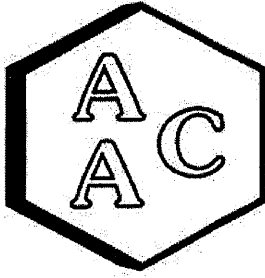
CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		MS-05			Sample Reporting Limit (SRL) (MRLxDF's)	Reaction			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
<i>AAC ID</i>		232585-52481				232585-52482				
<i>Date Sampled</i>		12/12/2023				12/12/2023				
<i>Date Analyzed</i>		12/13/2023				12/13/2023				
<i>Can Dilution Factor</i>		1.53			1.43					
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Chlorodifluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50	
Propene	<SRL	U	1	1.53	4.65			1.43	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	<SRL	U	1	7.63	35.6			7.13	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	4.04			3.05	21.0			2.85	2.00	
Vinyl Bromide	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50	
Acetone	3.94			3.05	12.7			2.85	2.00	
Trichlorofluoromethane	<SRL	U	1	0.76	<SRL	U	1	0.71	0.50	
2-Propanol (IPA)	<SRL	U	1	3.05	5.50			2.85	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	1.53	<SRL	U	1	1.43	1.00	
Allyl Chloride	<SRL	U	1	1.53	<SRL	U	1	1.43	1.00	
Carbon Disulfide	<SRL	U	1	3.05	<SRL	U	1	2.85	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	1.53	<SRL	U	1	1.43	1.00	
2-Butanone (MEK)	<SRL	U	1	1.53	7.48			1.43	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	12.2			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	13.2			0.71	0.50	





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

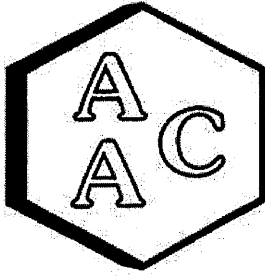
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### 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		232585-52481				232585-52482				
Date Sampled		12/12/2023				12/12/2023				
Date Analyzed		12/13/2023				12/13/2023				
Can Dilution Factor		1.53			1.43					
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	1.53	<SRL	U	1	1.43	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	1.67		1	0.71	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.53	<SRL	U	1	1.43	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	0.98		1	0.71	0.50	
m & p-Xylene	<SRL	U	1	1.53	<SRL	U	1	1.43	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		97%				99%			70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

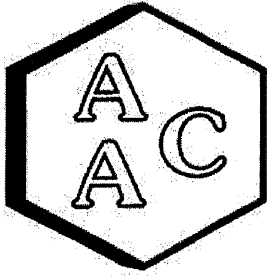
CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>Working Face</i>		<i>Sample Reporting Limit (SRL) (MRLxDF's)</i>	<i>Method Reporting Limit (MRL)</i>
<i>AAC ID</i>		<i>232585-52483</i>			
<i>Date Sampled</i>		<i>12/12/2023</i>			
<i>Date Analyzed</i>		<i>12/13/2023</i>			
<i>Can Dilution Factor</i>		<i>1.42</i>			
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>		
Chlorodifluoromethane	<SRL	U	1	0.71	0.50
Propene	<SRL	U	1	1.42	1.00
Dichlorodifluoromethane	<SRL	U	1	0.71	0.50
Chloromethane	<SRL	U	1	0.71	0.50
Dichlorotetrafluoroethane	<SRL	U	1	0.71	0.50
Vinyl Chloride	<SRL	U	1	0.71	0.50
Methanol	11.5		1	7.09	5.00
1,3-Butadiene	<SRL	U	1	0.71	0.50
Bromomethane	<SRL	U	1	0.71	0.50
Chloroethane	<SRL	U	1	0.71	0.50
Dichlorofluoromethane	<SRL	U	1	0.71	0.50
Ethanol	18.4		1	2.84	2.00
Vinyl Bromide	<SRL	U	1	0.71	0.50
Acetone	22.7		1	2.84	2.00
Trichlorofluoromethane	0.88		1	0.71	0.50
2-Propanol (IPA)	<SRL	U	1	2.84	2.00
Acrylonitrile	<SRL	U	1	0.71	0.50
1,1-Dichloroethene	<SRL	U	1	0.71	0.50
Methylene Chloride (DCM)	2.03		1	1.42	1.00
Allyl Chloride	<SRL	U	1	1.42	1.00
Carbon Disulfide	<SRL	U	1	2.84	2.00
Trichlorotrifluoroethane	<SRL	U	1	0.71	0.50
trans-1,2-Dichloroethene	<SRL	U	1	0.71	0.50
1,1-Dichloroethane	<SRL	U	1	0.71	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	1	0.71	0.50
Vinyl Acetate	<SRL	U	1	1.42	1.00
2-Butanone (MEK)	<SRL	U	1	1.42	1.00
cis-1,2-Dichloroethene	<SRL	U	1	0.71	0.50
Hexane	<SRL	U	1	0.71	0.50
Chloroform	<SRL	U	1	0.71	0.50
Ethyl Acetate	<SRL	U	1	0.71	0.50
Tetrahydrofuran	<SRL	U	1	0.71	0.50
1,2-Dichloroethane	<SRL	U	1	0.71	0.50
1,1,1-Trichloroethane	<SRL	U	1	0.71	0.50
Benzene	<SRL	U	1	0.71	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : SCS Engineers  
 PROJECT NO : 232585  
 MATRIX : AIR  
 UNITS : PPB (v/v)

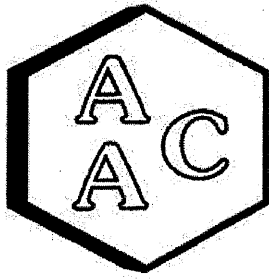
DATE RECEIVED : 12/12/2023  
 DATE REPORTED : 12/14/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>Working Face</i>			<b>Sample Reporting Limit (SRL) (MRLxDF's)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		232585-52483				
<i>Date Sampled</i>		12/12/2023				
<i>Date Analyzed</i>		12/13/2023				
<i>Can Dilution Factor</i>		1.42				
<i>Compound</i>	<i>Result</i>	<i>Qualifier</i>	<i>Analysis DF</i>			
Carbon Tetrachloride	<SRL	U	1	0.71	0.50	
Cyclohexane	<SRL	U	1	0.71	0.50	
1,2-Dichloropropane	<SRL	U	1	0.71	0.50	
Bromodichloromethane	<SRL	U	1	0.71	0.50	
1,4-Dioxane	<SRL	U	1	1.42	1.00	
Trichloroethene (TCE)	<SRL	U	1	0.71	0.50	
2,2,4-Trimethylpentane	<SRL	U	1	0.71	0.50	
Heptane	<SRL	U	1	0.71	0.50	
cis-1,3-Dichloropropene	<SRL	U	1	0.71	0.50	
4-Methyl-2-pentanone (MiBK)	<SRL	U	1	0.71	0.50	
trans-1,3-Dichloropropene	<SRL	U	1	0.71	0.50	
1,1,2-Trichloroethane	<SRL	U	1	0.71	0.50	
Toluene	<SRL	U	1	0.71	0.50	
2-Hexanone (MBK)	<SRL	U	1	1.42	1.00	
Dibromochloromethane	<SRL	U	1	0.71	0.50	
1,2-Dibromoethane	<SRL	U	1	0.71	0.50	
Tetrachloroethene (PCE)	<SRL	U	1	0.71	0.50	
Chlorobenzene	<SRL	U	1	0.71	0.50	
Ethylbenzene	<SRL	U	1	0.71	0.50	
m & p-Xylene	<SRL	U	1	1.42	1.00	
Bromoform	<SRL	U	1	0.71	0.50	
Styrene	1.09		1	0.71	0.50	
1,1,2,2-Tetrachloroethane	<SRL	U	1	0.71	0.50	
o-Xylene	<SRL	U	1	0.71	0.50	
4-Ethyltoluene	<SRL	U	1	0.71	0.50	
1,3,5-Trimethylbenzene	<SRL	U	1	0.71	0.50	
1,2,4-Trimethylbenzene	<SRL	U	1	0.71	0.50	
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	1	0.71	0.50	
1,3-Dichlorobenzene	<SRL	U	1	0.71	0.50	
1,4-Dichlorobenzene	<SRL	U	1	0.71	0.50	
1,2-Dichlorobenzene	<SRL	U	1	0.71	0.50	
1,2,4-Trichlorobenzene	<SRL	U	1	0.71	0.50	
Hexachlorobutadiene	<SRL	U	1	0.71	0.50	
BFB-Surrogate Std. % Recovery			97%		70-130%	

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





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 12/13/2023  
 MATRIX : High Purity N<sub>2</sub>  
 UNITS : PPB (v/v)

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

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

- Continuing Calibration Verification of the 11/30/2023 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.40	9.65	103
Chlorodifluoromethane	10.30	8.90	86
Propene	10.70	7.50	70
Dichlorodifluoromethane	10.40	10.29	99
Dimethyl Ether	10.20	8.01	79
Chloromethane	10.50	8.11	77
Dichlorotetrafluoroethane	10.20	10.01	98
Vinyl Chloride	10.60	9.16	86
Acetaldehyde	21.00	17.06	81
Methanol	19.00	17.35	91
1,3-Butadiene	10.70	9.01	84
Bromomethane	10.40	9.98	96
Chloroethane	10.40	8.89	85
Dichlorofluoromethane	10.20	9.23	90
Ethanol	11.40	9.73	85
Vinyl Bromide	10.10	9.89	98
Acrolein	10.90	9.43	87
Acetone	10.60	9.14	86
Trichlorofluoromethane	10.50	10.31	98
2-Propanol (IPA)	11.00	9.22	84
Acrylonitrile	11.00	9.85	90
1,1-Dichloroethene	10.50	10.00	95
Methylene Chloride (DCM)	10.40	9.49	91
TertButanol (TBA)	11.10	9.80	88
Allyl Chloride	10.20	8.76	86
Carbon Disulfide	10.50	9.82	94
Trichlorotrifluoroethane	10.30	9.79	95
trans-1,2-Dichloroethene	10.80	10.74	99
1,1-Dichloroethane	10.70	9.60	90
Methyl Tert Butyl Ether (MTBE)	10.70	9.61	90
Vinyl Acetate	11.00	9.02	82
2-Butanone (MEK)	10.70	9.81	92
cis-1,2-Dichloroethene	10.70	10.59	99
Hexane	10.80	9.48	88
Chloroform	10.70	10.10	94
Ethyl Acetate	10.70	8.73	82
Tetrahydrofuran	10.40	9.22	89
1,2-Dichloroethane	10.60	9.76	92
1,1,1-Trichloroethane	10.50	9.88	94
Benzene	10.70	10.05	94
Carbon Tetrachloride	10.30	9.91	96
Cyclohexane	10.50	9.62	92

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
1,2-Dichloropropane	10.70	9.16	86
Bromodichloromethane	10.50	9.98	95
1,4-Dioxane	10.50	9.86	94
Trichloroethene (TCE)	10.50	10.30	98
2,2,4-Trimethylpentane	10.10	8.73	86
Methyl Methacrylate	11.00	9.67	88
Heptane	10.50	9.93	95
cis-1,3-Dichloropropene	10.50	9.34	89
4-Methyl-2-pentanone (MiBK)	10.50	9.00	86
trans-1,3-Dichloropropene	10.60	9.65	91
1,1,2-Trichloroethane	10.60	9.77	92
Toluene	10.80	10.13	94
2-Hexanone (MBK)	10.50	9.19	88
Dibromochloromethane	10.60	9.90	93
1,2-Dibromoethane	10.60	10.11	95
Tetrachloroethene (PCE)	10.50	10.23	97
Chlorobenzene	10.80	10.32	96
Ethylbenzene	10.60	10.05	95
m & p-Xylene	21.20	19.92	94
Bromoform	10.60	9.89	93
Styrene	10.60	10.05	95
1,1,2,2-Tetrachloroethane	10.60	9.37	88
o-Xylene	10.60	9.83	93
1,2,3-Trichloropropane	11.00	10.67	97
Isopropylbenzene (Cumene)	10.40	9.85	95
α-Pinene	10.80	8.83	82
2-Chlorotoluene	10.30	10.19	99
n-Propylbenzene	10.10	9.75	97
4-Ethyltoluene	10.40	9.89	95
1,3,5-Trimethylbenzene	10.30	9.88	96
β-Pinene	10.90	13.49	124
1,2,4-Trimethylbenzene	10.30	9.80	95
Benzyl Chloride (a-Chlorotoluene)	10.30	8.25	80
1,3-Dichlorobenzene	10.30	10.06	98
1,4-Dichlorobenzene	10.20	9.97	98
Sec-ButylBenzene	10.10	9.41	93
1,2-Dichlorobenzene	10.40	10.13	97
n-ButylBenzene	10.30	9.54	93
1,2-Dibromo-3-Chloropropane	10.30	9.16	89
1,2,4-Trichlorobenzene	10.50	9.86	94
Naphthalene	10.90	10.53	97
Hexachlorobutadiene	10.80	9.29	86

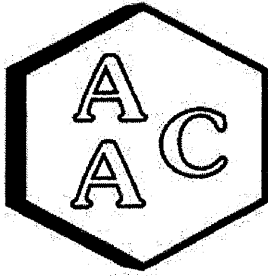
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> 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 : 12/13/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

CALIBRATION STD ID : MS1-112823-01

ANALYST : DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

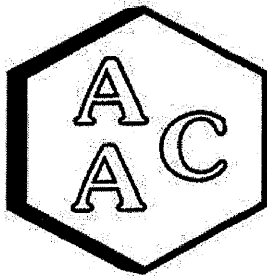
<i>System Monitoring Compounds</i>	<i>Sample Concentration</i>	<i>Spike Added</i>	<i>LCS<sup>1</sup> Recovery</i>	<i>LCSD<sup>1</sup> Recovery</i>	<i>LCS<sup>1</sup> % Recovery<sup>2</sup></i>	<i>LCSD<sup>1</sup> % Recovery<sup>2</sup></i>	<i>RPD<sup>3</sup></i>
4-BFB (surrogate standard)	0.0	9.40	9.65	9.55	103	102	1.0
1,1-Dichloroethene	0.0	10.50	10.00	9.81	95	93	1.9
Methylene Chloride (DCM)	0.0	10.40	9.49	9.21	91	89	3.0
Benzene	0.0	10.70	10.05	9.99	94	93	0.6
Trichloroethene (TCE)	0.0	10.50	10.30	10.17	98	97	1.3
Toluene	0.0	10.80	10.13	10.11	94	94	0.2
Tetrachloroethene (PCE)	0.0	10.50	10.23	10.29	97	98	0.6
Chlorobenzene	0.0	10.80	10.32	10.30	96	95	0.2
Ethylbenzene	0.0	10.60	10.05	9.93	95	94	1.2
m & p-Xylene	0.0	21.20	19.92	19.71	94	93	1.1
o-Xylene	0.0	10.60	9.83	9.81	93	93	0.2

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> 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 : 12/13/2023  
 MATRIX : High Purity He or N<sub>2</sub>  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04  
 ANALYST : DL

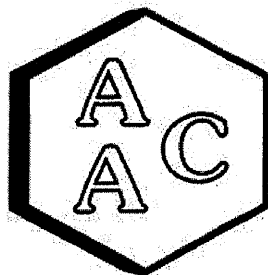
### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15 Method Blank Analysis

Analyte Compounds	MB 121323	Reporting Limit (RL)
4-BFB (surrogate standard)	97%	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 121323	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 : 12/13/2023

MATRIX : Air

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-04

ANALYST : DL

DILUTION FACTOR<sup>1</sup> : x1.42

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 232585-52468

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	9.26	9.20	0.7
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	1.06	1.02	4.1
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	<SRL	NA
Methanol	10.8	10.8	0.3
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	42.9	40.6	5.5
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	7.22	7.04	2.6
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	0.85	0.82	3.4
Tetrahydrofuran	0.75	0.81	7.3
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	0.77	0.77	0.0
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
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
m-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

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



232585



**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@aacdab.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

<b>Client/Company Name</b> SCS ENGINEERS Project Manager Name PAUL SCHAFER	<b>Project Name</b> CHIQUITA [ ON / OFF ] <b>Project Number</b> 01204123.21 TASK 22	<b>AAC Project No.:</b> Send Report To (Name/Email/Address) pschafer@scsengineers.com rhuff@scsengineers.com
---	--	---

<b>Turnaround Time</b> <input type="checkbox"/> Rush 24 h <input type="checkbox"/> Same Day <input type="checkbox"/> Rush 48 h <input type="checkbox"/> 5 Days <input checked="" type="checkbox"/> Rush 72 h <input type="checkbox"/> Normal	<b>Sampler Name</b> Print: <i>Armando Hurtado</i> Signature: <i>[Signature]</i>	<b>Send Invoice To (Name/Email/Address)</b> <b>PO Number</b>
---	---	---

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	EDD?
MS-06	52467	12/12	1147	Sulfur 1	X	X	
MS-07	52468		1000		X	X	
MS-08	52469		0931		X	X	
MS-09	52470		0920		X	X	
MS-10	52471		0909		X	X	
MS-11	52472		1206		X	X	
MS-12	52473		0939		X	X	
Chiquito Cyn Rd	52474		0952		X	X	
5 End Lincoln	52475		0945		X	X	
SCV	52476		0858		X	X	

Client Notes/Special Instructions:

<b>Relinquished By</b> Print: <i>Armando Hurtado</i> Signature: <i>[Signature]</i>	<b>Date</b> 12/12	<b>Received By</b> Print: _____ Signature: _____	<b>Date</b> 12/12
<b>Relinquished By</b> Print: _____ Signature: _____	<b>Date</b> 1330	<b>Received By</b> Print: _____ Signature: _____	<b>Date</b> 12/12
<b>Signature:</b>	<b>Time</b>	<b>Signature:</b>	<b>Time</b>

232585



**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@aacalab.com · 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS  
**Project Manager Name**  
PAUL SCHAFER

**Project Name**  
CHIOUITA [ON / OFF ]  
**Project Number**  
01204123.21 TASK 22

**AAC Project No.:**  
**Send Report To (Name/Email/Address)**  
pschafer@scsengineers.com  
rhuff@scsengineers.com

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

**Sampler Name**  
Print: *Armando Hurtado*  
**Signature:** *[Signature]*

**Send Invoice To (Name/Email/Address)**  
**PO Number**

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	Analysis Requested	EDD?
MS-01	52477	12/12	1116	Sulfur 1	307.91 SULFUR	
MS-02	52478		1116		TO-15 FULL LIST	
MS-03	52479		1139			
MS-04	52480		1053			
MS-05	52481		1018			
Reaction	52482		1103			
Working face	52483	✓	1127			

**Client Notes/Special Instructions:**

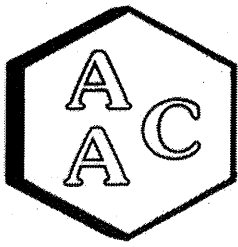
**Relinquished By**  
Print: *Armando Hurtado*  
**Signature:** *[Signature]*

**Received By**  
Print: \_\_\_\_\_  
**Signature:** *[Signature]*

**Date** 12/12

**Time** 1330

**EDD?**  
 Yes  
 No



# Atmospheric Analysis & Consulting, Inc.

CLIENT : SCS Engineers  
PROJECT NAME : Chiquita [ ON / OFF ]  
PROJECT NUMBER : 01204123.21 TASK 22  
AAC PROJECT NO. : 232585  
REPORT DATE : 12/18/2023

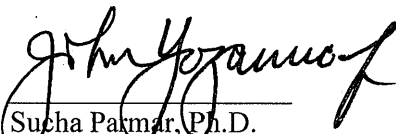
On December 12<sup>th</sup> 2023, Atmospheric Analysis & Consulting, Inc. received seventeen (17) Six-Liter Silonite Canisters for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure	Client ID	Lab No.	Return Pressure
MS-06	232585-52467	237.5	SCV	232585-52476	736.0
MS-07	232585-52468	719.5	MS-01	232585-52477	718.5
MS-08	232585-52469	742.0	MS-02	232585-52478	715.0
MS-09	232585-52470	736.0	MS-03	232585-52479	719.0
MS-10	232585-52471	752.5	MS-04	232585-52480	704.0
MS-11	232585-52472	687.0	MS-05	232585-52481	669.5
MS-12	232585-52473	739.5	Reaction	232585-52482	711.5
Chiquita Cyn Rd	232585-52474	767.5	Working Face	232585-52483	720.5
S End Lincoln	232585-52475	739.0			

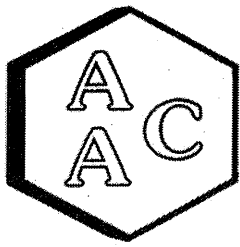
This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at [www.aaclab.com](http://www.aaclab.com).

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 Pakmar, Ph.D.  
Technical Director

This report consists of 8 pages.



# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

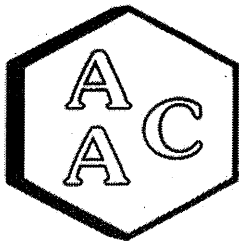
CLIENT : SCS Engineers  
 PROJECT NO. : 232585  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 12/12/2023  
 RECEIVING DATE : 12/12/2023  
 ANALYSIS DATE : 12/15/2023  
 REPORT DATE : 12/18/2023

### Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	MS-06	MS-07	MS-08	MS-09	MS-10	MS-11
AAC ID	232585-52467	232585-52468	232585-52469	232585-52470	232585-52471	232585-52472
Canister Dil. Fac.	4.3	1.4	1.4	1.4	1.4	1.5
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
COS / SO2	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Methyl Mercaptan	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Ethyl Mercaptan	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Dimethyl Sulfide	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Carbon Disulfide	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Isopropyl Mercaptan	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
tert-Butyl Mercaptan	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
n-Propyl Mercaptan	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Methylethylsulfide	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
sec-Butyl Mercaptan / Thiophene	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
iso-Butyl Mercaptan	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Diethyl Sulfide	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
n-Butyl Mercaptan	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Dimethyl Disulfide	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
2-Methylthiophene	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
3-Methylthiophene	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Tetrahydrothiophene	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Bromothiophene	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Thiophenol	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Diethyl Disulfide	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Total Unidentified Sulfur	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015
Total Reduced Sulfurs	< 0.043	< 0.014	< 0.014	< 0.014	< 0.014	< 0.015

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



**LABORATORY ANALYSIS REPORT**

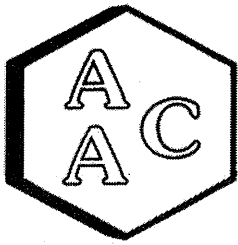
CLIENT : SCS Engineers  
 PROJECT NO. : 232585  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 12/12/2023  
 RECEIVING DATE : 12/12/2023  
 ANALYSIS DATE : 12/15/2023  
 REPORT DATE : 12/18/2023

**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	232585-52473	232585-52474	232585-52475	232585-52476	232585-52477	232585-52478
Canister Dil. Fac.	1.4	1.3	1.4	1.4	1.4	1.4
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
COS / SO2	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Methyl Mercaptan	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Ethyl Mercaptan	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Dimethyl Sulfide	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Carbon Disulfide	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Isopropyl Mercaptan	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
tert-Butyl Mercaptan	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
n-Propyl Mercaptan	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Methylethylsulfide	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
sec-Butyl Mercaptan / Thiophene	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
iso-Butyl Mercaptan	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Diethyl Sulfide	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
n-Butyl Mercaptan	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Dimethyl Disulfide	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
2-Methylthiophene	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
3-Methylthiophene	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Tetrahydrothiophene	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Bromothiophene	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Thiophenol	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Diethyl Disulfide	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Total Unidentified Sulfur	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
Total Reduced Sulfurs	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



**LABORATORY ANALYSIS REPORT**

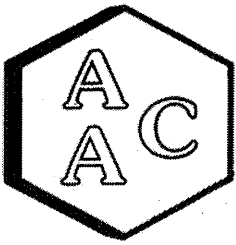
CLIENT : SCS Engineers  
 PROJECT NO. : 232585  
 MATRIX : AIR  
 UNITS : ppmv

SAMPLING DATE : 12/12/2023  
 RECEIVING DATE : 12/12/2023  
 ANALYSIS DATE : 12/15/2023  
 REPORT DATE : 12/18/2023

**Total Reduced Sulfur Compounds by SCAQMD 307.91**

Client ID	MS-03	MS-04	MS-05	Reaction	Working Face
AAC ID	232585-52479	232585-52480	232585-52481	232585-52482	232585-52483
Canister Dil. Fac.	1.4	1.4	1.5	1.4	1.4
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
COS / SO2	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Methyl Mercaptan	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Ethyl Mercaptan	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Dimethyl Sulfide	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Carbon Disulfide	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Isopropyl Mercaptan	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
tert-Butyl Mercaptan	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
n-Propyl Mercaptan	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Methylethylsulfide	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
sec-Butyl Mercaptan / Thiophene	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
iso-Butyl Mercaptan	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Diethyl Sulfide	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
n-Butyl Mercaptan	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Dimethyl Disulfide	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
2-Methylthiophene	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
3-Methylthiophene	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Tetrahydrothiophene	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Bromothiophene	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Thiophenol	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Diethyl Disulfide	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Total Unidentified Sulfur	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014
Total Reduced Sulfurs	< 0.014	< 0.014	< 0.015	< 0.014	< 0.014

All unidentified compound's concentrations expressed in terms of H<sub>2</sub>S  
 Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.



# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 12/15/2023  
Analyst: KM  
Units: ppbV

Instrument ID : SCD#10  
Calb. Date: : 07/11/2022

### Opening Calibration Verification Standard

*499.8 ppbV H2S (SSI 289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	1810	491	98.3	1.6
Duplicate	1835	498	99.6	0.3
Triplicate	1875	509	101.8	1.9

*547.5 ppbV H2S (SSI 289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2360	547	100.0	0.3
Duplicate	2401	557	101.7	2.0
Triplicate	2301	534	97.5	2.3

*479.0 ppbV H2S (SSI 289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	2434	460	96.1	1.5
Duplicate	2532	479	99.9	2.4
Triplicate	2449	463	96.7	0.9

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231187-45761

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 231438-46986 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	249.9	251.5	266.1	100.6	106.5	5.7
MeSH	<PQL	273.8	277.0	268.8	101.2	98.2	3.0
DMS	<PQL	239.5	246.6	259.9	103.0	108.5	5.2

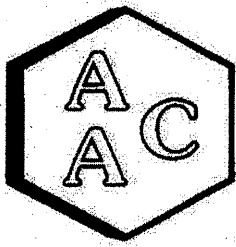
### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	499.8	494.8	99.0
MeSH	547.5	593.1	108.3
DMS	479.0	505.6	105.6

\* Must be 95-105%, \*\* Must be 90-110%, \*\*\* Must be < 10%, \*\*\*\* Must be < 5% RPD fro. ssAS

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





# Atmospheric Analysis & Consulting, Inc

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 12/15/2023  
Analyst: CM/KM  
Units: ppmV

Instrument ID : SCD-BTU  
Calb. Date: : 6/13/23

### Opening Calibration Verification Standard

*0.500 ppbV H2S (SS1289)*

H <sub>2</sub> S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	855	0.492	98.4	1.2
Duplicate	875	0.504	100.8	1.2
Triplicate	865	0.498	99.6	0.0

*0.348 ppbV MeSH (SS1289)*

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	904	0.549	100.4	0.2
Duplicate	901	0.548	100.0	0.2
Triplicate	903	0.549	100.2	0.0

*0.479 ppbV DMS (SS1289)*

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	892	0.492	102.7	3.8
Duplicate	835	0.461	96.2	2.8
Triplicate	850	0.469	97.8	1.1

### Method Blank

Analyte	Result
H <sub>2</sub> S	<PQL
MeSH	<PQL
DMS	<PQL

### Duplicate Analysis

Sample ID 231721-48283

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H <sub>2</sub> S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

### Matrix Spike & Duplicate

231721-48283 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H <sub>2</sub> S	<PQL	0.250	0.263	0.251	105.3	100.5	4.7
MeSH	<PQL	0.274	0.292	0.274	106.7	100.1	6.4
DMS	<PQL	0.240	0.247	0.247	103.1	103.1	0.0

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H <sub>2</sub> S	0.500	0.545	109.1
MeSH	0.548	0.562	102.6
DMS	0.479	0.488	101.9

\* 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

232585



**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: CHIOUITA [ 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]

Client Sample Name	Sample ID	Sampling Date	Sampling Time	Container Type/Qty	307.91 SULFUR	TO-15 FULL LIST	EDD?	LAB USE ONLY
MS-06	52467	12/12	1147	Substrate 1	X	X		Sample Received
MS-07	52468		1000		X	X		Lab ID
MS-08	52469		0931		X	X		Element
MS-09	52470		0920		X	X		Count
MS-10	52471		0909		X	X		Temperature
MS-11	52472		1206		X	X		Method
MS-12	52473		0939		X	X		Integrals
Chiquito Cyn Rd	52474		0952		X	X		Raw Data
5 End Lincoln	52475		0945		X	X		Raw Control
SCV	52476		0858		X	X		

Client Notes/Special Instructions:

Relinquished By: Print: Armando Hurtado  
 Signature: [Signature]  
 Relinquished By: Print: [Signature]  
 Signature: [Signature]

Date: 12/12  
 Time: 1330  
 Received By: Print: [Signature]  
 Signature: [Signature]

Date: 12/12  
 Time: 1330  
 Received By: Print: [Signature]  
 Signature: [Signature]

EDD?  Yes  No

Date: 12/12  
 Time: 1330

17e as

232585



**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@aadlab.com - 1534 Eastman Ave Suite A, Ventura, CA 93003

**Client/Company Name**  
SCS ENGINEERS  
**Project Manager Name**  
PAUL SCHAFER

**Project Name**  
CHIQUITA  
**Project Number**  
01204123.21 TASK 22

**Analysis Requested**

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

**Sampler Name**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**AAC Project No.:**  
Send Report To (Name/Email/Address)  
pschaf@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	TO-15 FULL LIST
MS-01	52477	12/12	1116	Sealed 1	X	X
MS-02	52478		1116		X	X
MS-03	52479		1139		X	X
MS-04	52480		1053		X	X
MS-05	52481		1018		X	X
Reaction	52482		1103		X	X
Working Face	52483		1127		X	X

**Client Notes/Special Instructions:**

**Relinquished By**  
Print: *Armando Hurtado*  
Signature: *Armando Hurtado*

**Received By**  
Print: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: 12/12  
Time: 1330

**Relinquished By**  
Print: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

**EDD?**  
 Yes  
 No  
Date: 12/12/23  
Time: 1330

**LAB USE ONLY**

Sample Received: \_\_\_\_\_  
 Petes  
 Elips  
 Sures  
 Date: \_\_\_\_\_  
 Temperature: \_\_\_\_\_  
 ID: \_\_\_\_\_  
 (Method): \_\_\_\_\_  
 Analytical Sheet  
 Total Ions: \_\_\_\_\_  
 Unread Cells: \_\_\_\_\_  
 New Controllers: \_\_\_\_\_