### Appendices

# Appendix I2: Limited Phase II ESA

### Appendices

This page intentionally left blank.



November 27, 2023

Gary Jones Lennar Homes of California, Inc. 2000 FivePoint, Suite 315 Irvine, CA 92618

Subject: Results of Limited Site Investigation 1698-1700 Greenbriar Lane Brea, California 92821 EAI Project No. 80.LNRGRN2.23

EnviroApplications, Inc., (*EAI*) has prepared this report providing the results of a limited Phase II site investigation conducted at the subject property (**Figure 1**). The investigation was performed for environmental due diligence in connection with a proposed real estate transaction. This report contains details of the investigation performed including *EAI*'s findings, conclusions, and recommendations.

### SITE BACKGROUND

The subject property consists of one irregular-shaped parcel totaling approximately 9.7 acres. The property is occupied by three, roughly rectangular office buildings totaling approximately 84,000 square feet, a multilevel parking structure totaling approximately 47,000 square feet, and associated parking lots and landscaping (**Figure 2**).

The subject property is located in a mixed residential and commercial area, immediately east and adjacent to Highway 57. The property is bound to the north by Greenbriar Lane and residences; to the east by South Associated Road and residences, and to the south by Brea Plaza Shopping Center (**Figure 2**). The property is currently occupied by the offices of the Mercury Insurance Group.

During the course of *EAI's* Phase I ESA conducted in October 2023, the subject property was identified under Mercury Insurance Group in the following environmental databases: FINDS, ECHO, RCRA NonGen/NLR, UST, HWTS, HAZNET, CERS Tanks, CIWQS, and CERS. Based on database listings and agency records obtained, there are two diesel USTs on-site (2,000-gallon and a 3,000-gallon double-walled fiberglass) that were installed in 2001 to power on-site emergency generators. The two diesel USTs (located directly north and south of the buildings) represent a material threat of a release of hazardous substances, and are therefore considered an ASTM REC. Therefore, additional investigation was recommended to rule out potential subsurface soil impacts related to the UST's, along with potential vapor intrusion to on-site occupants

### FIELD ACTIVITIES

Prior to conducting field activities, *EAI* staff coordinated site access with the property owner's designated contact and mobilized to the subject property to mark the borings for public utility clearance (DigAlert notification). Additionally, subject site utility locating services were provided by ULS CA Inc. (ULS), vapor probe installation (i.e., drilling) by H&P Mobile Geochemistry, Inc. (H&P) and laboratory services by Eurofins Calscience (soil samples) and H&P (vapor samples).

### Geophysical Survey

On November 1, 2023, a geophysical survey was conducted by ULS on the subject property. The purpose of the geophysical survey was to identify any underground utilities or obstructions that might conflict and/or interfere with subsurface drilling and soil sampling. A combination of electromagnetic induction (EM) magnetometry and ground penetrating radar (GPR) were applied to the search area. Utility locating equipment with line tracing capabilities were also utilized, where necessary.

The findings of ULS's investigation were marked on the ground cover at the site using multi-colored spray paint and subsequently photographed. No evidence of a utility conflict was found. A copy of ULS's geophysical report is attached.

### Soil Investigation

On November 1, 2023, *EAI* supervised soil boring installation and sampling of four soil borings to evaluate subsurface conditions beneath the subject property UST's and identify possible impacts related to fuel hydrocarbons. A truck-mounted Strataprobe Direct Push drill rig was used to conduct the soil sampling at locations SV-1 and SV-2, located adjacent to the southern UST location (**Figure 3**). Due to access limitations, borings SV-3 and SV-4, located adjacent to the northern UST Location, were drilled using a 3.25-inch diameter hand auger.

Soil samples were collected from borings SV-1 and SV-2 at depths of 10 and 15 feet below ground surface (bgs), and from borings SV-3 and SV-4 at 10 feet bgs. Samples were collected from borings SV-1 and SV-2 in acetate liners, while samples from SV-3 and SV-4 were collected in laboratory supplied 4-ounce glass jars. In both cases, the sample containers were sealed with Teflon-lines caps/lids, labeled, and delivered under chain-of-custody documentation to Eurofins Calscience in Tustin, California, for laboratory analysis.Soils encountered during this investigation consisted of light brown, fine to medium-grained silty sand. Soil encountered was moist, with no noticeable hydrocarbon odor or staining.

### Soil Vapor Investigation

On November 1, 2023, *EAI* supervised the installation and sampling of four (4) single-depth temporary vapor sampling points, identified as SV-1 through SV-4 (**Figure 3**). SV-1 and SV-2 were installed in the existing boreholes at a depth of 5 feet bgs adjacent to the southern UST location, on the southern and northern ends of UST, respectively. SV-3 and SV-4 were installed at a depth of 5 feet in separate boreholes adjacent to northern UST location, on the western and eastern ends of the UST, respectively.

Sampling points were installed using a steel rod driven to the total depth by a Geoprobe direct-push drill rig (SV-1 and SV-2) or hand-held rotary-hammer drill (SV-3 and SV-4). Once the total depth had been reached, the steel rod was removed, and the vapor probe constructed in the open borehole. The soil gas probe installation was performed in accordance with the Department of Toxic Substances Control (DTSC/California Regional Water Quality Control Board - Los Angeles Region "Advisory - Active Soil Gas Investigations" guidance, dated February 2020.

Soil vapor probe implants consisted of a 1-inch-long polyethylene filter element placed at the total depth and connected to 1/8-inch diameter Nylaflow® tubing that extended to the ground surface. Each filter element was placed within an approximate 1-foot thick #3 sand filter pack followed by 6-inches of dry granular bentonite. Following placement of the dry bentonite, the remainder of each borehole was backfilled with the hydrated bentonite. Probe surface completion consisted of a two-way gas tight sample valve.

Soil gas probes were then left in the ground for a minimum of 120 minutes following installation to allow for subsurface conditions to equilibrate. Following the 2-hour equilibration period and after purging 3 volumes of air out of the soil vapor points, the vapor samples were collected into 400mL summa canisters at a rate of 200mL/min or less in general accordance with current DTSC Guidance. Once the soil vapor samples were collected, the cannisters were transported to the laboratory under chain-of-custody (COC) documentation. Following sample, the vapor probes were removed and the surface sealed.

### LABORATORY ANALYTICAL PROGRAM AND RESULTS

The soil samples collected were submitted for laboratory testing and analyzed for Volatile Organic Compounds (VOCs) by EPA Method 5035/8260B and Total Petroleum Hydrocarbons (TPH) by EPA Method 8015M [C6-C36]. **Table 1** summarizes the laboratory analytical results and applicable screening values, while complete laboratory analytical reports with COC documentation are attached.

• There were no reported detections of TPH or VOCs in soil samples.

The soil vapor samples collected were analyzed for Volatile Organic Compounds (VOCs) by USEPA Test TO-15. Detected VOC concentrations were compared to the Human Health Risk Assessment (Human and Ecological Risk Office [HERO]) Note 3 – Department of Toxic Substances Control modified screening levels for Commercial Air, June 2020 (discussed in detail in the following section). A summary of the laboratory analytical results is provided in the attached **Table 2**. The following bulleted items summarize notable findings:

- Benzene was detected in soil vapor samples SV-1 and SV-2. Reported concentrations range from 13 micrograms per cubic meter ( $\mu g/m^3$ ) in SV-1 to 15  $\mu g/m^3$  in SV-2. The benzene concentration in sample at SV-2 exceeds the calculated commercial soil gas screening level of 14  $\mu g/m^3$ .
- Toluene was detected in all soil vapor samples. The reported concentrations of toluene range from 5.0  $\mu$ g/m<sup>3</sup> in SV-3 to 48  $\mu$ g/m<sup>3</sup> in SV-2. These concentrations are below the commercial soil gas screening level for toluene of 44,000  $\mu$ g/m<sup>3</sup>.
- Ethylbenzene was detected in soil vapor samples SV-1 and SV-2. The reported concentrations of ethylbenzene range from 6.7  $\mu$ g/m<sup>3</sup> in SV-1 to 7.3  $\mu$ g/m<sup>3</sup> in SV-2. The commercial soil gas screening level for ethylbenzene is 160  $\mu$ g/m<sup>3</sup>.
- Xylenes were detected in soil vapor samples SV-1 and SV-2, at concentrations of 28.6 µg/m<sup>3</sup> in SV-1 and 31.8 µg/m<sup>3</sup> in SV-2. The commercial soil gas screening level for xylenes is 15,000 µg/m<sup>3</sup>.
- Tetrachloroethene (PCE) was detected in soil vapor sample SV-4 at 530  $\mu$ g/m<sup>3</sup> exceeding the PCE commercial soil gas screening level of 67  $\mu$ g/m<sup>3</sup>.
- Trichloroethene (TCE) was not detected above the laboratory reporting limit in the samples collected.

### Supplemental Soil Vapor Testing

On November 14, 2023, *EAI* supervised the installation and sampling of three (3) additional single-depth temporary vapor sampling points, identified as SV-5 through SV-7 (**Figure 3**). The locations were selected to assess the lateral extent of PCE, previously detected in SV-4. SV-5 and SV-6 were located approximately 10 feet southwest and southeast of SV-4, respectively. SV-7 was located approximately 15 feet to the east of SV-4. Probe construction and sampling was as described above.

The results of the supplemental vapor testing are summarized below:

- Benzene was detected in the soil vapor sample collected from SV-5 at  $4.5 \,\mu g/m^3$ .
- Toluene was detected in all soil vapor samples. The reported concentrations of toluene range from  $42 \,\mu g/m^3$  in SV-6 to 56  $\mu g/m^3$  in SV-5.
- Ethylbenzene was detected in all soil vapor samples. The reported concentrations of ethylbenzene range from 6.2 μg/m<sup>3</sup> in SV-6 to 10 μg/m<sup>3</sup> in SV-5.
- Xylenes were detected in all soil vapor samples. The reported concentrations of xylenes range from  $53 \ \mu g/m^3$  in SV-6 to 77  $\ \mu g/m^3$  in SV-5.
- PCE was not detected above the laboratory reporting limit in the samples collected.
- TCE was not detected above the laboratory reporting limit in the samples collected.

### CONCLUSIONS AND RECOMMENDATIONS

*EAI* performed a Limited Site Investigation at the subject property, which consisted of the collection of soil and soil vapor samples from the vicinity of the two diesel UST locations for laboratory analytical testing. Based on the results of our investigation activities as described in this report, reported concentrations of benzene in SV-2 and PCE in SV-4 exceed the commercial soil gas screening levels.

The elevated benzene concentration is only  $1.0 \,\mu g/m^3$  above the screening level and does not appear to be in an area directly under planned residential development. Due to the concentration being only slightly above the screening level, the pending removal of the UST's, and the location of planned development, benzene does not appear to be a potential vapor intrusion concern.

The detection of PCE in SV-4 is considered an isolated occurrence in the immediate vicinity of the northern UST location that does not appear to extend to nearby boring locations SV-3, SV-6, SV-6, and SV-7. The source is likely from the use of a solvent-based cleaner during UST installation or maintenance. Since the area is beneath a proposed road location, and not beneath residential structures, PCE does not appear to be a potential vapor intrusion concern for the planned development.

No soil contamination was reported in samples collected near the two UST locations, indicating the source of the petroleum-related VOCs in soil vapor are likely from de minimis incidental spillage. Based on the soil samples collected and analyzed, there is no indication of any significant UST leakage or potential threat to groundwater. Therefore, no additional investigation is recommended at this time. Upon removal of the UST's prior to development, additional soil testing will be required per Orange County Health Care Agency requirements.

### LIMITATIONS

Findings provided herein have been derived in accordance with current standards of practice, and no warranty is expressed or implied. Standards of practice are subject to change with time. This report has been prepared for the sole use of Lennar Homes of California, Inc. (Client). Client and their lenders may rely on this report (collectively, "Reliance Parties"). Site conditions, land use (both onsite and offsite), or other factors may change due to manmade influences, and additional work may be required with the passage of time.

This evaluation should not be relied upon by other parties without the express written consent of *EAI* or Client; therefore, any use or reliance upon this environmental evaluation by a party other than the Client or the Reliance Parties, shall be solely at the risk of such third party and without legal recourse against *EAI*, its employees, officers, or directors, regardless of whether the action in which recovery of damages is brought or based upon contract, tort, statue, or otherwise. *EAI* assumes no responsibility or liability for work or testing performed by others.

If you have questions, please contact the undersigned at (805) 987-8728.

EnviroApplications, Inc.

Bernard Sentianin, PG 5530 Senior Geologist

Craig A. Smith, PG 8225 Principal

Attachments: Geophysical Survey Photos Tables Figures Laboratory Analytical Data

						SAN DIEGO/ LA / SACRAMENTO WWW.ULSSERVICES.COM		
ULS CA UTILITY LOCATION SERVICES					4275 37th	ATE ADDRESS a St., Suite 232 b, CA 92105 4222		
Work Order Agreeme	nt				FIELD SE	RVICES FOR		
Job Site Location 1700 GREENBRIAR					CALIFOR NEVADA	NIA, ARIZONA AND		
City, State BREA, CA		Job Date 11-1-23						
CLIENT ENVIRO APPLICATIONS		FIELD TIME R	EPORT			DURS W/REPORT HRS S 2 HR MINIMUM		
ADDRESS					FAXED			
CITY, STATE, ZIP					TELEPHON	NED		
PHONE/FAX	PHONE/FAX				HAND DEL	IVERED		
E-MAIL					E-MAILED			
WORK REQUESTED: UTILITY SURV	EY AT 4	PROPOSED POINT	S					
WORK PERFORMED PRELIMINARY REVIEW DRAWINGS/AS-BUILTS:						ROVIDED UTILITY		
VISUAL SITE INSPECTION (MANHOLES, DRAINS): YES SURFACE ONLY				UCTIVE UTII	ITY SURV	EY: CHECKED TER: X		
EMIMD METAL DETECTION SURVEY           AMBIENT NOISE AND SETTINGS           LOW NOISE         GAIN 6		EV LOW	EM INSERTION: NF - INSERTION METHODS NOT PROVIDED DUE TO HEALTH AND SAFETY. SEE NOTES BELOW REGARDING LATERALS					
REBAR IN CONCRETE? GPR NON-CONDUCTIVE SURVEY:			CLIENT ON-SI					
GPR NON-CONDUCTIVE SURVEY:					OF FINDIN	G3: 1E3		
		GENE GENERA	L LIMITATIC	DNS				
GENE GENERAL LIMITATIONS NOTE: The work described herein is performed to industry standards (or higher) using multiple methodology and QA/QC protocol. ULS cannot guarantee the accuracy or the ability to detect all underground facilities and potential interferences. Non- conductive or conductive utilities/facilities may not be detected due to variables and constraints beyond ULS control. Where known, constraints and limitations will be brought to the client's attention. Excavation work may result in injury to persons and/or damage to facilities. Client and/or excavator are advised to take all steps necessary to avoid contact with underground facilities. This includes, but is not limited to, safe digging practices, hand tooling in congested areas and within two feet on side of marked utilities (distance may vary by law), utility drawing review, site facilities representative review, and "one-call" utilities notification. ULS and its representatives are not responsible for injury to persons or damage to facilities. This document and accompanying pages will be delivered to the client before commencement of intrusive work for the client's review. If any questions arise, please notify our office immediately. NOTE: Specific comments/limitations/constraints, known and recognized will be recorded on attached pages (field notes). Caution some facilities (conductive or non- conductive) may not be detected. Not all limitations and constraints may be recognized.								
ULS REPRESENTATIVE ON-SITE	CHRI	S REIMER						



.....

# CLIENTENVIRO APPLICATIONSLOCATION1700 GREENBRIARDATE11-1-23

METHODS AND GENERAL OBSERVATIONS:

ARRIVED SITE AND COMPLETED H&S TAILGATE AND/OR PERMIT TO WORK WITH CLIENT. SET UP DELINEATORS AROUND VEHICLE AND NEAR BLINDSPOTS AND ENTRY WAYS. MADE GENERAL SITE WALK TO REVIEW SURVEY AREAS (PROPOSED ZONES). CHECKED FOR SURFACE UTILITY MANIFESTATIONS SUCH AS VALVES, METERS, CONDUITS, TRENCHING SEAMS, VAULT LIDS AND EXISTING ONE CALL MARKINGS. BEGAN MARKOUT WORK.

METHODS UTILIZED INCLUDE: EM PIPE AND CABLE LOCATOR USING AMBIENT, GROUND INDUCTION AND CONNECTION MODE SWEEPS. EM INDUCTION METAL DETECTOR AND GPR. A CARTISIAN GRID PATH IS WALKED AT EACH PROPOSED ZONE USING ALL METHODOLOGY. <u>OBSERVATIONS ARE MARKED WITH WHITE AND/OR PINK</u> PAINT. ZONE IS MARKED OUT WITH WHITE AND/OR PINK MARKINGS (REFER TO PHOTOS).

### SITE CALIBRATION - GENERAL OBSERVATIONS

EM PIPE AND CABLE TRANSMITTER TO RECIEVER (GROUND INDUCTION AND CONNECTION) BROADCASTING IS \_GOOD\_\_\_\_ATTENUATION EFFECTS FROM CONCRETE STEEL REINFORCEMENT NIL\_\_\_\_ EMIMD METAL DETECTOR BACKGROUND EM NOISE IS \_LOW\_\_\_\_\_ GPR PENETRATION AND RESOLUTION IS \_\_FAIR TO POOR\_\_\_\_\_.

SEE QA / QC OBSERVATION COMMENTS TO RIGHT SIDE AND SPECIFIC OBSERVATIONS / COMMENTS BELOW



# CLIENTENVIRO APPLICATIONSLOCATION1700 GREENBRIARDATE11-1-23

### SPECIFIC OBSERVATIONS AND COMMENTS OR CONCERNS:

PROPOSED :

#1 AND #2 - NO SIGNALS FOUND IN CONFLICT. NATURAL GAS FROM METER EAST OF AREA REMAINS AWY FROM POINTS.

#3 – NO SIGNALS FOUND IN CONFLICT HOWEVER CAUTION IS ADVISED FOR POSSIBLE VENT LINE THAT COULD NOT BE LOCATED WITH EM OR GPR.

#4 – CAUTION FOR ELECTRIC TRENDING EAST TO WEST IN SLOPE APPROX 2' TO 3' NORTH OF PROPOSED POINT

ALL FOUR POINTS ARE MARKED AWAY FROM WHAT APPEARS AS THE TANK PITS AND GPR SHOWED RESPONSE CONSISTENT WITH A TANK WITHIN THOSE LIMITS.

END REPORT/ PHOTO EDITS ATTACHED

LOCATE ENERGY ISOLATION POINTS FOR ALL UTILITIES AT THIS SITE AS WELL AS CONTACT USA/DIG ALERT BEFORE ANY INTRUSIVE WORK

QA/QC
SITE WALK
VISUALS
UTILITY MAINS
ELECTRIC – IN PLANTER NORTH OF #3 AND #4
TELEPHONE – NONE OBSERVED
NAT GAS – REMAINS AWAY FROM #1 AND #2
WATER – CAUTION FOR PVC IRRIGATION
SEWER/STORM – IN STREET
SEWER LATERAL – NO C/O'S OBSERVED
OTHER
FUELS SYSTEM
USTS
PIPING

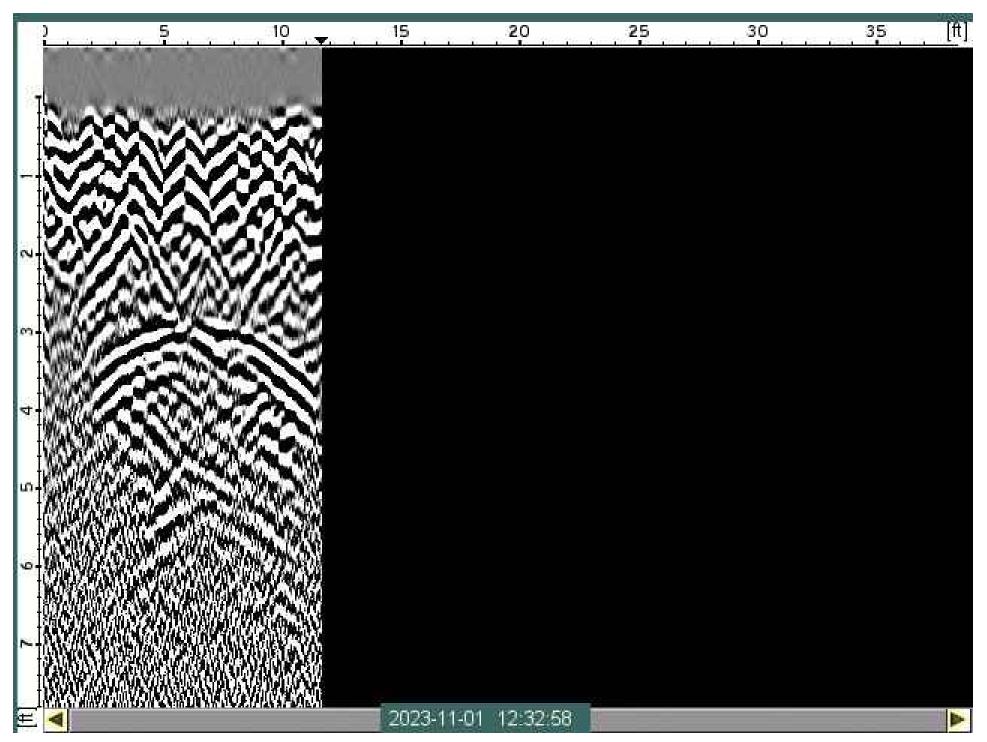














View looking south toward boring locations SV-1 and SV-2.

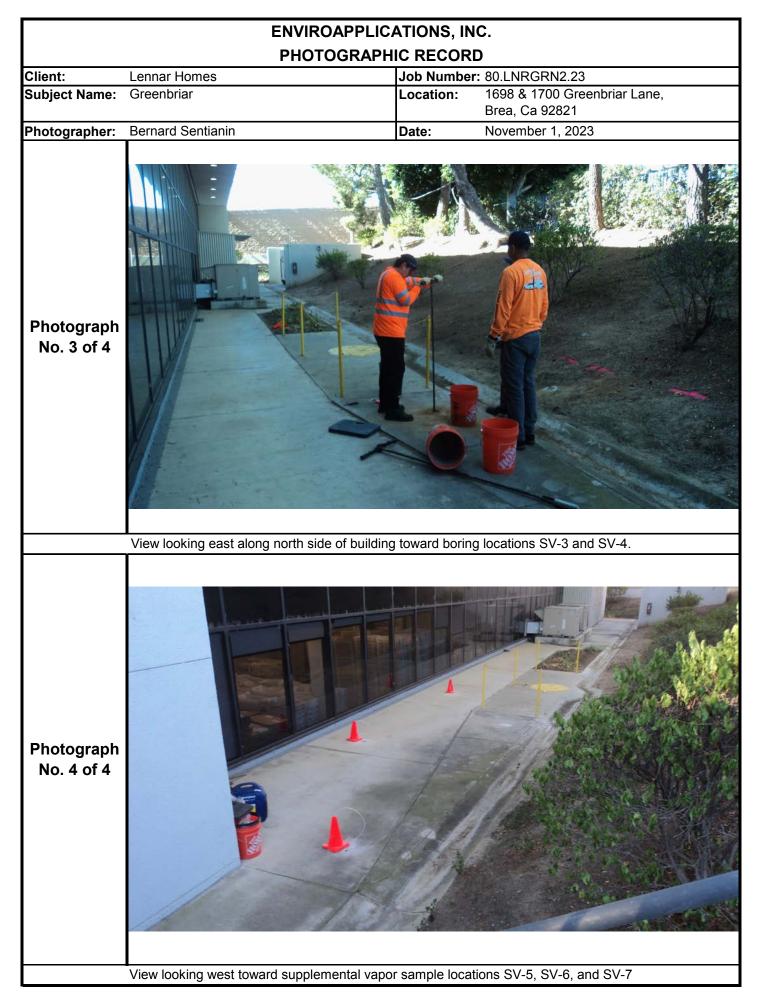
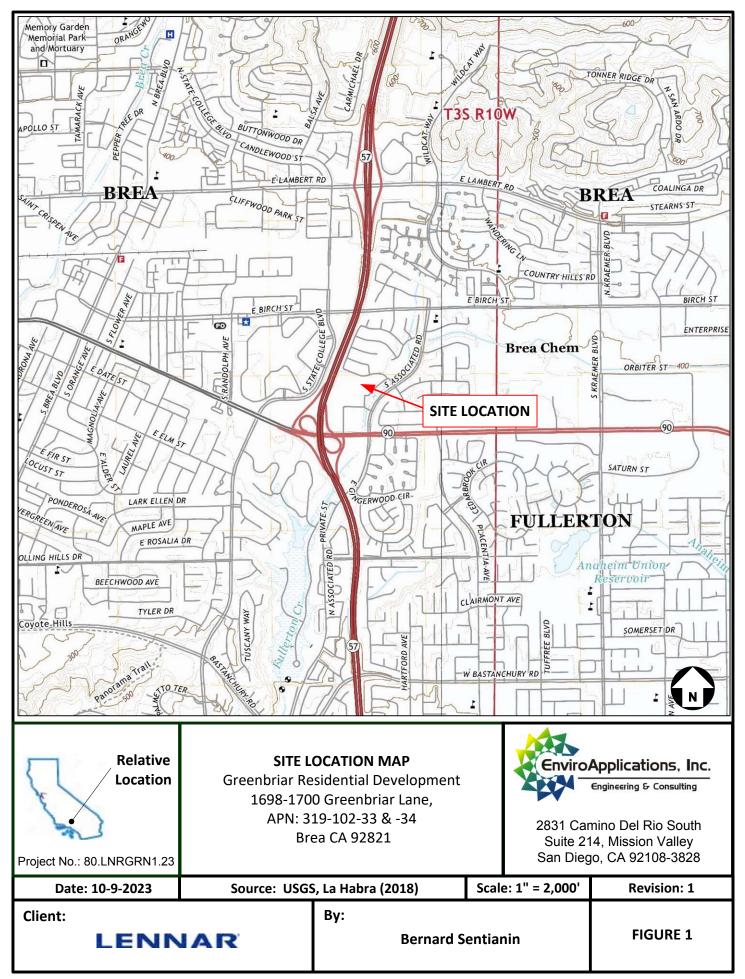


	TABLE 1 Soil Sample Results										
Sample ID	Date	Depth		Test Method ported in mg/			EPA Test Method 8260 (reported in μg/kg)				
	Sampled	(feet bgs)	C6-C12	C13-C22	C23-C36	В	Т	E	х	Other VOCs	
SV-1	11/1/23	10	ND	ND	ND	ND	ND	ND	ND	All other VOCs ND.	
SV-1	11/1/23	15	ND	ND	ND	ND	ND	ND	ND	All other VOCs ND.	
SV-2	11/1/23	10	ND	ND	ND	ND	ND	ND	ND	All other VOCs ND.	
SV-2	11/1/23	15	ND	ND	ND	ND	ND	ND	ND	All other VOCs ND.	
SV-3	11/1/23	10	ND	ND	ND	ND	ND	ND	ND	All other VOCs ND.	
SV-4	11/1/23	10	ND	ND	ND	ND	ND	ND	ND	All other VOCs ND.	
Laborato	ory Reporting	Limits	5	5	5	1	1	1	1	1-260	
Commercia	I Soil Screenii	ng Level*	100	260	1600	1400	5300000	290000	2500000	NA	

bgs = below ground surface; ft = feet; ND = "non-detect" or less than the laboratory reporting limit; ID = identification; \* = San Francisco Bay Regional Water Quality Control Board - Environmental Screening Levels/Human Health Risk (2019 Rev.2); Results in **BOLD** exceed regulatory screening level; B = Benzene; E = Ethylbenzene; T = Toluene; X = Xylenes; µg/kg = micrograms per kilogram; VOCs = Volatile Organic Compound. NOTE: only chemicals of concern are shown; complete laboratory analytical results are provided as a report attachment.

Soil Vapor Sample Results										
	Date	Depth			EF	PA Test Meth		260SV		
Sample ID	Sampled	(feet bgs)				(reporte	d in µg/m³)	r		
	Sumplea	(1001.085)	В	Т	E	Х	PCE	TCE	MEK	1,2,4-TME
SV-1	11/1/23	5	13	36	6.7	28.6	ND	ND	ND	9.4
SV-2	11/1/23	5	15	48	7.3	31.8	ND	ND	56	12
SV-2 REP	11/1/23	5	17	52	1.9	34.1	ND	ND	60	12
SV-3	11/1/23	5	ND	5	ND	ND	ND	ND	ND	ND
SV-4	11/1/23	5	ND	5.2	ND	ND	530	ND	ND	ND
SV-5	11/14/23	5	4.5	56	10	77	ND	ND	ND	25
SV-6	11/14/23	5	ND	42	6.2	53	ND	ND	ND	23
SV-7	11/14/23	5	ND	45	6.8	59	ND	ND	ND	21
Laborat	ory Reporting	Limits	3.2	4	4	4	6.9	6	30	5
Commercial Soil Gas Screening Level* 14			14	44000	160	15000	67	100	NA	NA

Trimethylbenzene; μg/m3 = micrograms per cubic meter; VOCs = Volatile Organic Compound. NOTE: only chemicals of concern are shown; complete laboratory analytical results are provided as a report attachment.





Ger         G	SV-S SV-6	renbriar Lane	
Relative Location	SAMPLE LOCATION MAP Greenbriar Residential Development 1698-1700 Greenbriar Lane, APN: 319-102-34 Brea CA 92821	2831 Car	Applications, Inc. Engineering & Consulting mino Del Rio South 14, Mission Valley
Project No.: 80.LNRGRN2.23		San Dieg	go, CA 92108-3828
Date: 11-7-2023	Source: GoogleEarth (2023)	Scale: 1" = 80'	Revision: 1
Client:	By: Bernard	Sentianin	FIGURE 3



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Bernard Sentianin EnviroApplications, Inc. 2831 Camino Del Rio South Suite 214 San Diego, California 92108 Generated 11/7/2023 8:36:42 AM

# JOB DESCRIPTION

Lennar Greenbriar

## **JOB NUMBER**

570-159170-1

Eurofins Calscience 2841 Dow Avenue, Suite 100 Tustin CA 92780





## **Eurofins Calscience**

### Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

### Authorization

Authorized for release by Sandy Tat, Project Manager I Sandy.Tat@et.eurofinsus.com (714)895-5494 Generated 11/7/2023 8:36:42 AM

# **Table of Contents**

Cover Page	1
Table of Contents	3
Case Narrative	4
Sample Summary	5
Client Sample Results	6
QC Sample Results	19
QC Association Summary	36
Lab Chronicle	38
Certification Summary	40
Method Summary	41
Definitions/Glossary	42
Chain of Custody	43
Receipt Checklists	44

### Laboratory: Eurofins Calscience

#### Narrative

#### Job Narrative 570-159170-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

3

Job ID: 570-159170-1

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 11/2/2023 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

### GC/MS VOA

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 570-380098 and analytical batch 570-380044 recovered outside control limits for the following analytes: Vinyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 570-380098 and analytical batch 570-380044: Tert-amyl-methyl ether (TAME). This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-380022 and analytical batch 570-380035 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260B: The laboratory control sample duplicate (LCSD) for preparation batch 570-380022 and analytical batch 570-380035 recovered outside control limits for the following analytes: Methyl-t-Butyl Ether (MTBE). This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with preparation batch 570-380022 and analytical batch 570-380035: Ethyl-t-butyl ether (ETBE), 1,1,2-Trichloro-1,2,2-trifluoroethane and Vinyl acetate. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **Diesel Range Organics**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Sample Summary

Client: EnviroApplications, Inc. Project/Site: Lennar Greenbriar

Job ID: 570-159170-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-159170-1	SV-2 10'	Solid	11/01/23 10:18	11/02/23 17:00
570-159170-2	SV-2 15'	Solid	11/01/23 10:37	11/02/23 17:00
570-159170-3	SV-1-10	Solid	11/01/23 11:10	11/02/23 17:00
570-159170-4	SV-1-15	Solid	11/01/23 11:16	11/02/23 17:00
570-159170-5	SV-4 10'	Solid	11/01/23 13:50	11/02/23 17:00
570-159170-6	SV-3 10'	Solid	11/01/23 14:34	11/02/23 17:00

Matrix: Solid

Lab Sample ID: 570-159170-1

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

### Client Sample ID: SV-2 10' Date Collected: 11/01/23 10:18 Date Received: 11/02/23 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Benzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Bromobenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Bromochloromethane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Bromodichloromethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Bromoform	ND		4.8	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Bromomethane	ND		19	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
2-Butanone	ND		19	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Carbon disulfide	ND		9.7	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Carbon tetrachloride	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Chlorobenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Chloroethane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Chloroform	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Chloromethane	ND		19	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
2-Chlorotoluene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
4-Chlorotoluene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
cis-1,2-Dichloroethene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
cis-1,3-Dichloropropene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Dibromochloromethane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,2-Dibromo-3-Chloropropane	ND		9.7	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,2-Dibromoethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Dibromomethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,2-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,3-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,4-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Dichlorodifluoromethane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,1-Dichloroethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,2-Dichloroethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,1-Dichloroethene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,2-Dichloropropane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,3-Dichloropropane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
2,2-Dichloropropane	ND		4.8	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
1,1-Dichloropropene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Di-isopropyl ether (DIPE)	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Ethanol	ND		240	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Ethylbenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Ethyl-t-butyl ether (ETBE)	ND	*+	0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
2-Hexanone	ND		19	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Isopropylbenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Methylene Chloride	ND		9.7	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
4-Methyl-2-pentanone	ND		19	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Methyl-t-Butyl Ether (MTBE)	ND	*+	1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
m,p-Xylene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Naphthalene	ND		9.7	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
n-Butylbenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
N-Propylbenzene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
o-Xylene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1
p-Isopropyltoluene	ND		0.97	ug/Kg			11/03/23 13:09	1
sec-Butylbenzene	ND		0.97	ug/Kg		11/03/23 08:18		1

**Eurofins Calscience** 

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

108

97

#### Client Sample ID: SV-2 10' Date Collected: 11/01/23 10:18

Date	Collected: 1	11/01/23 10:18
Date	Received: 1	1/02/23 17:00

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Styrene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
Tert-amyl-methyl ether (TAME)	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	6
tert-Butyl alcohol (TBA)	ND		19	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
tert-Butylbenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,1,1,2-Tetrachloroethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,1,2,2-Tetrachloroethane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	8
Tetrachloroethene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	U
Toluene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	0
trans-1,2-Dichloroethene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	9
trans-1,3-Dichloropropene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,2,3-Trichlorobenzene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,2,4-Trichlorobenzene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,1,1-Trichloroethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,1,2-Trichloroethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
Trichloroethene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
Trichlorofluoromethane	ND		9.7	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,2,3-Trichloropropane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	13
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	9.7	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,2,4-Trimethylbenzene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
1,3,5-Trimethylbenzene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
Vinyl acetate	ND	*+	9.7	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
Vinyl chloride	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
Xylenes, Total	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 13:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	97		80 - 120			11/03/23 08:18	11/03/23 13:09	1	
Dibromofluoromethane (Surr)	99		58 - 147			11/03/23 08:18	11/03/23 13:09	1	

#### Client Sample ID: SV-2 15' Date Collected: 11/01/23 10:37 Date Received: 11/02/23 17:00

1,2-Dichloroethane-d4 (Surr)

Toluene-d8 (Surr)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	20	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Benzene	ND	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Bromobenzene	ND	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Bromochloromethane	ND	2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Bromodichloromethane	ND	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Bromoform	ND	5.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Bromomethane	ND	20	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
2-Butanone	ND	20	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Carbon disulfide	ND	9.9	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Carbon tetrachloride	ND	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Chlorobenzene	ND	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Chloroethane	ND	2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Chloroform	ND	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Chloromethane	ND	20	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
2-Chlorotoluene	ND	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
4-Chlorotoluene	ND	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1

32 - 179

80 - 120

**Eurofins Calscience** 

11/03/23 08:18 11/03/23 13:09

11/03/23 08:18 11/03/23 13:09

Lab Sample ID: 570-159170-2

1

1

**Matrix: Solid** 

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

#### Client Sample ID: SV-2 15' Date Collected: 11/01/23 10:37 Date Received: 11/02/23 17:00

### Lab Sample ID: 570-159170-2 Matrix: Solid

Date Collected: 11/01/23 10:37							Matrix	: 50110	
Date Received: 11/02/23 17:00					_				5
Analyte		Qualifier	RL	Unit	_ <u>D</u>	Prepared	Analyzed	Dil Fac	5
cis-1,2-Dichloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
cis-1,3-Dichloropropene	ND		0.99	ug/Kg			11/03/23 13:31	1	6
Dibromochloromethane	ND		2.0	ug/Kg			11/03/23 13:31	1	
1,2-Dibromo-3-Chloropropane	ND		9.9	ug/Kg			11/03/23 13:31	1	
1,2-Dibromoethane	ND		0.99	ug/Kg			11/03/23 13:31		
Dibromomethane	ND		0.99	ug/Kg			11/03/23 13:31	1	8
1,2-Dichlorobenzene	ND		0.99	ug/Kg			11/03/23 13:31	1	
1,3-Dichlorobenzene	ND		0.99	ug/Kg			11/03/23 13:31	1	9
1,4-Dichlorobenzene	ND		0.99	ug/Kg			11/03/23 13:31	1	
Dichlorodifluoromethane	ND		2.0	ug/Kg			11/03/23 13:31	1	
1,1-Dichloroethane	ND		0.99	ug/Kg			11/03/23 13:31	1	
1,2-Dichloroethane	ND		0.99	ug/Kg			11/03/23 13:31	1	
1,1-Dichloroethene	ND		0.99	ug/Kg			11/03/23 13:31	1	
1,2-Dichloropropane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
1,3-Dichloropropane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	12
2,2-Dichloropropane	ND		5.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
1,1-Dichloropropene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	13
Di-isopropyl ether (DIPE)	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Ethanol	ND		250	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Ethylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Ethyl-t-butyl ether (ETBE)	ND	*+	0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
2-Hexanone	ND		20	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Isopropylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Methylene Chloride	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
4-Methyl-2-pentanone	ND		20	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Methyl-t-Butyl Ether (MTBE)	ND	*+	2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
m,p-Xylene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Naphthalene	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
n-Butylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
N-Propylbenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
o-Xylene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
p-Isopropyltoluene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
sec-Butylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Styrene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Tert-amyl-methyl ether (TAME)	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
tert-Butyl alcohol (TBA)	ND		20	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
tert-Butylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
1,1,1,2-Tetrachloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Tetrachloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Toluene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
trans-1,2-Dichloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg		11/03/23 08:18		1	
1,1,1-Trichloroethane	ND		0.99	ug/Kg			11/03/23 13:31	1	
1,1.2-Trichloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1	
Trichloroethene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31		
Trichlorofluoromethane	ND		9.9	ug/Kg		11/03/23 08:18		1	
			0.0	~3/1 3			1,00,20 10.01	•	

**Eurofins Calscience** 

5

13

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

#### Client Sample ID: SV-2 15' Date Collected: 11/01/23 10:37 Date Received: 11/02/23 17:00

### Lab Sample ID: 570-159170-2 Matrix: Solid

Lab Sample ID: 570-159170-3

Matrix: Solid

Date Received: 11/02/23 17:0	0							
Analyte	Result (	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND '	*_	9.9	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Vinyl acetate	ND '	*+	9.9	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Vinyl chloride	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Xylenes, Total	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Surrogate	%Recoverv	Qualifier	Limits			Prepared	Analvzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	DII Fac	
4-Bromofluorobenzene (Surr)	96		80 - 120	11/03/23 08:18	11/03/23 13:31	1	
Dibromofluoromethane (Surr)	102		58 - 147	11/03/23 08:18	11/03/23 13:31	1	
1,2-Dichloroethane-d4 (Surr)	113		32 - 179	11/03/23 08:18	11/03/23 13:31	1	
Toluene-d8 (Surr)	97		80 - 120	11/03/23 08:18	11/03/23 13:31	1	

### Client Sample ID: SV-1-10 Date Collected: 11/01/23 11:10 Date Received: 11/02/23 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Benzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Bromobenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Bromochloromethane	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Bromodichloromethane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Bromoform	ND		4.8	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Bromomethane	ND		19	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
2-Butanone	ND		19	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Carbon disulfide	ND		9.7	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Carbon tetrachloride	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Chlorobenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Chloroethane	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Chloroform	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Chloromethane	ND		19	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
2-Chlorotoluene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
4-Chlorotoluene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
cis-1,2-Dichloroethene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
cis-1,3-Dichloropropene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Dibromochloromethane	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2-Dibromo-3-Chloropropane	ND		9.7	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2-Dibromoethane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Dibromomethane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,3-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,4-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Dichlorodifluoromethane	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,1-Dichloroethane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2-Dichloroethane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,1-Dichloroethene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2-Dichloropropane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,3-Dichloropropane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
2,2-Dichloropropane	ND		4.8	ug/Kg		11/03/23 08:26	11/03/23 18:14	1

**Eurofins Calscience** 

5

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

#### Client Sample ID: SV-1-10 Date Collected: 11/01/23 11:10 Date Received: 11/02/23 17:00

### Lab Sample ID: 570-159170-3 Matrix: Solid

Date Received: 11/02/23 17:00								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Di-isopropyl ether (DIPE)	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Ethanol	ND		240	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Ethylbenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Ethyl-t-butyl ether (ETBE)	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
2-Hexanone	ND		19	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Isopropylbenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Methylene Chloride	ND		9.7	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
4-Methyl-2-pentanone	ND		19	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
m,p-Xylene	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Naphthalene	ND		9.7	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
n-Butylbenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
N-Propylbenzene	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	
o-Xylene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
p-lsopropyltoluene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
sec-Butylbenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	· · · · · · · · · · · · · · · · · · ·
Styrene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Tert-amyl-methyl ether (TAME)	ND	*+	0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
tert-Butyl alcohol (TBA)	ND		19	ug/Kg		11/03/23 08:26	11/03/23 18:14	
tert-Butylbenzene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,1,1,2-Tetrachloroethane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,1,2,2-Tetrachloroethane	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	· · · · · · · · · · · · · · · · · · ·
Tetrachloroethene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Toluene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
trans-1,2-Dichloroethene	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	
trans-1,3-Dichloropropene	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2,3-Trichlorobenzene	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2,4-Trichlorobenzene	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	
1,1,1-Trichloroethane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,1,2-Trichloroethane	ND		0.97	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Trichloroethene	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	
Trichlorofluoromethane	ND		9.7	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
	ND		9.7 1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2,3-Trichloropropane 1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7			11/03/23 08:26	11/03/23 18:14	
1.2.4-Trimethylbenzene	ND		9.7 1.9	ug/Kg ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,3,5-Trimethylbenzene	ND		1.9			11/03/23 08:26	11/03/23 18:14	1
Vinyl acetate		*_		ug/Kg		11/03/23 08:26	11/03/23 18:14	· · · · · · · · 1
Vinyl chloride	ND ND	т	9.7 0.97	ug/Kg ug/Kg		11/03/23 08:26	11/03/23 18:14	1
	ND		1.9					1
Xylenes, Total	ND		1.9	ug/Kg		11/03/23 08:26	11/03/23 18:14	I
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120			11/03/23 08:26	11/03/23 18:14	1
Dibromofluoromethane (Surr)	97		58 - 147			11/03/23 08:26	11/03/23 18:14	1
1,2-Dichloroethane-d4 (Surr)	96		32 - 179			11/03/23 08:26	11/03/23 18:14	1
Toluene-d8 (Surr)	99		80 - 120			11/03/23 08:26	11/03/23 18:14	1

### Job ID: 570-159170-1

Matrix: Solid

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

### **Client Sample ID: SV-1-15** Date Collected: 11/01/23 11:16 Date Received: 11/02/23 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Acetone	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	_
Benzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	6
Bromobenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Bromochloromethane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Bromodichloromethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Bromoform	ND		5.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	8
Bromomethane	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
2-Butanone	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	0
Carbon disulfide	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Carbon tetrachloride	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Chlorobenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Chloroethane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Chloroform	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Chloromethane	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
2-Chlorotoluene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
4-Chlorotoluene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
cis-1,2-Dichloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
cis-1,3-Dichloropropene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Dibromochloromethane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2-Dibromo-3-Chloropropane	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2-Dibromoethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Dibromomethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2-Dichlorobenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,3-Dichlorobenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,4-Dichlorobenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Dichlorodifluoromethane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,1-Dichloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2-Dichloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,1-Dichloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2-Dichloropropane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,3-Dichloropropane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
2,2-Dichloropropane	ND		5.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,1-Dichloropropene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Di-isopropyl ether (DIPE)	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Ethanol	ND		250	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Ethylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Ethyl-t-butyl ether (ETBE)	ND	*+	0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
2-Hexanone	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
lsopropylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Methylene Chloride	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
4-Methyl-2-pentanone	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Methyl-t-Butyl Ether (MTBE)	ND	*+	2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
m,p-Xylene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Naphthalene	ND		9.9	ug/Kg			11/03/23 14:15	1	
n-Butylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
N-Propylbenzene	ND		2.0	ug/Kg			11/03/23 14:15	1	
o-Xylene	ND		0.99	ug/Kg			11/03/23 14:15	1	
p-Isopropyltoluene	ND		0.99	ug/Kg			11/03/23 14:15	1	
sec-Butylbenzene	ND		0.99	ug/Kg			11/03/23 14:15	1	

**Eurofins Calscience** 

Lab Sample ID: 570-159170-4

Matrix: Solid

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

98

#### **Client Sample ID: SV-1-15** Date Collected: 11/01/23 11:16

Duto		11101120	
Date	<b>Received:</b>	11/02/23	17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	Ę
Styrene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Tert-amyl-methyl ether (TAME)	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
tert-Butyl alcohol (TBA)	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
tert-Butylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,1,1,2-Tetrachloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	5
Tetrachloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Toluene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	6
trans-1,2-Dichloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,1,1-Trichloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,1,2-Trichloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Trichloroethene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Trichlorofluoromethane	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2,3-Trichloropropane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	9.9	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Vinyl acetate	ND	*+	9.9	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Vinyl chloride	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Xylenes, Total	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		80 - 120			11/03/23 08:18	11/03/23 14:15	1	
Dibromofluoromethane (Surr)	102		58 - 147			11/03/23 08:18	11/03/23 14:15	1	
1,2-Dichloroethane-d4 (Surr)	112		32 - 179			11/03/23 08:18	11/03/23 14:15	1	

### Client Sample ID: SV-4 10' Date Collected: 11/01/23 13:50 Date Received: 11/02/23 17:00

Toluene-d8 (Surr)

Analyte Received. 11/02/23 17:00	sult Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND Quanner	19			11/03/23 08:18	11/03/23 14:37	
Acelone			ug/Kg				I
Benzene	ND	0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Bromobenzene	ND	0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Bromochloromethane	ND	1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Bromodichloromethane	ND	0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Bromoform	ND	4.8	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Bromomethane	ND	19	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
2-Butanone	ND	19	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Carbon disulfide	ND	9.7	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Carbon tetrachloride	ND	0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Chlorobenzene	ND	0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Chloroethane	ND	1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Chloroform	ND	0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Chloromethane	ND	19	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
2-Chlorotoluene	ND	0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
4-Chlorotoluene	ND	0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1

80 - 120

#### **Eurofins Calscience**

11/03/23 08:18 11/03/23 14:15

Lab Sample ID: 570-159170-5

Lab Sample ID: 570-159170-4

1

**Matrix: Solid** 

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

#### Client Sample ID: SV-4 10' Date Collected: 11/01/23 13:50 Date Research 41/02/23 43:00

### Lab Sample ID: 570-159170-5 Matrix: Solid

Date Collected: 11/01/23 13:50							Matrix	c: Solid	4
Date Received: 11/02/23 17:00 Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
cis-1,2-Dichloroethene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
cis-1,3-Dichloropropene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	6
Dibromochloromethane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
1,2-Dibromo-3-Chloropropane	ND		9.7	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
1,2-Dibromoethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
Dibromomethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	8
1,2-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	0
1,3-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	0
1,4-Dichlorobenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	3
Dichlorodifluoromethane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
1,1-Dichloroethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
1,2-Dichloroethane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
1,1-Dichloroethene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
1,2-Dichloropropane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
1,3-Dichloropropane	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
2,2-Dichloropropane	ND		4.8	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
1,1-Dichloropropene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	13
Di-isopropyl ether (DIPE)	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
Ethanol	ND		240	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
Ethylbenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
Ethyl-t-butyl ether (ETBE)	ND	*+	0.97	ug/Kg			11/03/23 14:37	1	
2-Hexanone	ND		19	ug/Kg			11/03/23 14:37	1	
Isopropylbenzene	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
Methylene Chloride	ND		9.7	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
4-Methyl-2-pentanone	ND		19	ug/Kg			11/03/23 14:37	1	
Methyl-t-Butyl Ether (MTBE)	ND	*+	1.9	ug/Kg			11/03/23 14:37	1	
m,p-Xylene	ND		1.9	ug/Kg			11/03/23 14:37	1	
Naphthalene	ND		9.7	ug/Kg			11/03/23 14:37	1	
n-Butylbenzene	ND		0.97	ug/Kg			11/03/23 14:37	1	
N-Propylbenzene	ND		1.9	ug/Kg			11/03/23 14:37		
o-Xylene	ND		0.97	ug/Kg			11/03/23 14:37	1	
p-Isopropyltoluene	ND		0.97	ug/Kg			11/03/23 14:37	1	
sec-Butylbenzene	ND		0.97	ug/Kg			11/03/23 14:37	1	
Styrene	ND		0.97	ug/Kg			11/03/23 14:37	1	
Tert-amyl-methyl ether (TAME)	ND		0.97	ug/Kg			11/03/23 14:37	1	
tert-Butyl alcohol (TBA)	ND		19	ug/Kg		11/03/23 08:18	11/03/23 14:37	1	
tert-Butylbenzene	ND		0.97	ug/Kg			11/03/23 14:37	1	
1,1,1,2-Tetrachloroethane	ND		0.97	ug/Kg			11/03/23 14:37	1	
1,1,2,2-Tetrachloroethane	ND		1.9	ug/Kg			11/03/23 14:37	1	
Tetrachloroethene	ND		0.97	ug/Kg			11/03/23 14:37	1	
Toluene	ND		0.97	ug/Kg			11/03/23 14:37	1	
trans-1,2-Dichloroethene	ND		0.97	ug/Kg			11/03/23 14:37		
trans-1,3-Dichloropropene	ND		1.9	ug/Kg			11/03/23 14:37	1	
1,2,3-Trichlorobenzene	ND		1.9	ug/Kg			11/03/23 14:37	1	
1,2,4-Trichlorobenzene	ND		1.9	ug/Kg			11/03/23 14:37		
1,1,1-Trichloroethane	ND		0.97	ug/Kg			11/03/23 14:37	1	
1,1,2-Trichloroethane	ND		0.97	ug/Kg		11/03/23 08:18		1	
Trichloroethene	ND		1.9	ug/Kg			11/03/23 14:37		
Trichlorofluoromethane	ND		9.7	ug/Kg			11/03/23 14:37	1	
				0.0					

**Eurofins Calscience** 

# Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

# Client Sample ID: SV-4 10' Date Collected: 11/01/23 13:50

#### Lab Sample ID: 570-159170-5 Matrix: Solid

Lab Sample ID: 570-159170-6

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	9.7	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,2,4-Trimethylbenzene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,3,5-Trimethylbenzene	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Vinyl acetate	ND	*+	9.7	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Vinyl chloride	ND		0.97	ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Xylenes, Total	ND		1.9	ug/Kg		11/03/23 08:18	11/03/23 14:37	1

Surrogate	%Recovery	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96	80 - 120	11/03/23 08:18	11/03/23 14:37	1
Dibromofluoromethane (Surr)	100	58 - 147	11/03/23 08:18	11/03/23 14:37	1
1,2-Dichloroethane-d4 (Surr)	108	32 - 179	11/03/23 08:18	11/03/23 14:37	1
Toluene-d8 (Surr)	98	80 - 120	11/03/23 08:18	11/03/23 14:37	1

#### Client Sample ID: SV-3 10' Date Collected: 11/01/23 14:34 Date Received: 11/02/23 17:00

Acetone				Prepared	Analyzed	Dil Fac
	ND	 20	ug/Kg	 11/03/23 08:18	11/03/23 14:58	1
Benzene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Bromobenzene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Bromochloromethane	ND	2.0	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Bromodichloromethane	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Bromoform	ND	5.0	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Bromomethane	ND	20	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
2-Butanone	ND	20	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Carbon disulfide	ND	9.9	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Carbon tetrachloride	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Chlorobenzene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Chloroethane	ND	2.0	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Chloroform	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Chloromethane	ND	20	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
2-Chlorotoluene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
4-Chlorotoluene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
cis-1,2-Dichloroethene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
cis-1,3-Dichloropropene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Dibromochloromethane	ND	2.0	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,2-Dibromo-3-Chloropropane	ND	9.9	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,2-Dibromoethane	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Dibromomethane	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,2-Dichlorobenzene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,3-Dichlorobenzene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,4-Dichlorobenzene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
Dichlorodifluoromethane	ND	2.0	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,1-Dichloroethane	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,2-Dichloroethane	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,1-Dichloroethene	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,2-Dichloropropane	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
1,3-Dichloropropane	ND	0.99	ug/Kg	11/03/23 08:18	11/03/23 14:58	1
2,2-Dichloropropane	ND	5.0	ug/Kg	11/03/23 08:18	11/03/23 14:58	1

**Eurofins Calscience** 

5

13

# Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

# Client Sample ID: SV-3 10' Date Collected: 11/01/23 14:34

#### Lab Sample ID: 570-159170-6 Matrix: Solid

Date Received: 11/02/23 17:00								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Di-isopropyl ether (DIPE)	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Ethanol	ND		250	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Ethylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Ethyl-t-butyl ether (ETBE)	ND	*+	0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
2-Hexanone	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Isopropylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Methylene Chloride	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
4-Methyl-2-pentanone	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Methyl-t-Butyl Ether (MTBE)	ND	*+	2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
m,p-Xylene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Naphthalene	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
n-Butylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
N-Propylbenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
o-Xylene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
p-Isopropyltoluene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
sec-Butylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Styrene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Tert-amyl-methyl ether (TAME)	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
tert-Butylbenzene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,1,1,2-Tetrachloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Tetrachloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Toluene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
trans-1,2-Dichloroethene	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,1,1-Trichloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,1,2-Trichloroethane	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Trichloroethene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Trichlorofluoromethane	ND		9.9	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*_	9.9	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Vinyl acetate	ND	*+	9.9	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Vinyl chloride	ND		0.99	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Xylenes, Total	ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 14:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120			11/03/23 08:18	11/03/23 14:58	1
Dibromofluoromethane (Surr)	99		58 - 147			11/03/23 08:18	11/03/23 14:58	1
1,2-Dichloroethane-d4 (Surr)	108		32 - 179			11/03/23 08:18	11/03/23 14:58	1
Toluene-d8 (Surr)	96		80 - 120			11/03/23 08:18	11/03/23 14:58	1

# Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

## Client Sample ID: SV-2 10' od. 11/01/23 10.18

Date Collected: 11/01/23 10:18 Date Received: 11/02/23 17:00							Matrix	: Solic
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
C6 as C6	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C7 as C7	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C8 as C8	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C9-C10	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C11-C12	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C13-C14	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C15-C16	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C17-C18	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C19-C20	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C21-C22	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C23-C24	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C25-C28	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C29-C32	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C33-C36	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C37-C40	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C41-C44	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	
C6-C44	ND		4.9	mg/Kg		11/02/23 19:00	11/06/23 03:14	

Surrogate	%Recovery Qualifier	Limits
n-Octacosane (Surr)	96	60 - 138

#### Client Sample ID: SV-2 15' Date Collected: 11/01/23 10:37 Date Received: 11/02/23 17:00

#### Analyte **Result Qualifier** RL Unit Prepared Dil Fac D Analyzed C6 as C6 ND 4.9 11/02/23 19:00 11/06/23 03:35 mg/Kg 1 C7 as C7 ND 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 C8 as C8 ND 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 C9-C10 ND 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 C11-C12 ND 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 C13-C14 ND 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 11/06/23 03:35 C15-C16 ND 4.9 mg/Kg 11/02/23 19:00 1 C17-C18 ND 11/02/23 19:00 11/06/23 03:35 4.9 mg/Kg 1 C19-C20 11/02/23 19:00 11/06/23 03:35 ND 4.9 mg/Kg 1 C21-C22 ND 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 C23-C24 ND 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 C25-C28 ND 4.9 11/02/23 19:00 11/06/23 03:35 mg/Kg 1 C29-C32 ND 4.9 11/02/23 19:00 11/06/23 03:35 mg/Kg 1 C33-C36 ND 11/02/23 19:00 11/06/23 03:35 4.9 mg/Kg 1 C37-C40 ND 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 C41-C44 ND 4.9 11/02/23 19:00 11/06/23 03:35 mg/Kg 1 C6-C44 9.6 4.9 mg/Kg 11/02/23 19:00 11/06/23 03:35 1 Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac n-Octacosane (Surr) 94 60 - 138 11/02/23 19:00 11/06/23 03:35 1

**Eurofins Calscience** 

#### 11/7/2023

Job ID: 570-159170-1

# Lab Sample ID: 570-159170-1

Prepared Analyzed Dil Fac 11/02/23 19:00 11/06/23 03:14

1

#### Lab Sample ID: 570-159170-2 Matrix: Solid

# Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

#### **Client Sample ID: SV-1-10** D

C6-C44

Date Collected: 11/01/23 11:10							Matrix: Solid		
Date Received: 11/02/23 17:00 Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
C6 as C6	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C7 as C7	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C8 as C8	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C9-C10	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C11-C12	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C13-C14	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C15-C16	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C17-C18	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C19-C20	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C21-C22	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C23-C24	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C25-C28	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C29-C32	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C33-C36	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C37-C40	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	
C41-C44	ND		5.0	mg/Kg		11/02/23 19:00	11/06/23 03:56	1	

5.0

mg/Kg

Surrogate	%Recovery Qualifier	Limits
n-Octacosane (Surr)	96	60 - 138

11

#### **Client Sample ID: SV-1-15** Date Collected: 11/01/23 11:16 Date Received: 11/02/23 17:00

#### Analyte **Result Qualifier** RL Unit D Prepared Dil Fac Analyzed C6 as C6 ND 5.0 11/02/23 19:00 11/06/23 04:17 mg/Kg 1 C7 as C7 ND 5.0 mg/Kg 11/02/23 19:00 11/06/23 04:17 1 C8 as C8 ND 5.0 mg/Kg 11/02/23 19:00 11/06/23 04:17 1 C9-C10 ND 5.0 mg/Kg 11/02/23 19:00 11/06/23 04:17 1 C11-C12 ND 5.0 mg/Kg 11/02/23 19:00 11/06/23 04:17 1 5.0 11/06/23 04:17 C13-C14 ND mg/Kg 11/02/23 19:00 1 11/06/23 04:17 C15-C16 ND 5.0 mg/Kg 11/02/23 19:00 1 C17-C18 ND 5.0 11/02/23 19:00 11/06/23 04:17 mg/Kg 1 C19-C20 11/02/23 19:00 11/06/23 04:17 ND 5.0 mg/Kg 1 C21-C22 ND 5.0 mg/Kg 11/02/23 19:00 11/06/23 04:17 1 C23-C24 ND 5.0 mg/Kg 11/02/23 19:00 11/06/23 04:17 1 C25-C28 ND 5.0 11/02/23 19:00 11/06/23 04:17 mg/Kg 1 C29-C32 ND 5.0 11/02/23 19:00 11/06/23 04:17 mg/Kg 1 C33-C36 ND 5.0 11/02/23 19:00 11/06/23 04:17 mg/Kg 1 C37-C40 ND 5.0 mg/Kg 11/02/23 19:00 11/06/23 04:17 1 C41-C44 ND 5.0 11/02/23 19:00 11/06/23 04:17 mg/Kg 1 C6-C44 ND 5.0 mg/Kg 11/02/23 19:00 11/06/23 04:17 1 Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac n-Octacosane (Surr) 97 60 - 138 11/02/23 19:00 11/06/23 04:17 1

5

# Lab Sample ID: 570-159170-3

11/02/23 19:00 11/06/23 03:56

11/02/23 19:00 11/06/23 03:56

Analyzed

Lab Sample ID: 570-159170-4

Dil Fac

Matrix: Solid

1

Prepared

Pagel2138 of 44

5.0

5.0

5.0

5.0

5.0

5.0

5.0

Limits

60 - 138

# Method: SW846 8015B - Diesel Range Organics (DRO) (GC)

ND

ND

ND

ND

ND

ND

ND

#### Client Sample ID: SV-4 10' **Date Collect Date Receiv**

Analyte C6 as C6 C7 as C7 C8 as C8 C9-C10 C11-C12 C13-C14 C15-C16 C17-C18 C19-C20 C21-C22

C23-C24

C25-C28

C29-C32

C33-C36

C37-C40

C41-C44

C6-C44

cted: 11/01/23 13:50 ved: 11/02/23 17:00					Matrix: Solid				
	sult Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5	
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1		
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1	6	
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1		
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1	7	
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1		
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1	8	
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1		
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1	0	
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1	3	
	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:38	1		

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Surrogate	%Recovery	Qualifier
n-Octacosane (Surr)	94	
_		

#### Client Sample ID: SV-3 10' Date Collected: 11/01/23 14:34 Date Received: 11/02/23 17:00

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C7 as C7	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C8 as C8	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C9-C10	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C11-C12	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C13-C14	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C15-C16	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C17-C18	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C19-C20	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C21-C22	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C23-C24	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C25-C28	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C29-C32	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C33-C36	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C37-C40	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C41-C44	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
C6-C44	ND	5.0	mg/Kg		11/02/23 19:00	11/06/23 04:59	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	94	60 - 138			11/02/23 19:00	11/06/23 04:59	1

Job ID: 570-159170-1

1

1

1

1

1

1

1

1

Matrix: Solid

Analyzed Dil Fac 11/02/23 19:00 11/06/23 04:38

Lab Sample ID: 570-159170-6

11/02/23 19:00 11/06/23 04:38

11/02/23 19:00 11/06/23 04:38

11/02/23 19:00 11/06/23 04:38

11/02/23 19:00 11/06/23 04:38

11/02/23 19:00 11/06/23 04:38

11/02/23 19:00 11/06/23 04:38

11/02/23 19:00 11/06/23 04:38

Prepared

# Method: 8260B - Volatile Organic Compounds (GC/MS)

#### Lab Sample ID: MB 570-380022/5-A Matrix: Solid Analysis Batch: 380035

Matrix: Solid Analysis Potoby 290025						Prep Type: 1	
Analysis Batch: 380035	MB	МВ				Prep Batch:	380022
Analyte		Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Acetone	ND		20	ug/Kg			1
Benzene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Bromobenzene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Bromochloromethane	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Bromodichloromethane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Bromoform	ND		5.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Bromomethane	ND		20	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
2-Butanone	ND		20	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Carbon disulfide	ND		10	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Carbon tetrachloride	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Chlorobenzene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Chloroethane	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Chloroform	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Chloromethane	ND		20	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
2-Chlorotoluene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
4-Chlorotoluene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
cis-1,2-Dichloroethene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
cis-1,3-Dichloropropene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Dibromochloromethane	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2-Dibromoethane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Dibromomethane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Dichlorodifluoromethane	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,1-Dichloroethane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2-Dichloroethane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,1-Dichloroethene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2-Dichloropropane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,3-Dichloropropane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
2,2-Dichloropropane	ND		5.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,1-Dichloropropene	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Di-isopropyl ether (DIPE)	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Ethanol	ND		250	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Ethylbenzene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
2-Hexanone	ND		20	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Isopropylbenzene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Methylene Chloride	ND		10	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
4-Methyl-2-pentanone	ND		20	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
m,p-Xylene	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Naphthalene	ND		10	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
n-Butylbenzene	ND		1.0	ug/Kg		11/03/23 10:59	1
N-Propylbenzene	ND		2.0	ug/Kg		11/03/23 10:59	1
o-Xylene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
p-Isopropyltoluene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1

Job ID: 570-159170-1

Prep Type: Total/NA

**Client Sample ID: Method Blank** 

13

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

#### Job ID: 570-159170-1

**Client Sample ID: Method Blank** 

4
5
6
8

Lab Sample ID: MB 570-380022/5-A Matrix: Solid

						Prep Type: To		4
МВ	МВ					Prep Batch:	380022	5
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
ND		1.0	ug/Kg		11/03/23 08:18	11/03/23 10:59	1	6
ND		1.0	ug/Kg		11/03/23 08:18	11/03/23 10:59	1	U
ND		1.0	ug/Kg		11/03/23 08:18	11/03/23 10:59	1	
ND		20	ug/Kg		11/03/23 08:18	11/03/23 10:59	1	
ND		1.0	ug/Kg		11/03/23 08:18	11/03/23 10:59	1	0
ND		1.0	ug/Kg		11/03/23 08:18	11/03/23 10:59	1	Ō
ND		2.0	ug/Kg		11/03/23 08:18	11/03/23 10:59	1	
ND		10	ua/Ka		11/03/23 08.18	11/03/23 10.50	1	-9

# Analysis Batch: 380035

Tert-amyl-methyl ether (TAME) tert-Butyl alcohol (TBA) tert-Butylbenzene 1,1,1,2-Tetrachloroethane

Analyte

Styrene

sec-Butylbenzene

.,.,.,							
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Tetrachloroethene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Toluene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Trichloroethene	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Trichlorofluoromethane	ND		10	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Vinyl acetate	ND		10	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Vinyl chloride	ND		1.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
Xylenes, Total	ND		2.0	ug/Kg	11/03/23 08:18	11/03/23 10:59	1
	МВ	МВ					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		11/03/23 08:18	11/03/23 10:59	1
Dibromofluoromethane (Surr)	93		58 - 147		11/03/23 08:18	11/03/23 10:59	1
1,2-Dichloroethane-d4 (Surr)	100		32 - 179		11/03/23 08:18	11/03/23 10:59	1
Toluene-d8 (Surr)	96		80 - 120		11/03/23 08:18	11/03/23 10:59	1

#### Lab Sample ID: LCS 570-380022/1-A Matrix: Solid Analysis Batch: 380035

Analysis Batch: 380035							Prep Batch: 380022
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acetone	50.0	62.66		ug/Kg		125	61 - 142
Benzene	50.0	50.08		ug/Kg		100	80 - 120
Bromobenzene	50.0	52.13		ug/Kg		104	80 - 120
Bromochloromethane	50.0	52.65		ug/Kg		105	80 - 120
Bromodichloromethane	50.0	49.80		ug/Kg		100	80 - 125
Bromoform	50.0	45.62		ug/Kg		91	74 - 138
Bromomethane	50.0	48.70		ug/Kg		97	58 - 136
2-Butanone	50.0	52.15		ug/Kg		104	67 - 136
Carbon disulfide	50.0	44.61		ug/Kg		89	68 - 128
Carbon tetrachloride	50.0	44.76		ug/Kg		90	75 - 140
Chlorobenzene	50.0	49.27		ug/Kg		99	80 - 120
Chloroethane	50.0	48.88		ug/Kg		98	76 - 137

**Eurofins Calscience** 

**Prep Type: Total/NA** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-380022/1-	- <b>A</b>
Motrix Colid	

Wallix. S	onu	
Analysis	<b>Batch:</b>	380035

Analysis Batch: 380035					Prep Batch: 380022
	Spike	LCS LCS			%Rec
Analyte	Added	Result Qualifie	er Unit	D %Rec	Limits
Chloroform	50.0	47.83	ug/Kg	96	80 - 121
Chloromethane	50.0	50.76	ug/Kg	102	74 - 133
2-Chlorotoluene	50.0	50.89	ug/Kg	102	80 - 120
4-Chlorotoluene	50.0	51.35	ug/Kg	103	80 - 121
cis-1,2-Dichloroethene	50.0	51.36	ug/Kg	103	80 - 124
cis-1,3-Dichloropropene	50.0	48.72	ug/Kg	97	80 - 123
Dibromochloromethane	50.0	49.58	ug/Kg	99	80 - 132
1,2-Dibromo-3-Chloropropane	50.0	49.89	ug/Kg	100	67 - 120
1,2-Dibromoethane	50.0	55.10	ug/Kg	110	80 - 120
Dibromomethane	50.0	54.66	ug/Kg	109	80 - 120
1,2-Dichlorobenzene	50.0	53.67	ug/Kg	107	80 - 120
1,3-Dichlorobenzene	50.0	53.37	ug/Kg	107	80 - 120
1,4-Dichlorobenzene	50.0	51.19	ug/Kg	102	80 - 120
Dichlorodifluoromethane	50.0	48.90	ug/Kg	98	63 - 146
1,1-Dichloroethane	50.0	50.08	ug/Kg	100	79 - 124
1,2-Dichloroethane	50.0	49.49	ug/Kg	99	77 - 120
1,1-Dichloroethene	50.0	46.63	ug/Kg	93	74 - 132
1,2-Dichloropropane	50.0	51.84	ug/Kg	104	80 - 126
1,3-Dichloropropane	50.0	53.37	ug/Kg	107	80 - 120
2,2-Dichloropropane	50.0	47.56	ug/Kg	95	73 - 135
1,1-Dichloropropene	50.0	49.30	ug/Kg	99	78 - 130
Di-isopropyl ether (DIPE)	50.0	53.33	ug/Kg	107	73 - 132
Ethanol	500	431.9	ug/Kg	86	46 - 159
Ethylbenzene	50.0	50.33	ug/Kg	101	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	56.37	ug/Kg	113	77 - 129
2-Hexanone	50.0	61.43	ug/Kg	123	70 - 137
Isopropylbenzene	50.0	57.56	ug/Kg	115	80 - 122
Methylene Chloride	50.0	49.84	ug/Kg	100	74 - 120
4-Methyl-2-pentanone	50.0	59.03	ug/Kg	118	74 - 124
Methyl-t-Butyl Ether (MTBE)	50.0	56.92	ug/Kg	110	79 - 123
m,p-Xylene	100	103.2	ug/Kg	103	80 - 120
Naphthalene	50.0	59.14	ug/Kg	118	79 - 121
n-Butylbenzene	50.0	52.97	ug/Kg	106	79_131
N-Propylbenzene	50.0	52.68	ug/Kg	105	80 - 122
o-Xylene	50.0	51.46	ug/Kg	103	80 - 120
p-Isopropyltoluene	50.0	54.82	ug/Kg	110	80 - 126
sec-Butylbenzene	50.0	51.29	ug/Kg	103	80 - 125
Styrene	50.0	53.12	ug/Kg	105	80 - 120
Tert-amyl-methyl ether (TAME)	50.0	57.56	ug/Kg	100	80 - 120
tert-Butyl alcohol (TBA)	250	249.0	ug/Kg	110	74 - 123
tert-Butylbenzene	50.0	51.76		100	80 - 124
-	50.0	47.30	ug/Kg		80 - 125
1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane	50.0 50.0	47.30 57.32	ug/Kg	95 115	80 - 125 80 - 124
Tetrachloroethene	50.0	51.93	ug/Kg	104	80 - 124 80 - 122
Toluene			ug/Kg		
	50.0	49.03	ug/Kg	98	80 - 120
trans-1,2-Dichloroethene	50.0	50.78	ug/Kg	102	75 - 123
trans-1,3-Dichloropropene	50.0	49.14	ug/Kg	98 100	80 - 124
1,2,3-Trichlorobenzene	50.0	54.73	ug/Kg	109	80 - 123
1,2,4-Trichlorobenzene	50.0	58.88	ug/Kg	118	80 - 125

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

5 6 7

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

99

101

Lab Sample ID: LCS 570-3 Matrix: Solid Analysis Batch: 380035	80022/1-A					Clier	nt Sai	mple ID	: Lab Control Sample Prep Type: Total/NA Prep Batch: 380022
			Spike	LCS	LCS				%Rec
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane			50.0	47.09		ug/Kg		94	78 - 130
1,1,2-Trichloroethane			50.0	52.35		ug/Kg		105	80 - 123
Trichloroethene			50.0	50.99		ug/Kg		102	80 - 127
Trichlorofluoromethane			50.0	47.18		ug/Kg		94	70 - 144
1,2,3-Trichloropropane			50.0	51.21		ug/Kg		102	79 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha			50.0	42.27		ug/Kg		85	73 - 130
ne									
1,2,4-Trimethylbenzene			50.0	49.92		ug/Kg		100	80 - 124
1,3,5-Trimethylbenzene			50.0	52.70		ug/Kg		105	80 - 121
Vinyl acetate			50.0	55.04		ug/Kg		110	71 - 125
Vinyl chloride			50.0	50.19		ug/Kg		100	79 - 133
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	97		80 - 120						
Dibromofluoromethane (Surr)	100		58 - 147						

32 - 179

80 - 120

Lab Sample ID: LCSD 570-380022/2-A
Matrix: Solid
Analysis Batch: 380035

1,2-Dichloroethane-d4 (Surr)

Toluene-d8 (Surr)

Analysis Batch: 380035							Prep Batch: 380022			
· · · · · <b>,</b> · · · · · · · · · · · · · · · · · · ·	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Acetone	50.0	56.23		ug/Kg		112	61 - 142	11	23	
Benzene	50.0	50.06		ug/Kg		100	80 - 120	0	20	
Bromobenzene	50.0	52.94		ug/Kg		106	80 - 120	2	20	
Bromochloromethane	50.0	58.93		ug/Kg		118	80 - 120	11	20	
Bromodichloromethane	50.0	50.17		ug/Kg		100	80 - 125	1	20	
Bromoform	50.0	46.33		ug/Kg		93	74 - 138	2	20	
Bromomethane	50.0	42.28		ug/Kg		85	58 - 136	14	20	
2-Butanone	50.0	57.59		ug/Kg		115	67 - 136	10	20	
Carbon disulfide	50.0	52.56		ug/Kg		105	68 - 128	16	20	
Carbon tetrachloride	50.0	39.33		ug/Kg		79	75 - 140	13	20	
Chlorobenzene	50.0	49.93		ug/Kg		100	80 - 120	1	20	
Chloroethane	50.0	41.49		ug/Kg		83	76 - 137	16	20	
Chloroform	50.0	54.16		ug/Kg		108	80 - 121	12	20	
Chloromethane	50.0	44.44		ug/Kg		89	74 - 133	13	20	
2-Chlorotoluene	50.0	51.28		ug/Kg		103	80 - 120	1	20	
4-Chlorotoluene	50.0	51.85		ug/Kg		104	80 - 121	1	20	
cis-1,2-Dichloroethene	50.0	57.83		ug/Kg		116	80 - 124	12	20	
cis-1,3-Dichloropropene	50.0	49.09		ug/Kg		98	80 - 123	1	20	
Dibromochloromethane	50.0	51.24		ug/Kg		102	80 - 132	3	20	
1,2-Dibromo-3-Chloropropane	50.0	50.90		ug/Kg		102	67 - 120	2	20	
1,2-Dibromoethane	50.0	56.06		ug/Kg		112	80 - 120	2	20	
Dibromomethane	50.0	55.21		ug/Kg		110	80 - 120	1	20	
1,2-Dichlorobenzene	50.0	54.60		ug/Kg		109	80 - 120	2	20	
1,3-Dichlorobenzene	50.0	53.46		ug/Kg		107	80 - 120	0	20	
1,4-Dichlorobenzene	50.0	51.20		ug/Kg		102	80 - 120	0	20	
Dichlorodifluoromethane	50.0	42.29		ug/Kg		85	63 - 146	14	20	

5

6

Client Sample ID: Lab Control Sample Dup

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 5	70-380022/2-A
Matrix: Solid	

Matrix: Solid Analysis Batch: 380035					÷.		Prep Type: Total/N Prep Batch: 38002		
Awalita	Spike Added	_	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Analyte 1.1-Dichloroethane	<u>Added</u>	58.55	Quaimer	ug/Kg		117	79_124	16	20
1,2-Dichloroethane	50.0	49.93		ug/Kg		100	77 - 120	1	20
1,1-Dichloroethene	50.0	40.00		ug/Kg		80	74 - 132	15	20
1,2-Dichloropropane	50.0	51.88		ug/Kg		104	80 - 126	0	20
1,3-Dichloropropane	50.0	54.02		ug/Kg		104	80 - 120		20
2,2-Dichloropropane	50.0	54.63		ug/Kg		109	73 - 135	14	20
1,1-Dichloropropene	50.0	42.51		ug/Kg		85	78 - 130	15	20
Di-isopropyl ether (DIPE)	50.0	60.85		ug/Kg		122	73 - 132	13	20
Ethanol	500	319.1		ug/Kg		64	46 - 159	30	30
Ethylbenzene	50.0	50.94		ug/Kg		102	40 - 100 80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0		*+ me	ug/Kg		131	77 - 129	15	20
2-Hexanone	50.0	62.32	' IIIC	ug/Kg ug/Kg		125	70 - 137	1	20
Isopropylbenzene	50.0	58.19		ug/Kg ug/Kg		125	80 - 122	1	20
Methylene Chloride	50.0	58.56		ug/Kg ug/Kg		117	74 - 120	16	20
-	50.0	58.80				118	74 - 120 74 - 124	0	20
4-Methyl-2-pentanone	50.0	68.65	*.	ug/Kg		137	74 - 124 79 - 123	19	20
Methyl-t-Butyl Ether (MTBE)			<b>T</b>	ug/Kg					
m,p-Xylene Naphthalene	100	103.9		ug/Kg		104	80 - 120	1	20
	50.0	60.16		ug/Kg		120	79_121	2	20
n-Butylbenzene	50.0	52.98		ug/Kg		106	79_131	0	20
N-Propylbenzene	50.0	53.15		ug/Kg		106	80 - 122	1	20
o-Xylene	50.0	52.28		ug/Kg		105	80 - 120	2	20
p-Isopropyltoluene	50.0	55.35		ug/Kg		111	80 - 126	1	20
sec-Butylbenzene	50.0	51.67		ug/Kg		103	80 - 125	1	20
Styrene	50.0	53.63		ug/Kg		107	80 - 120	1	20
Tert-amyl-methyl ether (TAME)	50.0	58.24		ug/Kg		116	80 - 120	1	20
tert-Butyl alcohol (TBA)	250	253.7		ug/Kg		101	74 - 123	2	20
tert-Butylbenzene	50.0	52.27		ug/Kg		105	80 - 124	1	20
1,1,1,2-Tetrachloroethane	50.0	48.72		ug/Kg		97	80 - 125	3	20
1,1,2,2-Tetrachloroethane	50.0	57.54		ug/Kg		115	80 - 124	0	20
Tetrachloroethene	50.0	52.04		ug/Kg		104	80 - 122	0	20
Toluene	50.0	49.06		ug/Kg		98	80 - 120	0	20
trans-1,2-Dichloroethene	50.0	58.45		ug/Kg		117	75 - 123	14	20
trans-1,3-Dichloropropene	50.0	50.10		ug/Kg		100	80 - 124	2	20
1,2,3-Trichlorobenzene	50.0	55.39		ug/Kg		111	80 - 123	1	20
1,2,4-Trichlorobenzene	50.0	59.17		ug/Kg		118	80 - 125	0	20
1,1,1-Trichloroethane	50.0	41.30		ug/Kg		83	78 - 130	13	20
1,1,2-Trichloroethane	50.0	53.18		ug/Kg		106	80 - 123	2	20
Trichloroethene	50.0	51.38		ug/Kg		103	80 - 127	1	20
Trichlorofluoromethane	50.0	41.41		ug/Kg		83	70 - 144	13	20
1,2,3-Trichloropropane	50.0	51.74		ug/Kg		103	79 - 120	1	20
1,1,2-Trichloro-1,2,2-trifluoroetha	50.0	35.21	*- me	ug/Kg		70	73 - 130	18	20
ne								-	
1,2,4-Trimethylbenzene	50.0	49.97		ug/Kg		100	80 - 124	0	20
1,3,5-Trimethylbenzene	50.0	53.16		ug/Kg		106	80 - 121	1	20
Vinyl acetate	50.0		*+ me	ug/Kg		133	71 - 125	19	20
Vinyl chloride	50.0	43.46		ug/Kg		87	79 - 133	14	20

# QC Sample Results

#### Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued) Lab Sample ID: LCSD 570-380022/2-A **Client Sample ID: Lab Control Sample Dup** Matrix: Solid Prep Type: Total/NA Analysis Batch: 380035 **Prep Batch: 380022** LCSD LCSD %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 97 80 - 120 Dibromofluoromethane (Surr) 106 58 - 147 85 32 - 179 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) 100 80 - 120 **Client Sample ID: Method Blank** Lab Sample ID: MB 570-380098/3-A Matrix: Solid Prep Type: Total/NA Analysis Batch: 380044 Prep Batch: 380098 MB MB Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Acetone ND 20 11/03/23 08:26 11/03/23 10:26 ug/Kg 1 Benzene ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 Bromobenzene ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 ND Bromochloromethane 2.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 Bromodichloromethane ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10.26 1 Bromoform ND 5.0 11/03/23 08:26 11/03/23 10:26 ug/Kg 1 Bromomethane 11/03/23 08:26 11/03/23 10:26 ND 20 ug/Kg 1 2-Butanone ND 20 11/03/23 08:26 11/03/23 10.26 ug/Kg 1 Carbon disulfide ND 10 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 Carbon tetrachloride ND 10 11/03/23 08:26 11/03/23 10:26 ug/Kg 1 Chlorobenzene 1.0 11/03/23 08:26 11/03/23 10:26 ND ug/Kg 1 Chloroethane ND 2.0 11/03/23 10:26 ug/Kg 11/03/23 08.26 1 Chloroform ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 Chloromethane ND 20 11/03/23 08:26 11/03/23 10:26 ug/Kg 1 11/03/23 10:26 2-Chlorotoluene ND 1.0 ug/Kg 11/03/23 08:26 1 4-Chlorotoluene ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 ND 11/03/23 08:26 11/03/23 10:26 cis-1,2-Dichloroethene 1.0 ug/Kg 1 cis-1,3-Dichloropropene ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 ND 2.0 Dibromochloromethane ug/Kg 11/03/23 08:26 11/03/23 10:26 1 1,2-Dibromo-3-Chloropropane ND 10 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 ND 1.0 11/03/23 08:26 11/03/23 10:26 1,2-Dibromoethane ug/Kg 1 Dibromomethane ND 1.0 11/03/23 08:26 11/03/23 10:26 ug/Kg 1 ND 1 2-Dichlorobenzene 10 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 1,3-Dichlorobenzene ND 1.0 11/03/23 08:26 11/03/23 10:26 ug/Kg 1.4-Dichlorobenzene ND 11/03/23 08:26 11/03/23 10:26 10 ug/Kg 1 Dichlorodifluoromethane ND 2.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 1,1-Dichloroethane ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 ND 1.0 11/03/23 08:26 11/03/23 10:26 1.2-Dichloroethane ug/Kg 1 1.1-Dichloroethene ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 1,2-Dichloropropane ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 1,3-Dichloropropane ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 ND 11/03/23 10:26 2,2-Dichloropropane 50 11/03/23 08:26 ug/Kg 1 ND 11/03/23 08:26 11/03/23 10:26 1,1-Dichloropropene 2.0 ug/Kg Di-isopropyl ether (DIPE) ND 1.0 11/03/23 08:26 11/03/23 10:26 ug/Kg 1 Ethanol ND 250 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 ND Ethylbenzene 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 Ethyl-t-butyl ether (ETBE) ND 1.0 ug/Kg 11/03/23 08:26 11/03/23 10:26 1 11/03/23 08:26 2-Hexanone ND 20 ug/Kg 11/03/23 10:26 1

#### Job ID: 570-159170-1

5 6 7

# **Client Sample ID: Method Blank** Prep Type: Total/NA Prep Batch: 380098

	2

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

MB MB

#### Lab Sample ID: MB 570-380098/3-A Matrix: Solid

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Methylene Chloride	ND		10	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
4-Methyl-2-pentanone	ND		20	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
m,p-Xylene	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Naphthalene	ND		10	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
n-Butylbenzene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
N-Propylbenzene	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
o-Xylene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
p-Isopropyltoluene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
sec-Butylbenzene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Styrene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
tert-Butylbenzene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Tetrachloroethene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Toluene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Trichloroethene	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Trichlorofluoromethane	ND		10	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Vinyl acetate	ND		10	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Vinyl chloride	ND		1.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Xylenes, Total	ND		2.0	ug/Kg		11/03/23 08:26	11/03/23 10:26	1
	MB					<b>_</b> .		<b>-</b> <i>u</i> -
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120			11/03/23 08:26	11/03/23 10:26	1

4-Bromofluorobenzene (Surr)	99	80 - 120	11/03/23 08:26 11/03/23 10:26 1
Dibromofluoromethane (Surr)	98	58 - 147	11/03/23 08:26 11/03/23 10:26 1
1,2-Dichloroethane-d4 (Surr)	96	32 - 179	11/03/23 08:26 11/03/23 10:26 1
Toluene-d8 (Surr)	100	80 - 120	11/03/23 08:26 11/03/23 10:26 1

#### Lab Sample ID: LCS 570-380098/1-A **Matrix: Solid** Analysis Batch: 380044

Analysis Batch: 380044							Prep Ba	atch: 380098
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Acetone	50.0	64.14		ug/Kg		128	61 - 142	
Benzene	50.0	51.10		ug/Kg		102	80 - 120	

**Eurofins Calscience** 

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS	570-380098/1-A
Matrix: Solid	

matri	<b>.</b> . U	ond	
Analy	/sis	Batch:	380044

Lab Sample ID: LCS 570-380098/1-A			Clien	it Sample ID	: Lab Control Sample
Matrix: Solid					Prep Type: Total/NA
Analysis Batch: 380044	0				Prep Batch: 380098
Analysis	Spike Added	LCS LCS	16		%Rec
Analyte	Added	Result Qual		<u>D</u> %Rec	Limits
Bromobenzene		52.93	ug/Kg	106	80 - 120
Bromochloromethane	50.0	53.88	ug/Kg	108	80 - 120
Bromodichloromethane	50.0	53.06	ug/Kg	106	80 - 125
Bromoform	50.0	55.97	ug/Kg	112	74 - 138
Bromomethane	50.0	51.82	ug/Kg	104	58 - 136
2-Butanone	50.0	51.80	ug/Kg	104	67 - 136
Carbon disulfide	50.0	45.65	ug/Kg	91	68 - 128
Carbon tetrachloride	50.0	48.68	ug/Kg	97	75 - 140
Chlorobenzene	50.0	52.16	ug/Kg	104	80 - 120
Chloroethane	50.0	57.21	ug/Kg	114	76 - 137
Chloroform	50.0	48.13	ug/Kg	96	80 - 121
Chloromethane	50.0	45.63	ug/Kg	91	74 - 133
2-Chlorotoluene	50.0	52.57	ug/Kg	105	80 - 120
4-Chlorotoluene	50.0	52.02	ug/Kg	104	80 - 121
cis-1,2-Dichloroethene	50.0	53.13	ug/Kg	106	80 - 124
cis-1,3-Dichloropropene	50.0	56.19	ug/Kg	112	80 - 123
Dibromochloromethane	50.0	54.01	ug/Kg	108	80 - 132
1,2-Dibromo-3-Chloropropane	50.0	57.21	ug/Kg	114	67 - 120
1,2-Dibromoethane	50.0	55.33	ug/Kg	111	80 - 120
Dibromomethane	50.0	54.53	ug/Kg	109	80 - 120
1,2-Dichlorobenzene	50.0	52.85	ug/Kg	106	80 - 120
1,3-Dichlorobenzene	50.0	53.57	ug/Kg	107	80 - 120
1,4-Dichlorobenzene	50.0	51.71	ug/Kg	103	80 - 120
Dichlorodifluoromethane	50.0	51.43	ug/Kg	103	63 - 146
1,1-Dichloroethane	50.0	52.76	ug/Kg	106	79 - 124
1.2-Dichloroethane	50.0	49.32	ug/Kg	99	77 _ 120
1,1-Dichloroethene	50.0	49.43	ug/Kg	99	74 - 132
1,2-Dichloropropane	50.0	54.30	ug/Kg	109	80 - 126
1,3-Dichloropropane	50.0	54.56	ug/Kg	109	80 - 120
2,2-Dichloropropane	50.0	62.52	ug/Kg	125	73 - 135
1,1-Dichloropropene	50.0	51.03	ug/Kg	102	78 - 130
Di-isopropyl ether (DIPE)	50.0	48.50	ug/Kg	97	73 - 132
Ethanol	500	356.2	ug/Kg	71	46 - 159
Ethylbenzene	50.0	52.33	ug/Kg	105	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	58.55	ug/Kg	100	77 - 129
2-Hexanone	50.0	55.26	ug/Kg	117	70 - 137
Isopropylbenzene	50.0	56.07	ug/Kg	111	80 - 122
				112	74 - 120
Methylene Chloride	50.0	51.29	ug/Kg		
4-Methyl-2-pentanone	50.0	61.98	ug/Kg	124	74 - 124
Methyl-t-Butyl Ether (MTBE)	50.0	56.56	ug/Kg	113	79 - 123
m,p-Xylene	100	107.1	ug/Kg	107	80 - 120
Naphthalene	50.0	56.71	ug/Kg	113	79 - 121
n-Butylbenzene	50.0	54.24	ug/Kg	108	79-131
N-Propylbenzene	50.0	54.85	ug/Kg	110	80 - 122
o-Xylene	50.0	51.86	ug/Kg	104	80 - 120
p-lsopropyltoluene	50.0	52.41	ug/Kg	105	80 - 126
sec-Butylbenzene	50.0	54.37	ug/Kg	109	80 - 125
Styrene	50.0	53.44	ug/Kg	107	80 - 120
Tert-amyl-methyl ether (TAME)	50.0	61.42 *+ me	e ug/Kg	123	80 - 120

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Lab Control Sample Dup

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-380098/1-A	1
Matrix: Solid	

matri	<b>.</b> . U	ond		
Analy	vsis	<b>Batch</b>	: 380044	

Matrix: Solid Analysis Batch: 380044				Che		Prep Type: Total/NA Prep Batch: 380098	2
· ·····, · · · · · · · · · · · · · · ·	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier	Unit	D %Rec	Limits	
tert-Butyl alcohol (TBA)	250	261.5		ug/Kg	105	74 - 123	6
tert-Butylbenzene	50.0	53.10		ug/Kg	106	80 - 124	
1,1,1,2-Tetrachloroethane	50.0	55.64		ug/Kg	111	80 - 125	
1,1,2,2-Tetrachloroethane	50.0	60.20		ug/Kg	120	80 - 124	
Tetrachloroethene	50.0	51.41		ug/Kg	103	80 - 122	C
Toluene	50.0	53.60		ug/Kg	107	80 - 120	
trans-1,2-Dichloroethene	50.0	51.24		ug/Kg	102	75 - 123	
trans-1,3-Dichloropropene	50.0	62.23		ug/Kg	124	80 - 124	
1,2,3-Trichlorobenzene	50.0	54.28		ug/Kg	109	80 - 123	
1,2,4-Trichlorobenzene	50.0	56.24		ug/Kg	112	80 - 125	
1,1,1-Trichloroethane	50.0	51.59		ug/Kg	103	78 - 130	
1,1,2-Trichloroethane	50.0	55.61		ug/Kg	111	80 - 123	
Trichloroethene	50.0	52.37		ug/Kg	105	80 - 127	
Trichlorofluoromethane	50.0	58.42		ug/Kg	117	70 - 144	
1,2,3-Trichloropropane	50.0	56.67		ug/Kg	113	79 - 120	-
1,1,2-Trichloro-1,2,2-trifluoroetha	50.0	50.63		ug/Kg	101	73 - 130	
ne							
1,2,4-Trimethylbenzene	50.0	52.80		ug/Kg	106	80 - 124	
1,3,5-Trimethylbenzene	50.0	53.20		ug/Kg	106	80 - 121	
Vinyl acetate	50.0	71.80	*+	ug/Kg	144	71 - 125	
Vinyl chloride	50.0	56.78		ug/Kg	114	79 - 133	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	99		58 - 147
1,2-Dichloroethane-d4 (Surr)	96		32 - 179
Toluene-d8 (Surr)	104		80 - 120

#### Lab Sample ID: LCSD 570-380098/2-A Matrix: Solid Analysis Batch: 380044

Analysis Batch: 380044						Prep Ba	tch: 38	80098
	Spike	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifie	r Unit	D	%Rec	Limits	RPD	Limit
Acetone	50.0	58.55	ug/Kg		117	61 - 142	9	23
Benzene	50.0	49.30	ug/Kg		99	80 - 120	4	20
Bromobenzene	50.0	51.85	ug/Kg		104	80 - 120	2	20
Bromochloromethane	50.0	52.49	ug/Kg		105	80 - 120	3	20
Bromodichloromethane	50.0	51.53	ug/Kg		103	80 - 125	3	20
Bromoform	50.0	55.24	ug/Kg		110	74 - 138	1	20
Bromomethane	50.0	49.42	ug/Kg		99	58 - 136	5	20
2-Butanone	50.0	46.85	ug/Kg		94	67 - 136	10	20
Carbon disulfide	50.0	43.06	ug/Kg		86	68 - 128	6	20
Carbon tetrachloride	50.0	47.62	ug/Kg		95	75 - 140	2	20
Chlorobenzene	50.0	50.51	ug/Kg		101	80 - 120	3	20
Chloroethane	50.0	54.28	ug/Kg		109	76 - 137	5	20
Chloroform	50.0	46.69	ug/Kg		93	80 - 121	3	20
Chloromethane	50.0	40.54	ug/Kg		81	74 - 133	12	20
2-Chlorotoluene	50.0	50.50	ug/Kg		101	80 - 120	4	20
4-Chlorotoluene	50.0	51.22	ug/Kg		102	80 - 121	2	20

**Eurofins Calscience** 

Prep Type: Total/NA

6

Client Sample ID: Lab Control Sample Dup

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-380098/2-A
Matrix: Solid

Lab Sample ID: LCSD 570-380098/2-A				chem Sa	inple	ID. Lat	Control		
Matrix: Solid							Prep Ty		
Analysis Batch: 380044							Prep Ba	atch: 38	
	Spike		LCSD		_	~ <b>-</b>	%Rec		RPD
Analyte	Added		Qualifier		D	%Rec	Limits	RPD	Limit
cis-1,2-Dichloroethene	50.0	52.21		ug/Kg		104	80 - 124	2	20
cis-1,3-Dichloropropene	50.0	53.10		ug/Kg		106	80 - 123	6	20
Dibromochloromethane	50.0	52.54		ug/Kg		105	80 - 132	3	20
1,2-Dibromo-3-Chloropropane	50.0	52.86		ug/Kg		106	67 - 120	8	20
1,2-Dibromoethane	50.0	53.69		ug/Kg		107	80 - 120	3	20
Dibromomethane	50.0	54.83		ug/Kg		110	80 - 120	1	20
1,2-Dichlorobenzene	50.0	53.01		ug/Kg		106	80 - 120	0	20
1,3-Dichlorobenzene	50.0	53.38		ug/Kg		107	80 - 120	0	20
1,4-Dichlorobenzene	50.0	51.54		ug/Kg		103	80 - 120	0	20
Dichlorodifluoromethane	50.0	49.62		ug/Kg		99	63 - 146	4	20
1,1-Dichloroethane	50.0	51.29		ug/Kg		103	79 - 124	3	20
1,2-Dichloroethane	50.0	47.15		ug/Kg		94	77 - 120	4	20
1,1-Dichloroethene	50.0	47.02		ug/Kg		94	74 - 132	5	20
1,2-Dichloropropane	50.0	52.32		ug/Kg		105	80 - 126	4	20
1,3-Dichloropropane	50.0	52.86		ug/Kg		106	80 - 120	3	20
2,2-Dichloropropane	50.0	58.95		ug/Kg		118	73 - 135	6	20
1,1-Dichloropropene	50.0	48.98		ug/Kg		98	78 - 130	4	20
Di-isopropyl ether (DIPE)	50.0	47.40		ug/Kg		95	73 - 132	2	20
Ethanol	500	362.8		ug/Kg		73	46 - 159	2	30
Ethylbenzene	50.0	50.89		ug/Kg		102	80 - 120	3	20
Ethyl-t-butyl ether (ETBE)	50.0	57.11		ug/Kg		114	77 - 129	2	20
2-Hexanone	50.0	50.77		ug/Kg		102	70 - 137	8	20
Isopropylbenzene	50.0	54.15		ug/Kg ug/Kg		102	80 - 122	3	20
Methylene Chloride	50.0	49.44		ug/Kg		99	74 - 120	4	20
4-Methyl-2-pentanone	50.0	58.60		ug/Kg ug/Kg		117	74 - 120	4 6	20
Methyl-t-Butyl Ether (MTBE)	50.0	54.78		ug/Kg ug/Kg		110	74 - 124 79 - 123	3	20
								4	
m,p-Xylene	100	103.3		ug/Kg		103	80 - 120		20
Naphthalene	50.0	56.42		ug/Kg		113	79_121	1	20
n-Butylbenzene	50.0	52.76		ug/Kg		106	79_131	3	20
N-Propylbenzene	50.0	52.35		ug/Kg		105	80 - 122	5	20
o-Xylene	50.0	50.17		ug/Kg		100	80 - 120	3	20
p-Isopropyltoluene	50.0	51.59		ug/Kg		103	80 - 126	2	20
sec-Butylbenzene	50.0	53.39		ug/Kg		107	80 - 125	2	20
Styrene	50.0	51.99		ug/Kg		104	80 - 120	3	20
Tert-amyl-methyl ether (TAME)	50.0	58.09		ug/Kg		116	80 - 120	6	20
tert-Butyl alcohol (TBA)	250	261.1		ug/Kg		104	74 - 123	0	20
tert-Butylbenzene	50.0	51.51		ug/Kg		103	80 - 124	3	20
1,1,1,2-Tetrachloroethane	50.0	53.10		ug/Kg		106	80 - 125	5	20
1,1,2,2-Tetrachloroethane	50.0	58.42		ug/Kg		117	80 - 124	3	20
Tetrachloroethene	50.0	49.72		ug/Kg		99	80 - 122	3	20
Toluene	50.0	51.98		ug/Kg		104	80 - 120	3	20
trans-1,2-Dichloroethene	50.0	49.98		ug/Kg		100	75 - 123	2	20
trans-1,3-Dichloropropene	50.0	60.20		ug/Kg		120	80 - 124	3	20
1,2,3-Trichlorobenzene	50.0	53.31		ug/Kg		107	80 - 123	2	20
1,2,4-Trichlorobenzene	50.0	55.13		ug/Kg		110	80 - 125	2	20
1,1,1-Trichloroethane	50.0	49.81		ug/Kg		100	78 - 130	4	20
1,1,2-Trichloroethane	50.0	53.63		ug/Kg		107	80 - 123	4	20
Trichloroethene	50.0	50.41		ug/Kg		101	80 - 127	4	20
Trichlorofluoromethane	50.0	56.53		ug/Kg		113	70 - 144	3	20

6

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570	-380098/2-A	L .			C	Client Sa	mple	ID: Lat	Control		
Matrix: Solid									Prep Ty	-	
Analysis Batch: 380044			• •						Prep Ba	atch: 38	
			Spike	-	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2,3-Trichloropropane			50.0	53.53		ug/Kg		107	79 - 120	6	20
1,1,2-Trichloro-1,2,2-trifluoroetha			50.0	48.85		ug/Kg		98	73 - 130	4	20
ne											
1,2,4-Trimethylbenzene			50.0	52.02		ug/Kg		104	80 - 124	1	20
1,3,5-Trimethylbenzene			50.0	51.03		ug/Kg		102	80 - 121	4	20
Vinyl acetate			50.0	68.65	*+	ug/Kg		137	71 - 125	4	20
Vinyl chloride			50.0	53.83		ug/Kg		108	79 - 133	5	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		80 - 120								
Dibromofluoromethane (Surr)	99		58 - 147								
1,2-Dichloroethane-d4 (Surr)	97		32 - 179								

80 - 120

# Method: 8015B - Diesel Range Organics (DRO) (GC)

102

#### Lab Sample ID: MB 570-379841/1-B Matrix: Solid Analysis Batch: 380576

Toluene-d8 (Surr)

#### Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 379841

	MB	MB							
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Ko	]	11/02/23 19:00	11/05/23 20:13	1
C7 as C7	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C8 as C8	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C9-C10	ND		5.0		mg/Kg	]	11/02/23 19:00	11/05/23 20:13	1
C11-C12	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C13-C14	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C15-C16	ND		5.0		mg/Kg	]	11/02/23 19:00	11/05/23 20:13	1
C17-C18	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C19-C20	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C21-C22	ND		5.0		mg/Kg	]	11/02/23 19:00	11/05/23 20:13	1
C23-C24	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C25-C28	ND		5.0		mg/Ko	9	11/02/23 19:00	11/05/23 20:13	1
C29-C32	ND		5.0		mg/Kg	]	11/02/23 19:00	11/05/23 20:13	1
C33-C36	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C37-C40	ND		5.0		mg/Kg	9	11/02/23 19:00	11/05/23 20:13	1
C41-C44	ND		5.0		mg/Kg	]	11/02/23 19:00	11/05/23 20:13	1
C6-C44	ND		5.0		mg/Ko	9	11/02/23 19:00	11/05/23 20:13	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	83		60 - 138				11/02/23 19:00	11/05/23 20:13	1
	0044/2 D					Olion			Dominia
Lab Sample ID: LCS 570-37	9841/2-B					Clien		Lab Control S	
Matrix: Solid								Prep Type: To	
Analysis Batch: 380576			0					Prep Batch:	3/9841
Analysis			Spike	-	LCS	11 14		%Rec	
Analyte			Added	Result	Qualifier	Unit	<u>D%Rec</u>	Limits	

TPH as Diesel (C10-C28)

**Eurofins Calscience** 

93

mg/Kg

80 - 130

372.2

400

# Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-3 Matrix: Solid Analysis Batch: 380576	379841/2-B					Clier	nt Sai	mple ID	: Lab Cor Prep Ty Prep Ba	pe: Tot	al/NA	
		LCS							Перы		5041	
Surrogate n-Octacosane (Surr)	%Recovery 95	Qualifier	Limits 60 - 138									
Lab Sample ID: LCSD 570 Matrix: Solid Analysis Batch: 380576	)-379841/3-Е	5	Spike	LCSD	LCSD	Client Sa	mple	ID: Lat	Control Prep Ty Prep Ba %Rec	pe: Tot	al/NA	
Analyte TPH as Diesel (C10-C28)			<b>Added</b> 400	<b>Result</b> 362.2	Qualifier	Unit mg/Kg	<u>D</u>	<b>%Rec</b> 91	Limits 80 - 130	<b>RPD</b> 3	Limit 20	
Surrogate		LCSD	Limits									
n-Octacosane (Surr)	%Recovery 92	Quaimer	<u> </u>									

# Method: 8260B - Volatile Organic Compounds (GC/MS)

#### Lab Sample ID: LCSD 570-380022/2-A Matrix: Solid

Lab Sample ID: LCSD 570 Matrix: Solid						Short C		Lab Control Sample Dup Prep Type: Total/NA
	Spike	LCSD	LCSD			%Rec.	ME %Rec.	Marginal Exceedance
Analyte	Added		Qualifier	Unit	%Rec	Limits	Limits	Status
Acetone	50.0	56.23		ug/Kg	112	61 - 142	48 - 156	
Benzene	50.0	50.06		ug/Kg	100	80 - 120	73 - 127	
Bromobenzene	50.0	52.94		ug/Kg	106	80 - 120	73 - 127	
Bromochloromethane	50.0	58.93		ug/Kg	118	80 - 120	73 - 127	
Bromodichloromethane	50.0	50.17		ug/Kg	100	80 - 125	73 - 133	
Bromoform	50.0	46.33		ug/Kg	93	74 - 138	63 - 149	
Bromomethane	50.0	42.28		ug/Kg	85	58 - 136	45 - 149	
2-Butanone	50.0	57.59		ug/Kg	115	67 - 136	56 - 148	
Carbon disulfide	50.0	52.56		ug/Kg	105	68 - 128	58 - 138	
Carbon tetrachloride	50.0	39.33		ug/Kg	79	75 - 140	64 - 151	
Chlorobenzene	50.0	49.93		ug/Kg	100	80 - 120	73 - 127	
Chloroethane	50.0	41.49		ug/Kg	83	76 - 137	66 - 147	
Chloroform	50.0	54.16		ug/Kg	108	80 - 121	73 - 128	
Chloromethane	50.0	44.44		ug/Kg	89	74 - 133	64 - 143	
2-Chlorotoluene	50.0	51.28		ug/Kg	103	80 - 120	73 - 127	
4-Chlorotoluene	50.0	51.85		ug/Kg	100	80 - 121	73 - 128	
cis-1,2-Dichloroethene	50.0	57.83		ug/Kg	116	80 - 124	73 - 131	
cis-1,3-Dichloropropene	50.0	49.09		ug/Kg	98	80 - 123	73 - 130	
Dibromochloromethane	50.0	51.24		ug/Kg	102	80 - 132	71 - 141	
1,2-Dibromo-3-Chloropropane	50.0	50.90		ug/Kg ug/Kg	102	67 - 120	58 - 129	
1,2-Dibromoethane	50.0	56.06		ug/Kg	102	80 - 120	73 - 127	
Dibromomethane	50.0	55.21		ug/Kg	112	80 - 120	73 - 127	
1,2-Dichlorobenzene	50.0	54.60		ug/Kg ug/Kg	109	80 - 120 80 - 120	73 - 127	
1,3-Dichlorobenzene	50.0	53.46		ug/Kg	103	80 - 120 80 - 120	73 - 127	
1,4-Dichlorobenzene	50.0	51.20		ug/Kg	107	80 - 120	73 - 127	
Dichlorodifluoromethane	50.0	42.29		ug/Kg ug/Kg	85	63 - 146	49 - 160	
1,1-Dichloroethane	50.0	42.29 58.55		ug/Kg ug/Kg	117	79 - 124	49 - 100 72 - 132	
1,2-Dichloroethane	50.0	49.93		ug/Kg ug/Kg	100	79 - 124	72 - 132	
1,1-Dichloroethene	50.0	49.93				74 - 120	64 - 142	
	50.0	40.00 51.88		ug/Kg	80 104	74 - 132 80 - 126	04 - 142 72 - 134	
1,2-Dichloropropane				ug/Kg	104			
1,3-Dichloropropane	50.0	54.02		ug/Kg	108	80 - 120	73 - 127 63 - 145	
2,2-Dichloropropane	50.0	54.63		ug/Kg	109	73 - 135		
1,1-Dichloropropene	50.0	42.51		ug/Kg	85	78 - 130	69 - 139	
Di-isopropyl ether (DIPE)	50.0	60.85		ug/Kg	122	73 - 132	63 - 142	
Ethanol	500	319.1		ug/Kg	64	46 - 159	27 - 178	
Ethylbenzene	50.0	50.94	4	ug/Kg	102	80 - 120	73 - 127	
Ethyl-t-butyl ether (ETBE)	50.0		*+ me	ug/Kg	131	77 - 129	68 - 138	ME
2-Hexanone	50.0	62.32		ug/Kg	125	70 - 137	59 - 148	
Isopropylbenzene	50.0	58.19		ug/Kg	116	80 - 122	73 - 129	
Methylene Chloride	50.0	58.56		ug/Kg	117	74 - 120	66 - 128	
4-Methyl-2-pentanone	50.0	58.80		ug/Kg	118	74 - 124	66 - 132	Ň
Methyl-t-Butyl Ether (MTBE)	50.0	68.65	° <b>+</b>	ug/Kg	137	79 - 123	72 - 130	Х
m,p-Xylene	100	103.9		ug/Kg	104	80 - 120	73 - 127	
Naphthalene	50.0	60.16		ug/Kg	120	79 - 121	72 - 128	
n-Butylbenzene	50.0	52.98		ug/Kg	106	79 - 131	70 - 140	
N-Propylbenzene	50.0	53.15		ug/Kg	106	80 - 122	73 - 129	
o-Xylene	50.0	52.28		ug/Kg	105	80 - 120	73 - 127	
p-Isopropyltoluene	50.0	55.35		ug/Kg	111	80 - 126	72 - 134	
sec-Butylbenzene	50.0	51.67		ug/Kg	103	80 - 125	73 - 133	

**Eurofins Calscience** 

5

6

Client Sample ID: Lab Control Sample Dup

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

#### Lab Sample ID: LCSD 570-380022/2-A Matrix: Solid

Matrix: Solid								Prep Type: Total/NA
	Spike	LCSD	LCSD			%Rec.	ME %Rec.	Marginal Exceedance
Analyte	Added	Result	Qualifier	Unit	%Rec	Limits	Limits	Status
Styrene	50.0	53.63		ug/Kg	107	80 - 120	73 - 127	
Tert-amyl-methyl ether (TAME)	50.0	58.24		ug/Kg	116	80 - 120	73 - 127	
tert-Butyl alcohol (TBA)	250	253.7		ug/Kg	101	74 - 123	66 - 131	
tert-Butylbenzene	50.0	52.27		ug/Kg	105	80 - 124	73 - 131	
1,1,1,2-Tetrachloroethane	50.0	48.72		ug/Kg	97	80 - 125	73 - 133	
1,1,2,2-Tetrachloroethane	50.0	57.54		ug/Kg	115	80 - 124	73 - 131	
Tetrachloroethene	50.0	52.04		ug/Kg	104	80 - 122	73 - 129	
Toluene	50.0	49.06		ug/Kg	98	80 - 120	73 - 127	
trans-1,2-Dichloroethene	50.0	58.45		ug/Kg	117	75 - 123	67 - 131	
trans-1,3-Dichloropropene	50.0	50.10		ug/Kg	100	80 - 124	73 - 131	
1,2,3-Trichlorobenzene	50.0	55.39		ug/Kg	111	80 - 123	73 - 130	
1,2,4-Trichlorobenzene	50.0	59.17		ug/Kg	118	80 - 125	73 - 133	
1,1,1-Trichloroethane	50.0	41.30		ug/Kg	83	78 - 130	69 - 139	
1,1,2-Trichloroethane	50.0	53.18		ug/Kg	106	80 - 123	73 - 130	
Trichloroethene	50.0	51.38		ug/Kg	103	80 - 127	72 - 135	
Trichlorofluoromethane	50.0	41.41		ug/Kg	83	70 - 144	58 - 156	
1,2,3-Trichloropropane	50.0	51.74		ug/Kg	103	79 - 120	72 - 127	
1,1,2-Trichloro-1,2,2-trifluoroetha	50.0	35.21	*- me	ug/Kg	70	73 - 130	64 - 140	ME
ne 1,2,4-Trimethylbenzene	50.0	49.97		ug/Kg	100	80 - 124	73 - 131	
1,3,5-Trimethylbenzene	50.0	49.97 53.16		ug/Kg ug/Kg	100	80 - 124 80 - 121	73 - 128	
Vinyl acetate	50.0	66.39	*+ mo	ug/Kg ug/Kg	133	71 - 125	62 - 134	ME
	50.0 50.0	43.46			87		02 - 134 70 - 142	IVIE
Vinyl chloride	50.0	43.40		ug/Kg	87	79 - 133	70-142	

Number of	Number of Marginal	Number of Marginal
Analytes Reported	Exceedances Allowed	Exceedances Found
71	4	3

ME = Marginal Exceedance

*X* = % *Recovery is greater than widest possible limit* 

#### Lab Sample ID: LCS 570-380098/1-A Matrix: Solid

Matrix: Solid								Prep Type: Total/N/
	Spike	LCS	LCS			%Rec.	ME %Rec.	Marginal Exceedance
Analyte	Added	Result	Qualifier	Unit	%Rec	Limits	Limits	Status
Acetone	50.0	64.14		ug/Kg	128	61 - 142	48 - 156	
Benzene	50.0	51.10		ug/Kg	102	80 - 120	73 - 127	
Bromobenzene	50.0	52.93		ug/Kg	106	80 - 120	73 - 127	
Bromochloromethane	50.0	53.88		ug/Kg	108	80 - 120	73 - 127	
Bromodichloromethane	50.0	53.06		ug/Kg	106	80 - 125	73 - 133	
Bromoform	50.0	55.97		ug/Kg	112	74 - 138	63 - 149	
Bromomethane	50.0	51.82		ug/Kg	104	58 - 136	45 - 149	
2-Butanone	50.0	51.80		ug/Kg	104	67 - 136	56 - 148	
Carbon disulfide	50.0	45.65		ug/Kg	91	68 - 128	58 - 138	
Carbon tetrachloride	50.0	48.68		ug/Kg	97	75 - 140	64 - 151	
Chlorobenzene	50.0	52.16		ug/Kg	104	80 - 120	73 - 127	
Chloroethane	50.0	57.21		ug/Kg	114	76 - 137	66 - 147	
Chloroform	50.0	48.13		ug/Kg	96	80 - 121	73 - 128	
Chloromethane	50.0	45.63		ug/Kg	91	74 - 133	64 - 143	
2-Chlorotoluene	50.0	52.57		ug/Kg	105	80 - 120	73 - 127	

**Client Sample ID: Lab Control Sample Dup** 

**Client Sample ID: Lab Control Sample** 

Job ID: 570-159170-1

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

#### Lab Sample ID: LCS 570-380098/1-A Matrix: Solid

Matrix: Solid								Prep Type: Total		
	Spike	LCS				%Rec.	ME %Rec.	Marginal Exceedance		
Analyte	Added		Qualifier	Unit	%Rec	Limits	Limits	Status		
4-Chlorotoluene	50.0	52.02		ug/Kg	104	80 - 121	73 - 128			
cis-1,2-Dichloroethene	50.0	53.13		ug/Kg	106	80 - 124	73 - 131			
cis-1,3-Dichloropropene	50.0	56.19		ug/Kg	112	80 - 123	73 - 130			
Dibromochloromethane	50.0	54.01		ug/Kg	108	80 - 132	71 - 141			
I,2-Dibromo-3-Chloropropane	50.0	57.21		ug/Kg	114	67 - 120	58 - 129			
l,2-Dibromoethane	50.0	55.33		ug/Kg	111	80 - 120	73 - 127			
Dibromomethane	50.0	54.53		ug/Kg	109	80 - 120	73 - 127			
,2-Dichlorobenzene	50.0	52.85		ug/Kg	106	80 - 120	73 - 127			
I,3-Dichlorobenzene	50.0	53.57		ug/Kg	107	80 - 120	73 - 127			
,4-Dichlorobenzene	50.0	51.71		ug/Kg	103	80 - 120	73 - 127			
Dichlorodifluoromethane	50.0	51.43		ug/Kg	103	63 - 146	49 - 160			
,1-Dichloroethane	50.0	52.76		ug/Kg	106	79 - 124	72 - 132			
,2-Dichloroethane	50.0	49.32		ug/Kg	99	77 - 120	70 - 127			
,1-Dichloroethene	50.0	49.43		ug/Kg	99	74 - 132	64 - 142			
,2-Dichloropropane	50.0	54.30		ug/Kg	109	80 - 126	72 - 134			
,3-Dichloropropane	50.0	54.56		ug/Kg	109	80 - 120	73 - 127			
,2-Dichloropropane	50.0	62.52		ug/Kg	125	73 - 135	63 - 145			
,1-Dichloropropene	50.0	51.03		ug/Kg	102	78 - 130	69 - 139			
Di-isopropyl ether (DIPE)	50.0	48.50		ug/Kg	97	73 - 132	63 - 142			
thanol	500	356.2		ug/Kg ug/Kg	71	46 - 159	27 - 178			
thylbenzene	500 50.0	52.33		ug/Kg ug/Kg	105	40 - 159 80 - 120	73 - 127			
thyl-t-butyl ether (ETBE)	50.0	58.55		ug/Kg	117	77 - 129	68 - 138			
-Hexanone	50.0	55.26		ug/Kg	111	70 - 137	59 - 148			
sopropylbenzene	50.0	56.07		ug/Kg	112	80 - 122	73 - 129			
lethylene Chloride	50.0	51.29		ug/Kg	103	74 - 120	66 - 128			
-Methyl-2-pentanone	50.0	61.98		ug/Kg	124	74 - 124	66 - 132			
lethyl-t-Butyl Ether (MTBE)	50.0	56.56		ug/Kg	113	79 - 123	72 - 130			
n,p-Xylene	100	107.1		ug/Kg	107	80 - 120	73 - 127			
laphthalene	50.0	56.71		ug/Kg	113	79 - 121	72 - 128			
-Butylbenzene	50.0	54.24		ug/Kg	108	79 - 131	70 - 140			
J-Propylbenzene	50.0	54.85		ug/Kg	110	80 - 122	73 - 129			
-Xylene	50.0	51.86		ug/Kg	104	80 - 120	73 - 127			
-Isopropyltoluene	50.0	52.41		ug/Kg	105	80 - 126	72 - 134			
ec-Butylbenzene	50.0	54.37		ug/Kg	109	80 - 125	73 - 133			
styrene	50.0	53.44		ug/Kg	107	80 - 120	73 - 127			
ert-amyl-methyl ether (TAME)	50.0	61.42	*+ me	ug/Kg	123	80 - 120	73 - 127	ME		
ert-Butyl alcohol (TBA)	250	261.5		ug/Kg	105	74 - 123	66 - 131			
ert-Butylbenzene	50.0	53.10		ug/Kg	106	80 - 124	73 - 131			
,1,1,2-Tetrachloroethane	50.0	55.64		ug/Kg	111	80 - 125	73 - 133			
,1,2,2-Tetrachloroethane	50.0	60.20		ug/Kg	120	80 - 124	73 - 131			
etrachloroethene	50.0	51.41		ug/Kg	103	80 - 124	73 - 129			
oluene	50.0	53.60		ug/Kg ug/Kg	105	80 - 122 80 - 120	73 - 123			
ans-1,2-Dichloroethene	50.0 50.0			7 7	107 102	80 - 120 75 - 123				
	50.0 50.0	51.24 62.23		ug/Kg	102	75 - 123 80 - 124	67 - 131 73 - 131			
ans-1,3-Dichloropropene		62.23		ug/Kg			73 - 131			
,2,3-Trichlorobenzene	50.0	54.28		ug/Kg	109	80 - 123	73 - 130			
,2,4-Trichlorobenzene	50.0	56.24		ug/Kg	112	80 - 125	73 - 133			
,1,1-Trichloroethane	50.0	51.59		ug/Kg	103	78 - 130	69 - 139			
,1,2-Trichloroethane	50.0	55.61		ug/Kg	111	80 - 123	73 - 130			
Trichloroethene	50.0	52.37		ug/Kg	105	80 - 127	72 - 135			
Trichlorofluoromethane	50.0	58.42		ug/Kg	117	70 - 144	58 - 156			

**Eurofins Calscience** 

5

6

13

Job ID: 570-159170-1

**Client Sample ID: Lab Control Sample** 

Unit

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

1

Number of Marginal

**Exceedances Found** 

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Spike

Added

50.0

50.0

50.0

50.0

50.0

50.0

**Number of Marginal** 

**Exceedances Allowed** 

LCS LCS

56.67

50.63

52.80

53.20

56.78

4

71.80 \*+

Result Qualifier

Client: EnviroApplications, Inc. Project/Site: Lennar Greenbriar

**Matrix: Solid** 

1,2,3-Trichloropropane

1,2,4-Trimethylbenzene

1,3,5-Trimethylbenzene

Vinyl acetate

Vinyl chloride

Summary

1,1,2-Trichloro-1,2,2-trifluoroetha

Analyte

ne

Lab Sample ID: LCS 570-380098/1-A

#### Job ID: 570-159170-1

Prep Type: Total/NA

# 1 2 3 4 5 6 7 8 9 10

70 - 142

**Client Sample ID: Lab Control Sample** 

%Rec.

Limits

79 - 120

73 - 130

80 - 124

80 - 121

71 - 125

79 - 133

%Rec

113

101

106

106

144

114

ME %Rec.

Limits

72 - 127

64 - 140

73 - 131

73 - 128

62 - 134

Marginal Exceedance

Status

Х

ME = Marginal Exceedance

*X* = % Recovery is greater than widest possible limit

71

Number of

**Analytes Reported** 

#### Lab Sample ID: LCSD 570-380098/2-A Matrix: Solid

Client Sample ID: La	b Control Sample Dup
	Pren Type: Total/NA

	Spike	LCSD	LCSD			%Rec.	ME %Rec.	Marginal Exceedance
Analyte	Added	Result	Qualifier	Unit	%Rec	Limits	Limits	Status
Acetone	50.0	58.55		ug/Kg	117	61 - 142	48 - 156	
Benzene	50.0	49.30		ug/Kg	99	80 - 120	73 - 127	
Bromobenzene	50.0	51.85		ug/Kg	104	80 - 120	73 - 127	
Bromochloromethane	50.0	52.49		ug/Kg	105	80 - 120	73 - 127	
Bromodichloromethane	50.0	51.53		ug/Kg	103	80 - 125	73 - 133	
Bromoform	50.0	55.24		ug/Kg	110	74 - 138	63 - 149	
Bromomethane	50.0	49.42		ug/Kg	99	58 - 136	45 - 149	
2-Butanone	50.0	46.85		ug/Kg	94	67 - 136	56 - 148	
Carbon disulfide	50.0	43.06		ug/Kg	86	68 - 128	58 - 138	
Carbon tetrachloride	50.0	47.62		ug/Kg	95	75 - 140	64 - 151	
Chlorobenzene	50.0	50.51		ug/Kg	101	80 - 120	73 - 127	
Chloroethane	50.0	54.28		ug/Kg	109	76 - 137	66 - 147	
Chloroform	50.0	46.69		ug/Kg	93	80 - 121	73 - 128	
Chloromethane	50.0	40.54		ug/Kg	81	74 - 133	64 - 143	
2-Chlorotoluene	50.0	50.50		ug/Kg	101	80 - 120	73 - 127	
4-Chlorotoluene	50.0	51.22		ug/Kg	102	80 - 121	73 - 128	
cis-1,2-Dichloroethene	50.0	52.21		ug/Kg	104	80 - 124	73 - 131	
cis-1,3-Dichloropropene	50.0	53.10		ug/Kg	106	80 - 123	73 - 130	
Dibromochloromethane	50.0	52.54		ug/Kg	105	80 - 132	71 - 141	
1,2-Dibromo-3-Chloropropane	50.0	52.86		ug/Kg	106	67 - 120	58 - 129	
1,2-Dibromoethane	50.0	53.69		ug/Kg	107	80 - 120	73 - 127	
Dibromomethane	50.0	54.83		ug/Kg	110	80 - 120	73 - 127	
1,2-Dichlorobenzene	50.0	53.01		ug/Kg	106	80 - 120	73 - 127	
1,3-Dichlorobenzene	50.0	53.38		ug/Kg	107	80 - 120	73 - 127	
1,4-Dichlorobenzene	50.0	51.54		ug/Kg	103	80 - 120	73 - 127	
Dichlorodifluoromethane	50.0	49.62		ug/Kg	99	63 - 146	49 - 160	
1,1-Dichloroethane	50.0	51.29		ug/Kg	103	79 - 124	72 - 132	
1,2-Dichloroethane	50.0	47.15		ug/Kg	94	77 - 120	70 - 127	
1,1-Dichloroethene	50.0	47.02		ug/Kg	94	74 - 132	64 - 142	
1,2-Dichloropropane	50.0	52.32		ug/Kg	105	80 - 126	72 - 134	
1,3-Dichloropropane	50.0	52.86		ug/Kg	106	80 - 120	73 - 127	

# Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

#### Lab Sample ID: LCSD 570-380098/2-A Ma

Matrix: Solid	o		1 0 0 5			0/ <b>D</b>		Prep Type: Total
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
2,2-Dichloropropane	50.0	58.95		ug/Kg	118	73 - 135	63 - 145	
I,1-Dichloropropene	50.0	48.98		ug/Kg	98	78 - 130	69 - 139	
Di-isopropyl ether (DIPE)	50.0	47.40		ug/Kg	95	73 - 132	63 - 142	
Ethanol	500	362.8		ug/Kg	73	46 - 159	27 - 178	
Ethylbenzene	50.0	50.89		ug/Kg	102	80 - 120	73 - 127	
Ethyl-t-butyl ether (ETBE)	50.0	57.11		ug/Kg	114	77 - 129	68 - 138	
2-Hexanone	50.0	50.77		ug/Kg	102	70 - 137	59 - 148	
sopropylbenzene	50.0	54.15		ug/Kg	108	80 - 122	73 - 129	
Methylene Chloride	50.0	49.44		ug/Kg	99	74 - 120	66 - 128	
-Methyl-2-pentanone	50.0	58.60		ug/Kg	117	74 - 124	66 - 132	
Methyl-t-Butyl Ether (MTBE)	50.0	54.78		ug/Kg	110	79 - 123	72 - 130	
n,p-Xylene	100	103.3		ug/Kg	103	80 - 120	73 - 127	
Naphthalene	50.0	56.42		ug/Kg	113	79 - 121	72 - 128	
n-Butylbenzene	50.0	52.76		ug/Kg	106	79 - 131	70 - 140	
N-Propylbenzene	50.0	52.35		ug/Kg	105	80 - 122	73 - 129	
p-Xylene	50.0	50.17		ug/Kg	100	80 - 120	73 - 127	
-Isopropyltoluene	50.0	51.59		ug/Kg	103	80 - 126	72 - 134	
ec-Butylbenzene	50.0	53.39		ug/Kg	107	80 - 125	73 - 133	
Styrene	50.0	51.99		ug/Kg	104	80 - 120	73 - 127	
ert-amyl-methyl ether (TAME)	50.0	58.09		ug/Kg	116	80 - 120	73 - 127	
ert-Butyl alcohol (TBA)	250	261.1		ug/Kg	104	74 - 123	66 - 131	
ert-Butylbenzene	50.0	51.51		ug/Kg	103	80 - 124	73 - 131	
,1,1,2-Tetrachloroethane	50.0	53.10		ug/Kg	106	80 - 125	73 - 133	
,1,2,2-Tetrachloroethane	50.0	58.42		ug/Kg	117	80 - 124	73 - 131	
Fetrachloroethene	50.0	49.72		ug/Kg	99	80 - 122	73 - 129	
oluene	50.0	51.98		ug/Kg	104	80 - 120	73 - 127	
rans-1,2-Dichloroethene	50.0	49.98		ug/Kg	100	75 - 123	67 - 131	
rans-1,3-Dichloropropene	50.0	60.20		ug/Kg	120	80 - 124	73 - 131	
,2,3-Trichlorobenzene	50.0	53.31		ug/Kg	120	80 - 124	73 - 131	
,2,4-Trichlorobenzene	50.0	55.13		ug/Kg	107	80 - 125	73 - 133	
I,1,1-Trichloroethane	50.0	49.81		ug/Kg ug/Kg	100	78 - 130	69 - 139	
,1,2-Trichloroethane	50.0	53.63		ug/Kg	100	80 - 123	73 - 130	
richloroethene	50.0	50.41		ug/Kg	107	80 - 127	72 - 135	
richlorofluoromethane	50.0	56.53		ug/Kg ug/Kg	101	70 - 144	72 - 133 58 - 156	
,2,3-Trichloropropane	50.0	53.53		ug/Kg ug/Kg	107	70 - 144 79 - 120	58 - 150 72 - 127	
,1,2-Trichloro-1,2,2-trifluoroetha	50.0 50.0	48.85		ug/Kg ug/Kg	98	79 - 120 73 - 130	64 - 140	
e	50.0	40.00		uy/ny	90	13-130	04 - 140	
,2,4-Trimethylbenzene	50.0	52.02		ug/Kg	104	80 - 124	73 - 131	
,3,5-Trimethylbenzene	50.0	51.03		ug/Kg	102	80 - 121	73 - 128	
/inyl acetate	50.0	68.65	*+	ug/Kg	137	71 - 125	62 - 134	X
/inyl chloride	50.0	53.83		ug/Kg	107	79 - 133	70 - 142	~
ingr official	00.0	55.05		39/13	100	10-100	10-172	

71 X = % Recovery is greater than widest possible limit

**Exceedances Allowed** 

4

**Analytes Reported** 

**Exceedances Found** 

0

# 5 6 7

# **QC Association Summary**

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Matrix

Solid

Solid

Solid

Solid

Solid

Solid

Solid

Solid

**Client Sample ID** 

SV-2 10'

SV-2 15'

SV-1-15

SV-4 10'

SV-3 10'

Method Blank

Lab Control Sample

Lab Control Sample Dup

**GC/MS VOA** 

Lab Sample ID

570-159170-1

570-159170-2

570-159170-4

570-159170-5

570-159170-6

MB 570-380022/5-A

LCS 570-380022/1-A

LCSD 570-380022/2-A

Prep Batch: 380022

Method

5030C

5030C

5030C

5030C

5030C

5030C

5030C

5030C

# .....

Prep Batch

#### Analysis Batch: 380035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
570-159170-1	SV-2 10'	Total/NA	Solid	8260B	380022	
570-159170-2	SV-2 15'	Total/NA	Solid	8260B	380022	
570-159170-4	SV-1-15	Total/NA	Solid	8260B	380022	
570-159170-5	SV-4 10'	Total/NA	Solid	8260B	380022	
570-159170-6	SV-3 10'	Total/NA	Solid	8260B	380022	
MB 570-380022/5-A	Method Blank	Total/NA	Solid	8260B	380022	
LCS 570-380022/1-A	Lab Control Sample	Total/NA	Solid	8260B	380022	
LCSD 570-380022/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	380022	

#### Analysis Batch: 380044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-159170-3	SV-1-10	Total/NA	Solid	8260B	380098
MB 570-380098/3-A	Method Blank	Total/NA	Solid	8260B	380098
LCS 570-380098/1-A	Lab Control Sample	Total/NA	Solid	8260B	380098
LCSD 570-380098/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	380098

#### Prep Batch: 380098

Lab Sample ID 570-159170-3	Client Sample ID SV-1-10	Prep Type Total/NA	Matrix Solid	Method 5030C	Prep Batch
MB 570-380098/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-380098/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-380098/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

# GC Semi VOA

#### Prep Batch: 379841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-159170-1	SV-2 10'	Total/NA	Solid	3550C	
570-159170-2	SV-2 15'	Total/NA	Solid	3550C	
570-159170-3	SV-1-10	Total/NA	Solid	3550C	
570-159170-4	SV-1-15	Total/NA	Solid	3550C	
570-159170-5	SV-4 10'	Total/NA	Solid	3550C	
570-159170-6	SV-3 10'	Total/NA	Solid	3550C	
MB 570-379841/1-B	Method Blank	Total/NA	Solid	3550C	
LCS 570-379841/2-B	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-379841/3-B	Lab Control Sample Dup	Total/NA	Solid	3550C	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-159170-1	SV-2 10'	Total/NA	Solid	8015B	379841

# **QC Association Summary**

Client: EnviroApplications, Inc. Project/Site: Lennar Greenbriar

# GC Semi VOA (Continued)

# Analysis Batch: 380576 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-159170-2	SV-2 15'	Total/NA	Solid	8015B	379841
570-159170-3	SV-1-10	Total/NA	Solid	8015B	379841
570-159170-4	SV-1-15	Total/NA	Solid	8015B	379841
570-159170-5	SV-4 10'	Total/NA	Solid	8015B	379841
570-159170-6	SV-3 10'	Total/NA	Solid	8015B	379841
MB 570-379841/1-B	Method Blank	Total/NA	Solid	8015B	379841
LCS 570-379841/2-B	Lab Control Sample	Total/NA	Solid	8015B	379841
LCSD 570-379841/3-B	Lab Control Sample Dup	Total/NA	Solid	8015B	379841

## Client Sample ID: SV-2 10' Date Collected: 11/01/23 10:18 Date Received: 11/02/23 17:00

# Lab Sample ID: 570-159170-1

Lab Sample ID: 570-159170-2

Lab Sample ID: 570-159170-3

Lab Sample ID: 570-159170-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

5

8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.16 g	5 mL	380022	11/03/23 08:18	AH8S	EET CAL 4
Total/NA	Analysis Instrumer	8260B nt ID: GCMSGGG	i	1	5 g	5 mL	380035	11/03/23 13:09	AH8S	EET CAL 4
Total/NA	Prep	3550C			10.23 g	10 mL	379841	11/02/23 19:00	USUL	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	380576	11/06/23 03:14	SP9M	EET CAL 4
	Instrumer	nt ID: GC48								

#### Client Sample ID: SV-2 15' Date Collected: 11/01/23 10:37 Date Received: 11/02/23 17:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030C		· ·	5.03 g	5 mL	380022	11/03/23 08:18	AH8S	EET CAL 4
Total/NA	Analysis Instrumer	8260B nt ID: GCMSGGG		1	5 g	5 mL	380035	11/03/23 13:31	AH8S	EET CAL 4
Total/NA	Prep	3550C			10.21 g	10 mL	379841	11/02/23 19:00	USUL	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	380576	11/06/23 03:35	SP9M	EET CAL 4
	Instrumer	nt ID: GC48								

#### Client Sample ID: SV-1-10 Date Collected: 11/01/23 11:10 Date Received: 11/02/23 17:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.17 g	5 mL	380098	11/03/23 08:26	AH8S	EET CAL 4
Total/NA	Analysis Instrumer	8260B at ID: GCMSQ		1	5 g	5 mL	380044	11/03/23 18:14	U4JL	EET CAL 4
Total/NA	Prep	3550C			9.97 g	10 mL	379841	11/02/23 19:00	USUL	EET CAL 4
Total/NA	Analysis Instrumer	8015B it ID: GC48		1	10 mL	10 mL	380576	11/06/23 03:56	SP9M	EET CAL 4

#### Client Sample ID: SV-1-15 Date Collected: 11/01/23 11:16 Date Received: 11/02/23 17:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030C		· ·	5.03 g	5 mL	380022	11/03/23 08:18	AH8S	EET CAL 4
Total/NA	Analysis	8260B		1	5 g	5 mL	380035	11/03/23 14:15	AH8S	EET CAL 4
	Instrumen	t ID: GCMSGGG								
Total/NA	Prep	3550C			10.10 g	10 mL	379841	11/02/23 19:00	USUL	EET CAL 4
Total/NA	Analysis	8015B		1	10 mL	10 mL	380576	11/06/23 04:17	SP9M	EET CAL 4
	Instrumen	t ID: GC48								

Initial

Amount

5.16 g

5 g

10.01 g

10 mL

Initial

Amount

5.04 g

5 g

10.10 g

10 mL

Batch

Number

380022

380035

379841

380576

Batch

Number

380022

380035

379841

380576

Final

Amount

5 mL

5 mL

10 mL

10 mL

Final

Amount

5 mL

5 mL

10 mL

10 mL

Dil

1

1

Dil

1

1

Factor

Factor

Run

Run

# Client Sample ID: SV-4 10' Date Collected: 11/01/23 13:50 Date Received: 11/02/23 17:00

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Batch

Туре

Prep

Prep

Client Sample ID: SV-3 10'

Date Collected: 11/01/23 14:34

Date Received: 11/02/23 17:00

Analysis

Analysis

Batch

Type

Prep

Prep

Analysis

Analysis

Batch

Method

5030C

8260B

3550C

8015B

Batch

Method

5030C

8260B

3550C

8015B

Instrument ID: GCMSGGG

Instrument ID: GC48

Instrument ID: GCMSGGG

Instrument ID: GC48

Lab

EET CAL 4

EET CAL 4

EET CAL 4

EET CAL 4

## Lab Sample ID: 570-159170-5 Matrix: Solid

Analyst

AH8S

AH8S

Prepared

or Analyzed

11/03/23 08:18

11/03/23 14:37

Prepared

or Analyzed

11/03/23 08:18

11/03/23 14:58

11/02/23 19:00 USUL

11/06/23 04:59 SP9M

11/02/23 19:00 USUL

11/06/23 04:38 SP9M

8

# Lab Sample ID: 570-159170-6 Matrix: Solid

Analyst

AH8S

AH8S

EET CAL 4

EET CAL 4

EET CAL 4

IIX. Soliu	
Lab	
EET CAL 4	

# Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Job ID: 570-159170-1

# Laboratory: Eurofins Calscience

ity	Progra	am	Identification Number	Expiration Date
nia	State		3082	07-31-24
0,	•		not certified by the governing authori	ty. This list may include analytes
for which the agency of Analysis Method	does not offer certification Prep Method	ı. Matrix	Analyte	
3260B	5030C	Solid	1,1,2-Trichloro-1,2,2-triflu	oroethane
3260B	5030C	Solid	1,1-Dichloropropene	
3260B	5030C	Solid	1,2,3-Trichlorobenzene	
3260B	5030C	Solid	1,2,4-Trimethylbenzene	
3260B	5030C	Solid	1,3,5-Trimethylbenzene	
3260B	5030C	Solid	1,3-Dichloropropane	
3260B	5030C	Solid	2,2-Dichloropropane	
3260B	5030C	Solid	2-Butanone	
3260B	5030C	Solid	2-Chlorotoluene	
3260B	5030C	Solid	2-Hexanone	
3260B	5030C	Solid	Acetone	
3260B	5030C	Solid	Ethanol	
3260B	5030C	Solid	Isopropylbenzene	
3260B	5030C	Solid	p-Isopropyltoluene	
3260B	5030C	Solid	Vinyl acetate	

# **Method Summary**

#### Client: EnviroApplications, Inc. Project/Site: Lennar Greenbriar

10

11 12 13

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

#### Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# **Definitions/Glossary**

# Qualifiers

	oApplications, Inc. Job ID: 570 Lennar Greenbriar	)-159170-1
Qualifiers		
GC/MS VOA		
Qualifier	Qualifier Description	
*_	LCS and/or LCSD is outside acceptance limits, low biased.	
*+	LCS and/or LCSD is outside acceptance limits, high biased.	
me	LCS Recovery is within Marginal Exdeedance (ME) control limit range (± 4 SD from the mean).	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

TNTC Too Numerous To Count

cou	w Avenue, Suite 100, Tustin, CA			finsus.com o	r call u <b>s</b> .											P	AGE:		_	P.O.1		OF		_	
BOR	ATORY CLIENT: Enviroap	plications,	Inc						CLIEN / K	120.101.141.405	STRACK2, SSR		UMBER			P	1.1	~		0	NO.:	1	- 0	07 -	27
DDRE	2831 Camino De	Rio South	n, Suite 214	4	00004040	a Mene		Ŧ	PROJE	ECT CO			a	RE	EN	D	th	TL		SAMP	PLER(S)		Gli	V/ K	5
ITY:	San Diego			STATE: CA	ZIP	2108	-	-	B	erna	rd S	Senti	anin							В.	Ser	ntiani	in		
EL: 8	05-987-8728	E-MAIL:	ianin@envi		92 / P.A.V			+	-	-		-	-	-	REQ	IES	TEL			SES				-	-
1.00	ROUND TIME (Rush surcharges may ap	and the second sec	the second s	loappilo				+	-		-	Ple	ase c	heck b											T
		48 HR 🗖		5 DAYS		DARD		ľ				1									X				
						LOGCO	DDE:									a Core					20/7				
BPECK			- E		-		Т	-			4					D Terra	1			×	00	218.6			
1.	200 RESULT	7 72 1	ulal	7.3						1	трн 🗆 се-сзе 🗆 се-с44		09			Ore				PAHs 🗆 8270 🗆 8270 SIM	T22 Metals ID 6010/747X ID 6020/747X	0 661			
<b>N</b>	en pesuli	504	infail.						RO	ß	600		<b>D 82</b>		(260)	E		81)		0 82	6010	0 7199			
						Ved	2	ered	D TPH(g) D GRO	D TPH(d) D DRO	28-C3		BTEX / MTBE [] 8260 []	260)	Oxygenates (8260)	Prep (5035) 🗆 En Core	SVOCs (8270)	Pesticides (8081)	082)	8270	als 🗆	Cr(VI)  7196			
LAB	SAMPLE ID	SAM	IPLING	MATRIX	NO. OF	Unpreserved	Preserved	Field Filtered	TPH	TPH	H	Ŧ	EX/I	VOCs (8260)	ygen	ep (50	OCs	sticid	PCBs (8082)	Hs D	2 Met	L (N)			
NLY	SAMPLEID	DATE	TIME		CONT.	5	E i	<u></u>			₽	HdT	BT	8	ð	Pa	SV	Pe	PO	PA	12	5		-	+
1	5V-2 10'	11/1/23	DIB	5	1		-	4	_		X			X	_	_				-				_	+
2	50-2 15	K	1037	11	1			_	_		×	-	-	X		_									-
3	SV-1-10	"	1110	K	1			_			K		-	K		_									
	SV-1-15	10	1116	10	1						ス	and the	-	Y											
4	SV-4 10'	11	1350	11	1						X			X											
A CONTRACT	the second se	15	1434	- 1	1						X						-	- 1		L				1	L
5	51.3 10							Т						Ľ							ANH				
5	51.3 10'		- Andrewson													Jesen a									
4 5 6	51-3 10'							_									- 11								
5	51-3 10'						+					-	-		-	-		0-15	91/00	Jindin	of Cu	stouy	Contraction of the		
5	51-3 10'						+	-	-												100 IV.	10 N		10	1
56	SV-3 ID'				041000	elved by:												-	Date	10	-		Time:		L
5 6 Refing	ulshed by (Signature)	R				A		2	- 1	Ec									11/	02	/23		Time: (2.0	6	-
56 Refine		A				-		2	- 1	Ec	Pr.	u	5	_		E			Date	02	1		Time:	_	<u> </u>

Client: EnviroApplications, Inc.

#### Login Number: 159170 List Number: 1 Creator: Ferreira, Bruno

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

List Source: Eurofins Calscience



08 November 2023

Testing

Bernard Sentianin EnviroApplications, Inc - Westlake Village 2625 Townsgate Rd, Ste 330 Westlake Village, CA 91361

H&P Project: EAP110323-10 Client Project: 1698 Greenbriar Ln

Dear Bernard Sentianin:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 01-Nov-23 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD -ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency. Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: <a href="https://www.handpmg.com/about/certifications">www.handpmg.com/about/certifications</a>. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

Quality. Accuracy. Experience.

2470 Impala Drive, Carlsbad, CA 92010 & Field Office - Signal Hill, CA P 1.800.834.9888 / 760.804.9678 F 760.804.9159 W handpmg.com

SV3-5

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

01-Nov-23

EnviroApplications, Inc - Westlake Village 2625 Townsgate Rd, Ste 330 Westlake Village, CA 91361	Project: EAP110323- Project Number: 1698 Greenb Project Manager: Bernard Sent	oriar Ln tianin	Reported: 08-Nov-23 09:24		
Sample ID	ANALYTICAL REPORT FOR SAM Laboratory ID	PLES Matrix	Date Sampled	Date Received	
SV2-5	E311010-01	Vapor	01-Nov-23	01-Nov-23	
SV2-5 REP	E311010-02	Vapor	01-Nov-23	01-Nov-23	
SV1-5	E311010-03	Vapor	01-Nov-23	01-Nov-23	
SV4-5	E311010-04	Vapor	01-Nov-23	01-Nov-23	

E311010-05

Vapor

01-Nov-23

Page 2 of 16

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village 2625 Townsgate Rd, Ste 330 Westlake Village, CA 91361	Project: EAP Project Number: 1698 Project Manager: Bern		Reported: 08-Nov-23 09:24		
	DETECTIONS SUM	IMARY			
Sample ID: SV2-5	Laboratory ID: E	311010-01			
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Chloromethane	2.4	2.1	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	31	3.5	ug/m3	EPA TO-15	
Carbon disulfide	13	6.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	56	30	ug/m3	EPA TO-15	
Benzene	15	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	120	8.3	ug/m3	EPA TO-15	
Toluene	48	3.8	ug/m3	EPA TO-15	
Chlorobenzene	6.4	4.7	ug/m3	EPA TO-15	
Ethylbenzene	7.3	4.4	ug/m3	EPA TO-15	
m,p-Xylene	23	8.8	ug/m3	EPA TO-15	
o-Xylene	8.8	4.4	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	12	5.0	ug/m3	EPA TO-15	
ample ID: SV2-5 REP	Laboratory ID: F	2311010-02			
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Methylene chloride (Dichloromethane)	33	3.5	ug/m3	EPA TO-15	
Carbon disulfide	13	6.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	60	30	ug/m3	EPA TO-15	
Benzene	17	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	120	8.3	ug/m3	EPA TO-15	
Toluene	52	3.8	ug/m3	EPA TO-15	
Chlorobenzene	7.0	4.7	ug/m3	EPA TO-15	
Ethylbenzene	7.9	4.4	ug/m3	EPA TO-15	
m,p-Xylene	25	8.8	ug/m3	EPA TO-15	
o-Xylene	9.1	4.4	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	12	5.0	ug/m3	EPA TO-15	
ample ID: SV1-5	Laboratory ID: E	2311010-03			
		Reporting			
Analyte	Result	Limit	Units	Method	Notes
Chloromethane	2.9	2.1	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	38	3.5	ug/m3	EPA TO-15	
2-Butanone (MEK)	65	30	ug/m3	EPA TO-15	
Benzene	13	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	95	8.3	ug/m3	EPA TO-15	
Toluene	36	3.8	ug/m3	EPA TO-15	

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village	Project: EAP11							
2625 Townsgate Rd, Ste 330	Project Number: 1698 G		Reported:					
Westlake Village, CA 91361	Project Manager: Bernard	08-Nov-23 09:24						
Sample ID: SV1-5	Laboratory ID: E31	1010-03						
		Reporting						
Analyte	Result	Limit	Units	Method	Notes			
Chlorobenzene	5.2	4.7	ug/m3	EPA TO-15				
Ethylbenzene	6.7	4.4	ug/m3	EPA TO-15				
m,p-Xylene	21	8.8	ug/m3	EPA TO-15				
o-Xylene	7.6	4.4	ug/m3	EPA TO-15				
1,2,4-Trimethylbenzene	9.4	5.0	ug/m3	EPA TO-15				
Sample ID: SV4-5	Laboratory ID: E31	1010-04						
		Reporting						
Analyte	Result	Limit	Units	Method	Notes			
Toluene	5.2	3.8	ug/m3	EPA TO-15				
Tetrachloroethene	530	6.9	ug/m3	EPA TO-15				
4-Ethyltoluene	7.7	5.0	ug/m3	EPA TO-15				
Sample ID: SV3-5	Laboratory ID: E31	1010-05						
		Reporting						
Analyte	Result	Limit	Units	Method	Notes			
	5.0	3.8	ug/m3	EPA TO-15				
Toluene	510							

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village 2625 Townsgate Rd, Ste 330				P110323-10 8 Greenbria				Reported:	
Westlake Village, CA 91361		Project Mar	nager: Ber	nard Sentiar	nin		08-Nov-23 09:24		
	Volatile	Organic	Compou	unds by H	EPA TO-	15			
	Н	&P Mobil	e Geocl	nemistry,	Inc.				
Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E311010-01) Vapor Sampled: 01-Nov-	23 Received: 0	1-Nov-23							
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	2.4	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	

1,1-Difluoroethane (LCC)		FF	11g/m <sup>2</sup>	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15
Dichlorodifluoromethane (F12)	ND ND	5.5 5.0	ug/m3 "	1	EK30008	00-INOV-23 "	"	EPA 10-15
Chloromethane		5.0 2.1		"	"		"	"
Dichlorotetrafluoroethane (F114)	2.4			"	"		"	"
	ND	7.1						
Vinyl chloride Bromomethane	ND	2.6						
	ND	16						
Chloroethane	ND	8.0						
Trichlorofluoromethane (F11)	ND	5.6						
1,1-Dichloroethene	ND	4.0					"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7		"	"	"	"	"
Methylene chloride (Dichloromethane)	31	3.5	"	"			"	"
Carbon disulfide	13	6.3		"	"	"	"	"
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"
2-Butanone (MEK)	56	30	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"
Chloroform	ND	4.9	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"
Benzene	15	3.2	"	"	"	"	"	"
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"
Trichloroethene	ND	5.5	"	"	"	"	"	"
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
4-Methyl-2-pentanone (MIBK)	120	8.3	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"
Toluene	48	3.8	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.5		"	"	"	"	"
2-Hexanone (MBK)	ND	8.3		"	"	"	"	"
Dibromochloromethane	ND	8.6		"	"	"	"	"
Tetrachloroethene	ND	6.9	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	7.0		"	"	"	"	"
Chlorobenzene	6.4	4.7		"	"	"	"	"
Ethylbenzene	7.3	4.4		"	"	"	"	"
m,p-Xylene	23	8.8		"	"		"	"
Styrene	ND	4.3		"	"	"	"	"

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village	Project: EAP110323-10	
2625 Townsgate Rd, Ste 330	Project Number: 1698 Greenbriar Ln	Reported:
Westlake Village, CA 91361	Project Manager: Bernard Sentianin	08-Nov-23 09:24

### Volatile Organic Compounds by EPA TO-15

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E311010-01) Vapor Sampled: 01-Nov-2	3 Received: 01-1	Nov-23							
o-Xylene	8.8	4.4	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
Bromoform	ND	10	"	"	"	"		"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"		"	
4-Ethyltoluene	ND	5.0	"	"	"	"		"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"		"	
1,2,4-Trimethylbenzene	12	5.0	"	"	"	"		"	
1,3-Dichlorobenzene	ND	12	"	"	"	"		"	
1,4-Dichlorobenzene	ND	12	"	"	"	"		"	
1,2-Dichlorobenzene	ND	12	"	"	"	"		"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"		"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
		102.0/	76	127	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		103 %	76-		"	"	"	"	
Surrogate: Toluene-d8 Surrogate: 4-Bromofluorobenzene		93.6 % 92.2 %	78-	125 127	"	"	"	"	
Surrogate: 4-Bromojtuorobenzene		92.2 70	//-	12/					
SV2-5 REP (E311010-02) Vapor Sampled: 01-N			3						
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"		"	
Chloromethane	ND	2.1	"	"	"	"		"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"		"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"		"	
Chloroethane	ND	8.0	"	"	"	"		"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"		"	
1,1-Dichloroethene	ND	4.0	"	"	"	"		"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"		"	
Methylene chloride (Dichloromethane)	33	3.5	"	"	"	"		"	
Carbon disulfide	13	6.3	"	"	"	"		"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"		"	
1,1-Dichloroethane	ND	4.1	"	"	"	"		"	
2-Butanone (MEK)	60	30	"	"	"	"		"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	17	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village 2625 Townsgate Rd, Ste 330 Westlake Village, CA 91361		Project Nun	ber: 169	P110323-10 98 Greenbriar rnard Sentian				Reported: 08-Nov-23 09:24	
		Organic C &P Mobile	-	·		15			
Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes

Trichloroethene	ND	5.5	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15
1,2-Dichloropropane	ND	9.4	"		"	"	"	"
Bromodichloromethane	ND	6.8	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6			"	"	"	"
4-Methyl-2-pentanone (MIBK)	120	8.3	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	4.6	"		"	"	"	"
Toluene	52	3.8	"		"	"	"	"
1,1,2-Trichloroethane	ND	5.5	"		"	"	"	"
2-Hexanone (MBK)	ND	8.3	"		"	"	"	"
Dibromochloromethane	ND	8.6			"	"		"
Tetrachloroethene	ND	6.9	"	"	"	"		"
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"		"
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
Chlorobenzene	7.0	4.7	"	"	"	"	"	"
Ethylbenzene	7.9	4.4	"	"	"	"	"	"
m,p-Xylene	25	8.8	"		"	"	"	"
Styrene	ND	4.3	"	"	"	"	"	"
o-Xylene	9.1	4.4	"		"	"	"	"
Bromoform	ND	10	"		"	"	"	"
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	12	5.0	"	"	"	"		"
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	12	"	"	"	"		"
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"
Hexachlorobutadiene	ND	54	"	"	"	"	"	"
Surrogate: 1,2-Dichloroethane-d4		102 %	76-1		"	"	"	"
Surrogate: Toluene-d8		93.3 %	78-1		"	"	"	"
Surrogate: 4-Bromofluorobenzene		94.3 %	77-1	127	"	"	"	"

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village 2625 Townsgate Rd, Ste 330 Westlake Village, CA 91361		Project Nur	nber: 16	AP110323-10 98 Greenbria ernard Sentiar	r Ln			Reported: 08-Nov-23 09:24	
		Organic ( &P Mobile	-	·		15			
Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E311010-03) Vapor Sampled: 01-Nov-2	3 Received: 0	1-Nov-23							
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0		"	"	"	"	"	
Chloren Alterna	~ ~ ~	0.4			"			"	

Dickloromethane (F12)     ND     5.0     *    <	-,		0.0	8						
Dickloredrafinoroethane (F114)ND7,1*** <t< td=""><td>Dichlorodifluoromethane (F12)</td><td>ND</td><td>5.0</td><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<>	Dichlorodifluoromethane (F12)	ND	5.0		"	"	"	"	"	
Ying chlorideND2.6''' <td>Chloromethane</td> <td>2.9</td> <td>2.1</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Chloromethane	2.9	2.1	"	"	"	"	"	"	
ND         2.5           Chlorochane         ND         8.0         "	Dichlorotetrafluoroethane (F114)	ND	7.1		"	"	"	"	"	
Dominational         ND         10           Chloroethane         ND         8.0         -         -         -         -           1,1-Dickhorothroethane (F11)         ND         5.6         -         -         -         -           1,1-Dickhorothruforoethane (F13)         ND         7.7         -         -         -         -           Methylene chloride (Dickhoromethane)         38         3.5         -         -         -         -           Auton slaulide         ND         6.3         -         -         -         -         -           1.1-Dickhoroethane         ND         6.3         -         -         -         -         -           1.1-Dickhoroethane         ND         4.1         -         -         -         -         -           1.1-Dickhoroethane         ND         4.1         -	Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Trichlorofluoromethane (F11)       ND       5.6       *	Bromomethane	ND	16	"	"	"	"	"	"	
1,1-DichloroetheneND4,0**	Chloroethane	ND	8.0		"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)ND7,7"""	Trichlorofluoromethane (F11)	ND	5.6		"	"	"	"	"	
Methylene chloride (Dichloromethane)383.5"""	1,1-Dichloroethene	ND	4.0		"	"	"	"	"	
Carbon disulfideND6.3"""<	1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7		"	"	"	"	"	
trans-1,2-DichloroetheneND8.0"" <td>Methylene chloride (Dichloromethane)</td> <td>38</td> <td>3.5</td> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Methylene chloride (Dichloromethane)	38	3.5		"	"	"	"	"	
1,1-DichloroethaneND4,1""	Carbon disulfide	ND	6.3		"	"	"	"	"	
2-Butanone (MEK)6530""" </td <td>trans-1,2-Dichloroethene</td> <td>ND</td> <td>8.0</td> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	trans-1,2-Dichloroethene	ND	8.0		"	"	"	"	"	
Z-building (MEK)         65         30           Gisi 1,2-Dichloroethane         ND         4.0         " <td>1,1-Dichloroethane</td> <td>ND</td> <td>4.1</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
Charlower       ND       4.0         Chloroform       ND       4.9       "	2-Butanone (MEK)	65	30		"	"	"	"	"	
1,1,1-Trichloroethane (EDC)       ND       4,1       "       <	cis-1,2-Dichloroethene	ND	4.0		"	"	"	"	"	
1,2-Dichloroethane (EDC)       ND       4,1       "       "       "       "       "       "         Benzene       13       3.2       "       "       "       "       "       "         Carbon tetrachloride       ND       6.4       "       "       "       "       "       "         Trichloroethane       ND       5.5       "       "       "       "       "       "       "         1,2-Dichloropropane       ND       9.4       "	Chloroform	ND	4.9	"	"	"	"	"	"	
Benzene133.2""	1,1,1-Trichloroethane	ND	5.5		"	"	"	"	"	
Carbon tetrachloride       ND       6.4       " <td>1,2-Dichloroethane (EDC)</td> <td>ND</td> <td>4.1</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Trichloroethene       ND       5.5       "	Benzene	13	3.2		"	"	"	"	"	
1,2-Dichloropropane       ND       6.8       " <td>Carbon tetrachloride</td> <td>ND</td> <td>6.4</td> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Carbon tetrachloride	ND	6.4		"	"	"	"	"	
Bromodichloromethane       ND       6.8       " <td>Trichloroethene</td> <td>ND</td> <td>5.5</td> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Trichloroethene	ND	5.5		"	"	"	"	"	
cis-1,3-Dichloropropene       ND       4.6       "       "       "       "       "       "       "       "         4-Methyl-2-pentanone (MIBK)       95       8.3       "       "       "       "       "       "       "       "       "         trans-1,3-Dichloropropene       ND       4.6       "       "       "       "       "       "       "       "         Toluene       36       3.8       " <t< td=""><td>1,2-Dichloropropane</td><td>ND</td><td>9.4</td><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<>	1,2-Dichloropropane	ND	9.4		"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)       95       8.3       "       <	Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene       ND       4.6       " <th< td=""><td>cis-1,3-Dichloropropene</td><td>ND</td><td>4.6</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<>	cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene       36       3.8       "	4-Methyl-2-pentanone (MIBK)	95	8.3		"	"	"	"	"	
1,1,2-Trichloroethane       ND       5.5       " </td <td>trans-1,3-Dichloropropene</td> <td>ND</td> <td>4.6</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
2-Hexanone (MBK)       ND       8.3       "	Toluene	36	3.8		"	"	"	"	"	
Dibromochloromethane       ND       8.6       " <td>1,1,2-Trichloroethane</td> <td>ND</td> <td>5.5</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
Tetrachloroethene       ND       6.9       "	2-Hexanone (MBK)	ND	8.3		"	"	"	"	"	
1,2-Dibromoethane (EDB)       ND       7.8       "	Dibromochloromethane	ND	8.6		"	"	"	"	"	
ND       7.0       "	Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
Chlorobenzene       5.2       4.7       "	1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
Ethylbenzene       6.7       4.4       " <th"< th="">       "       "</th"<>	1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
m,p-Xylene 21 8.8 " " " " " "	Chlorobenzene	5.2	4.7	"	"	"	"	"	"	
<b>1</b> ,	Ethylbenzene	6.7	4.4	"	"	"	"	"	"	
Styrene ND 4.3 " " " " " " "	m,p-Xylene	21	8.8		"	"	"	"	"	
	Styrene	ND	4.3	"	"	"	"	"	"	

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village	Project: EAP110323-10	
2625 Townsgate Rd, Ste 330	Project Number: 1698 Greenbriar Ln	Reported:
Westlake Village, CA 91361	Project Manager: Bernard Sentianin	08-Nov-23 09:24

### Volatile Organic Compounds by EPA TO-15

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E311010-03) Vapor Sampled: 01-Nov	v-23 Received: 01-1	Nov-23							
o-Xylene	7.6	4.4	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
Bromoform	ND	10	"	"	"	"		"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"		"	
4-Ethyltoluene	ND	5.0	"	"	"	"		"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"			
1,2,4-Trimethylbenzene	9.4	5.0	"	"	"	"			
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"		"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		101 %	76-	134	"	"	"	"	
Surrogate: Toluene-d8		94.0 %	78-		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %	77-		"	"	"	"	
SV4-5 (E311010-04) Vapor Sampled: 01-Nov	v-23 Received: 01-1	Nov-23							
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"		"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"		"		"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Vinyl chloride Bromomethane	ND ND				"	"	"	"	
		2.6							
Bromomethane	ND	2.6 16	"	"	"	"	"	"	
Bromomethane Chloroethane	ND ND	2.6 16 8.0	"	"	"	"	"	"	
Bromomethane Chloroethane Trichlorofluoromethane (F11)	ND ND ND	2.6 16 8.0 5.6	" "	"	"	"	" "	11 11 11	
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene	ND ND ND ND	2.6 16 8.0 5.6 4.0		" " "	" " "	""	" " "	" " "	
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113)	ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7			" " " "	" " "	" " "	" " "	
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane)	ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7 3.5			" " " "	" " "	" " "	" " "	
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide	ND ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7 3.5 6.3			" " " "		" " " "	" " " "	
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene	ND ND ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7 3.5 6.3 8.0					" " " "	" " " " "	
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane	ND ND ND ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7 3.5 6.3 8.0 4.1					" " " " "	" " " " " "	
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK)	ND ND ND ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7 3.5 6.3 8.0 4.1 30					" " " " "	" " " " " " "	
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) cis-1,2-Dichloroethene	ND ND ND ND ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7 3.5 6.3 8.0 4.1 30 4.0						" " " " " " " "	
Chloroethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) cis-1,2-Dichloroethene Chloroform	ND ND ND ND ND ND ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7 3.5 6.3 8.0 4.1 30 4.0 4.9							
Bromomethane Chloroethane Trichlorofluoromethane (F11) 1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) cis-1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane	ND ND ND ND ND ND ND ND ND ND ND	2.6 16 8.0 5.6 4.0 7.7 3.5 6.3 8.0 4.1 30 4.0 4.9 5.5							

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village 2625 Townsgate Rd, Ste 330 Westlake Village, CA 91361		Project Nur	mber: 169	.P110323-10 98 Greenbria rnard Sentiar	r Ln			Reported: 08-Nov-23 09:24	
		Organic ( &P Mobil	-	·		15			
Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (E311010-04) Vapor Sampled: 01-Nov-2.	3 Received: 0	1-Nov-23							
Trichloroethene	ND	5.5	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	

cis-1,3-Dichloropropene       ND       4.6       I       I       I       I       I         4-Methyl-2-pentanone (MIBK)       ND       8.3       I       I       I       I       I         Tolucne       5.2       3.8       I       I       I       I       I       I         1,1.2-Trichloroethane       ND       5.5       I       I       I       I       I         2-Hexanone (MBK)       ND       8.3       I       I       I       I       I       I         Dibromochhane       ND       8.6       I       I       I       I       I       I         Dibromochhomethane       ND       7.8       I       I       I       I       I         1,1.2-Tottachloroethane       ND       7.8       I       I       I       I       I         Dibromochhoroethane       ND       7.8       I       I       I       I       I         L/1.2-Tottachoroethane       ND       4.4       I       I       I       I       I         Chlorobenzene       ND       4.4       I       I       I       I       I       I       I       I       I<	Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)       ND       8.3       ·       <	cis-1,3-Dichloropropene			"	"	"	"	"	"	
trans-1.3-Dichloropropene       ND       4.6       " <th< td=""><td>4-Methyl-2-pentanone (MIBK)</td><td></td><td></td><td>"</td><td></td><td>"</td><td>"</td><td></td><td>"</td><td></td></th<>	4-Methyl-2-pentanone (MIBK)			"		"	"		"	
Toluene       5.2       3.8       " <th< td=""><td></td><td></td><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<>				"	"	"	"	"	"	
1,1,2-Trichloroethane       ND       5,5       * </td <td>Toluene</td> <td></td> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Toluene			"	"	"	"	"	"	
Dibromochloromethane       ND       8.6       " <th"< th="">       "       "       <th"< th=""></th"<></th"<>	1,1,2-Trichloroethane		5.5	"	"	"	"		"	
Tetrachloroethane (EDB)       ND       7.8       "	2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Intranspondention       B30       0.9         1,2-Dibromoethane (EDB)       ND       7.8       "	Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
1,1,2-TetrachloroethaneND7.0"" <td>Tetrachloroethene</td> <td>530</td> <td>6.9</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> <td>"</td> <td></td>	Tetrachloroethene	530	6.9	"	"	"	"		"	
Chlorobenzene       ND $4.7$ "       "	1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
Ethylbenzene       ND       4.4       "	1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"		"	
m,p-Xylene       ND       8.8       "       <	Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Styrene       ND       4.3       "	Ethylbenzene	ND	4.4	"	"	"	"	"	"	
o-Xylene       ND       4.4       " <th< td=""><td>m,p-Xylene</td><td>ND</td><td>8.8</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<>	m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Bromoform       ND       10       " <th< td=""><td>Styrene</td><td>ND</td><td>4.3</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<>	Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane       ND       7.0       " <th< td=""><td>o-Xylene</td><td>ND</td><td>4.4</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<>	o-Xylene	ND	4.4	"	"	"	"	"	"	
4-Ethyltoluene       7.7       5.0       "	Bromoform	ND	10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene       ND       5.0       "<	1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene       ND       5.0       "<	4-Ethyltoluene	7.7	5.0	"	"	"	"		"	
1,3-Dichlorobenzene       ND       12       "	1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"		"	
1,4-Dichlorobenzene       ND       12       "	1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
ND       12       "	1,3-Dichlorobenzene	ND	12	"	"	"	"		"	
ND       38       "	1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
HexachlorobutadieneND54""""""Surrogate: 1,2-Dichloroethane-d4102 %76-134"""""Surrogate: Toluene-d893.1 %78-125"""""	1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4         102 %         76-134         " <th"< th="">         "         "         "</th"<>	1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8     93.1 %     78-125     "     "     "	Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: Toluene-d8     93.1 %     78-125     "     "     "										
<i>Surrogale. 10luene-uo 95.1 /0 / 6-125</i>	0									
	-									
Surrogate: 4-Bromofluorobenzene 91.5 % 77-127 " " " "	Surrogate: 4-Bromofluorobenzene		91.5 %	77-1	27	"	"	"	"	

Carbon tetrachloride

1,2-Dichloropropane

Bromodichloromethane

cis-1,3-Dichloropropene

trans-1,3-Dichloropropene

1,1,2-Trichloroethane

2-Hexanone (MBK)

Tetrachloroethene

Chlorobenzene

Ethylbenzene

m,p-Xylene

Styrene

Dibromochloromethane

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachloroethane

4-Methyl-2-pentanone (MIBK)

Trichloroethene

Toluene

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village 2625 Townsgate Rd, Ste 330 Westlake Village, CA 91361			mber: 169	P110323-10 98 Greenbria mard Sentiar	ır Ln			Reported: 08-Nov-23 09:24	
	Volatile	Organic	Сотрог	inds by l	EPA TO-	15			
	Н	&P Mobil	le Geocl	nemistry	, Inc.				
Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (E311010-05) Vapor Sampled: 01-Nov	-23 Received: 01	-Nov-23							
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Frichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"		"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
rans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	ND	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	ND	3.2		"	"			"	

6.4

5.5

9.4

6.8

4.6

8.3

4.6

3.8

5.5

8.3

8.6

6.9

7.8

7.0

4.7

4.4

8.8

4.3

ND

ND

ND

ND

ND

ND

ND

5.0

ND

ND

ND

ND

ND

ND

6.0

ND

ND

ND

..

"

"

"

..

..

"

..

"

"

"

..

"

"

..

"

"

"

"

.,

..

"

"

..

..

..

.,

"

"

..

..

.,

..

..

"

..

.,

..

"

..

..

..

"

"

"

"

"

"

"

.,

"

"

..

"

.,

..

.,

"

..

..

..

..

"

"

..

..

.,

"

"

"

..

..

..

"

.,

.,

..

"

.,

.,

..

"

.,

..

..

.,

"

"

.,

..

"

"

"

.,

..

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village	Project: EAP1	10323-10	
2625 Townsgate Rd, Ste 330	Project Number: 1698	Greenbriar Ln	Reported:
Westlake Village, CA 91361	Project Manager: Berna	rd Sentianin	08-Nov-23 09:24

### Volatile Organic Compounds by EPA TO-15

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (E311010-05) Vapor Sampled:	01-Nov-23 Received: 01	l-Nov-23							
o-Xylene	ND	4.4	ug/m3	1	EK30608	06-Nov-23	07-Nov-23	EPA TO-15	
Bromoform	ND	10		"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0		"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0		"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		103 %	76-	134	"	"	"	"	
Surrogate: Toluene-d8		93.2 %	78-		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.6%	77-		"	"	"	"	

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake VillageProject: EAP110323-102625 Townsgate Rd, Ste 330Project Number: 1698 Greenbriar LnWestlake Village, CA 91361Project Manager: Bernard Sentianin	Reported: 08-Nov-23 09:24
---	------------------------------

### Volatile Organic Compounds by EPA TO-15 - Quality Control

		Dan (		C. 1	C		0/DEC		DPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK30608 - TO-15										
Blank (EK30608-BLK1)				Prepared &	Analyzed:	06-Nov-23				
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3							
Dichlorodifluoromethane (F12)	ND	5.0	"							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.6	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
rans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	4.9	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,1,1,2-Tetrachloroethane	ND	7.0	"							

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

E	EnviroApplications, Inc - Westlake Village	Project:	EAP110323-10	
2	625 Townsgate Rd, Ste 330	Project Number:	1698 Greenbriar Ln	Reported:
V	Westlake Village, CA 91361	Project Manager:	Bernard Sentianin	08-Nov-23 09:24

### Volatile Organic Compounds by EPA TO-15 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK30608 - TO-15										
				Duamanad P	Amolymodu	06 Nov 22				

Blank (EK30608-BLK1)				Prepared & Analyzed: 06-Nov-23
Chlorobenzene	ND	4.7	ug/m3	
Ethylbenzene	ND	4.4		
m,p-Xylene	ND	8.8		
Styrene	ND	4.3		
o-Xylene	ND	4.4		
Bromoform	ND	10		
1,1,2,2-Tetrachloroethane	ND	7.0		
4-Ethyltoluene	ND	5.0		
1,3,5-Trimethylbenzene	ND	5.0		
1,2,4-Trimethylbenzene	ND	5.0		
1,3-Dichlorobenzene	ND	12		
1,4-Dichlorobenzene	ND	12		
1,2-Dichlorobenzene	ND	12		
1,2,4-Trichlorobenzene	ND	38		
Hexachlorobutadiene	ND	54		
Surrogate: 1,2-Dichloroethane-d4	219		"	214 102 76-134
Surrogate: Toluene-d8	206		"	208 99.1 78-125
Surrogate: 4-Bromofluorobenzene	333		"	363 91.8 77-127

LCS (EK30608-BS1)	Prepared & Analyzed: 06-Nov-23											
Dichlorodifluoromethane (F12)	130	5.0	ug/m3	101	131	59-128	QL-1H					
Vinyl chloride	63	2.6	"	52.0	121	64-127						
Chloroethane	44	8.0	"	53.6	82.1	63-127						
Trichlorofluoromethane (F11)	87	5.6	"	113	76.8	62-126						
1,1-Dichloroethene	79	4.0	"	80.8	97.7	61-133						
1,1,2-Trichlorotrifluoroethane (F113)	250	7.7	"	155	162	66-126	QL-1H					
Methylene chloride (Dichloromethane)	70	3.5	"	70.8	99.1	62-115						
trans-1,2-Dichloroethene	73	8.0	"	80.8	90.0	67-124						
1,1-Dichloroethane	81	4.1	"	82.4	97.7	68-126						
cis-1,2-Dichloroethene	74	4.0	"	80.0	91.9	70-121						
Chloroform	99	4.9	"	99.2	99.3	68-123						
1,1,1-Trichloroethane	110	5.5	"	111	95.7	68-125						
1,2-Dichloroethane (EDC)	82	4.1	"	82.4	100	65-128						

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

- 1					
	EnviroApplications, Inc - Westlake Village	Project:	EAP110323-10		
	2625 Townsgate Rd, Ste 330	Project Number:	1698 Greenbriar Ln	Reported:	
	Westlake Village, CA 91361	Project Manager:	Bernard Sentianin	08-Nov-23 09:24	

### Volatile Organic Compounds by EPA TO-15 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK30608 - TO-15										

LCS (EK30608-BS1)				Prepared & Ana	lyzed: 06-Nov-23	3
Benzene	57	3.2	ug/m3	64.8	88.4	69-119
Carbon tetrachloride	140	6.4	"	128	107	68-132
Trichloroethene	110	5.5	"	110	97.0	71-123
Toluene	80	3.8	"	76.8	104	66-119
1,1,2-Trichloroethane	110	5.5	"	111	95.4	73-119
Tetrachloroethene	130	6.9	"	138	96.7	66-124
1,1,1,2-Tetrachloroethane	170	7.0	"	140	118	67-129
Ethylbenzene	80	4.4	"	88.4	90.3	70-124
m,p-Xylene	84	8.8	"	88.4	95.3	61-134
o-Xylene	80	4.4	"	88.4	90.5	67-125
1,1,2,2-Tetrachloroethane	130	7.0	"	140	95.2	65-127
Surrogate: 1,2-Dichloroethane-d4	224		"	214	105	76-134
Surrogate: Toluene-d8	188		"	208	90.7	78-125
Surrogate: 4-Bromofluorobenzene	334		"	363	92.1	77-127

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc - Westlake Village	Project: EAP110323-10	
2625 Townsgate Rd, Ste 330	Project Number: 1698 Greenbriar Ln	Reported:
Westlake Village, CA 91361	Project Manager: Bernard Sentianin	08-Nov-23 09:24

#### **Notes and Definitions**

- QL-1H The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
- LCC Leak Check Compound
- ND Analyte NOT DETECTED at or above the reporting limit
- MDL Method Detection Limit
- %REC Percent Recovery
- RPD Relative Percent Difference

#### Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15 and H&P 8260SV.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at <a href="http://www.handpmg.com/about/certifications">www.handpmg.com/about/certifications</a>.



2470 Impala Drive, Carlsbad, CA 92010 & Field Office - Signal Hill, CA W handpmg.com E info@handpmg.com P 760.804.9678 F 760.804.9159

# VAPOR / AIR Chain of Custody

DATE: 1/1/23 Page \_1\_of ;

	Lat	o Client ar	d Projec	t Information		- 17			1	1			Sample	e Rec	eipt (La	ab Us	e Only	)	
Lab Client/Consultant: Enviro /-	Applications			Project Name / #:	80. LNBG 1	3NJ.23	<u>i</u>		1		Date	_	-				3055		116
Lab Client Project Manager. Bernie	Sentianin			Project Location:	1698 Gree	brice	1000		1		H&P	Project	# FA	PIL	22:	2-1	0	10	ų
Lab Client Address: 2625 To	wascate 1	Boad . cui	te 730	Report E-Mail(s):		in a l	une		1		H&P Project # EAP 110323 - 10 Lab Work Order # F31010						_		
Lab Client City, State, Zip: Worth	te Village,	14 90	41	bsentianin Cenuro applications.com							Sample Intact: Yes No See Notes Below						_		
Phone Number: (B05) 207	-076	1 1.2	21			p 11 Cú TIO	ns, coi	z					ge ID:		-	J See N	T	-	
Reporting Requirem			urnaroun	d Time Sampler Information					4			de Lab:		60,	206			Ri	
Standard Report Level III	and the second se			s for preliminary		WHITE	_		1	ģ	Recei	ipt Note	s/Tracki	na #:			_		_
Excel EDD Other EDD:				or final report)	Signature:	WHILE			-										
CA Geotracker Global ID:				inal 11/9		- h	~		-									M	tw
		Rush	(specity)	ind rift	Date: \\/ \/	13			1							Lab	PM Initia	is: K	.b
Additional Instructions to Labor	atory:															T			
* Preferred VOC units (please ch								List			_	ous			945				
□ µg/L ☑µg/m <sup>3</sup> □ ppbv								1 List 1 List roject	)-15	)-15	0-15n	-racti	He	5m	M D1 N2				
L hâur 🔽 hâun L bhna		-	1		CONTAINED	1		d Full st/P	[] TO-15	T	μĔ	TC	A D	A 801	/ AST				
	FIELD POINT	1.1.1		SAMPLE TYPE	CONTAINER SIZE & TYPE	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List           NOCs Standard Full List           8260SV         N TO-15           VOCs Short List / Project List	les S<	Naphthalene 8260SV TO-15	TPHv as Gas	Aliph SVm [	Leak Check Compound	Methane by EPA 8015m	Fixed Gases by ASTM D1945				
	NAME	DATE	TIME	Indoor Air (IA), Ambient Air (AA), Subslab (SS),	400mL/1L/6L Summa, Tedlar,	D (#	o use	8260% 8260% \$550%	Oxygenates	hthal 82605	v as ( 82605	natic. 32605	k Che	ane	<b>d Gas</b>				
SAMPLE NAME	(if applicable)	mm/dd/yy	24hr clock	Soil Vapor (SV)	Tube, etc.	0-		S □ S □	ŏ.□	Nap	H	Aron	Lea	Meth	Fixe				
SV2-5		11/01/23	1344	SV	400	061	-2	1					1						
SVZ-SREP			1347			119	-2	1					1						
SVI-5			1404			323	-2	1					1						
SV4-5			1445			245	-1	1					1						
SV 3-5		<u> </u>	1455	<u> </u>	<u> </u>	261	-1						1						
								[											
																		$\rightarrow$	
0X	5												-		┼──┤		$\rightarrow$	$\dashv$	
Appkoved/Relindusched by	5>	Company	1	111172	1506	Received by:	C	HITE	44	-	Company	H3	0	Date:	11/1/	72	Time: 150		
Approved Relinquished by		Company		Date. 123	Time	Received by:	- W	1110			Company	_		Date	14/17	<u>ر ع</u>	Tinle	-19	
Approved/Relinquished by:		Company		Cate	Time	Received by:			_		Company	<i>į</i> :		Önte:			Time		

H

Log Sheet: Soil Vapor Sampling with Summa

FMS005 Revision: 3 Revised: 1/15/16 Effective: 1/25/16 Page 1 of 1

	H&P Project #:	EAP	110123-	510/1	TECH			Š					Date:	11	-01-27						
	Site Address:	1698	Gree	nbriar	1000		- , E						Dage:		/		1	e de la companya de			
	Consultant:	Enviro	And	cation	,	6.5	x yr ur	. <u>1</u> 94		L <sub>Mar</sub>	н	&P Re	ep(s):	J.F.	Arellan	0,	A. Ma	Idenado	R	Reviewed:	EC
	Consultant Rep(s):	Bern	:e			: ·				n n La serie de serie			Ĩ	C.h	thite	C	. Sat	6.50		Scanned:	N
	Equipment Inf Inline Gauge ID#: 729 Pump ID#:015	ō		PV A	P .mount: .	urge V З ₽v			⊡ Tub ⊡ San		9%		conne	n satura ctions a		_CC is p seal. T	laced arc	oound bund tubing he for all sa		<ul> <li>✓ 1,1-DF</li> <li>□ 1,1,1,2</li> <li>□ IPA</li> <li>□ Other:</li> </ul>	2-TFA
	Sample	and S	umma	Infor	matio	n				Prob	e Spe	ecs	N. C.			Pu	rge &	Collecti	on Infor	mation	
	Point ID	Summa ID #	Sample Kit ID #	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Initial Vac (" Hg)	End / Sample Time	End Vac (" Hg)	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H₂O
1	SV2-5	001	2107	1340	-30	1344	0	5	7	1/8	12	2.25	12	2.25	/	1	2131	200	10:39	200	-10
2	SV2-5PEP	119	267	1344	-28	1347	0	5	7	1/8	iz	2.25	12	2.25	1	1	2531	200	-	200	-10
3	SVI-5	323	372	1401	-28	1404	0	5	7	1/8	12	2.25	12	2.25	1	1	2131	200	10:39	200	-20
4	SV4-5	245	395	1442	-27	1445	0	5	7	1/8	12	.75	6	.75	1	1	189	200	1	200	0
5	SV3-5	261	265	1452	-26	1455	0	2	7	1/8	12	.75	6	.75	1	1	189	200	Ŧ	260	0
6					ĥ. 2				6 î.	100	-			1.3	gol -				18		
7			10.15		ų.							2							2		
8				1.81.							- 13 1			1. 1				1 80			
9														6.51	The se	F.4					
10		14					1														
11	$(2s_1, g_1) \in \mathbb{R}^d$		487.5				1	11											a		14
12					199.33																

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):



20 November 2023

Bernie Sentianin EnviroApplications, Inc. 2831 Camino Del Rio South, Suite 214 San Diego, CA 92108

H&P Project: EAP111423-12 Client Project: 1700 Greenbriar

Dear Bernie Sentianin:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 15-Nov-23 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD -ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency. Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: <a href="https://www.handpmg.com/about/certifications">www.handpmg.com/about/certifications</a>. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

Quality. Accuracy. Experience.

2470 Impala Drive, Carlsbad, CA 92010 & Field Office - Signal Hill, CA P 1.800.834.9888 / 760.804.9678 F 760.804.9159 W handpmg.com



2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

	ANALVTICAL REPORT	TEOD SAMDI ES	
San Diego, CA 92108	Project Manager:	Bernie Sentianin	20-Nov-23 13:44
2831 Camino Del Rio South, Suite 214	Project Number:	1700 Greenbriar	Reported:
EnviroApplications, Inc.	Project:	EAP111423-12	

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV7-5	E311041-01	Vapor	14-Nov-23	15-Nov-23
SV6-4	E311041-02	Vapor	14-Nov-23	15-Nov-23
SV5-5	E311041-03	Vapor	14-Nov-23	15-Nov-23

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc. 2831 Camino Del Rio South, Suite 214 San Diego, CA 92108	Project Number: 1700 C	Project: EAP111423-12 Project Number: 1700 Greenbriar Project Manager: Bernie Sentianin								
	DETECTIONS SUMM	IARY								
Sample ID: SV7-5	Laboratory ID: E3	11041-01								
		Reporting								
Analyte	Result	Limit	Units	Method	Notes					
Dichlorodifluoromethane (F12)	5.2	5.0	ug/m3	EPA TO-15	QL-1H					
Toluene	45	3.8	ug/m3	EPA TO-15						
Ethylbenzene	6.8	4.4	ug/m3	EPA TO-15						
m,p-Xylene	45	8.8	ug/m3	EPA TO-15						
o-Xylene	14	4.4	ug/m3	EPA TO-15						
1,3,5-Trimethylbenzene	5.4	5.0	ug/m3	EPA TO-15						
1,2,4-Trimethylbenzene	21	5.0	ug/m3	EPA TO-15						
Sample ID: SV6-4	Laboratory ID: E3	11041-02								
		Reporting								
Analyte	Result	Limit	Units	Method	Notes					
Dichlorodifluoromethane (F12)	5.2	5.0	ug/m3	EPA TO-15	QL-1H					
Toluene	42	3.8	ug/m3	EPA TO-15						
Ethylbenzene	6.2	4.4	ug/m3	EPA TO-15						
m,p-Xylene	40	8.8	ug/m3	EPA TO-15						
o-Xylene	13	4.4	ug/m3	EPA TO-15						
4-Ethyltoluene	9.7	5.0	ug/m3	EPA TO-15						
1,3,5-Trimethylbenzene	5.6	5.0	ug/m3	EPA TO-15						
1,2,4-Trimethylbenzene	23	5.0	ug/m3	EPA TO-15						
Sample ID: SV5-5	Laboratory ID: E3	11041-03								
		Reporting								
Analyte	Result	Limit	Units	Method	Notes					
Dichlorodifluoromethane (F12)	5.4	5.0	ug/m3	EPA TO-15	QL-1H					
Benzene	4.5	3.2	ug/m3	EPA TO-15						
Toluene	56	3.8	ug/m3	EPA TO-15						
Ethylbenzene	10	4.4	ug/m3	EPA TO-15						
m,p-Xylene	58	8.8	ug/m3	EPA TO-15						
o-Xylene	19	4.4	ug/m3	EPA TO-15						
1,2,4-Trimethylbenzene	25	5.0	ug/m3	EPA TO-15						

m,p-Xylene

Styrene

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc. 2831 Camino Del Rio South, Suite 214				P111423-12 )0 Greenbria				Reported:			
San Diego, CA 92108		Project Mar	nager: Bei	rnie Sentiani	in		20-Nov-23 13:44				
	Volatile	Organic (	Сотро	unds by l	EPA TO-	15					
	H	I&P Mobi	le Geocl	hemistry	, Inc.						
Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes		
SV7-5 (E311041-01) Vapor Sampled: 14-No	v-23 Received: 1	5-Nov-23									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EK31704	17-Nov-23	17-Nov-23	EPA TO-15			
Dichlorodifluoromethane (F12)	5.2	5.0		"	"	"	"	"	QL-1H		
Chloromethane	ND	2.1		"	"	"	"	"			
Dichlorotetrafluoroethane (F114)	ND	7.1		"	"	"	"	"			
Vinyl chloride	ND	2.6		"		"	"	"			
Bromomethane	ND	16		"	"	"	"	"			
Chloroethane	ND	8.0		"	"	"	"	"			
Trichlorofluoromethane (F11)	ND	5.6		"	"	"	"	"			
1,1-Dichloroethene	ND	4.0		"	"	"	"	"			
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7		"	"	"	"	"			
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"			
Carbon disulfide	ND	6.3		"		"	"	"			
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"			
1,1-Dichloroethane	ND	4.1		"	"	"	"	"			
2-Butanone (MEK)	ND	30	"	"	"	"	"	"			
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"			
Chloroform	ND	4.9	"	"	"	"	"	"			
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"			
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"			
Benzene	ND	3.2		"	"	"	"	"			
Carbon tetrachloride	ND	6.4		"		"	"	"			
Trichloroethene	ND	5.5		"		"	"	"			
1,2-Dichloropropane	ND	9.4		"		"	"	"			
Bromodichloromethane	ND	6.8		"		"	"	"			
cis-1,3-Dichloropropene	ND	4.6		"		"	"	"			
4-Methyl-2-pentanone (MIBK)	ND	8.3		"		"	"	"			
trans-1,3-Dichloropropene	ND	4.6		"	"	"	"	"			
Toluene	45	3.8		"	"	"	"	"			
1,1,2-Trichloroethane	ND	5.5		"	"	"	"	"			
2-Hexanone (MBK)	ND	8.3		"	"	"	"	"			
Dibromochloromethane	ND	8.6		"	"	"	"	"			
Tetrachloroethene	ND	6.9		"	"	"	"	"			
1,2-Dibromoethane (EDB)	ND	7.8		"	"	"	"	"			
1,1,1,2-Tetrachloroethane	ND	7.0		"	"	"	"	"			
Chlorobenzene	ND	4.7			"	"	"	"			
Ethylbenzene	6.8	4.4		"	"	"	"	"			
m.n-Xvlene	45	8.8		"		"	"	"			

"

..

"

8.8

4.3

45

ND

"

..

"

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc.	Project:	EAP111423-12	
2831 Camino Del Rio South, Suite 214	Project Number:	1700 Greenbriar	Reported:
San Diego, CA 92108	Project Manager:	Bernie Sentianin	20-Nov-23 13:44

### Volatile Organic Compounds by EPA TO-15

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV7-5 (E311041-01) Vapor Sampled: 14-No	ov-23 Received: 15			1 40101			,		
o-Xylene	14	4.4	ug/m3	1	EK31704	17-Nov-23	17-Nov-23	EPA TO-15	
Bromoform	ND	10	"			"			
1,1,2,2-Tetrachloroethane	ND	7.0	"	"		"			
4-Ethyltoluene	ND	5.0	"			"	"		
1,3,5-Trimethylbenzene	5.4	5.0	"	"		"			
1,2,4-Trimethylbenzene	21	5.0	"			"			
1,3-Dichlorobenzene		12		"	"	"	"		
1.4-Dichlorobenzene	ND	12		"	"	"	"	"	
1,2-Dichlorobenzene	ND	12		"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38				"	"	"	
Hexachlorobutadiene	ND	54	"		"	"	"		
		01							
Surrogate: 1,2-Dichloroethane-d4		108 %	76-1	134	"	"	"	"	
Surrogate: Toluene-d8		118 %	78-1		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.4 %	77-		"	"	"	"	
SV( 4 (F211041 02) V-man Samuladi 14 N	22 D	N 22							
SV6-4 (E311041-02) Vapor Sampled: 14-No 1,1-Difluoroethane (LCC)			( 2	1	EK21704	17.11 00	17.11 22	ED4 TO 15	
	ND	5.5	ug/m3 "	1	EK31704	17-Nov-23	17-Nov-23	EPA TO-15	01.11
Dichlorodifluoromethane (F12)	5.2	5.0				"			QL-1H
Chloromethane	ND	2.1							
Dichlorotetrafluoroethane (F114)	ND	7.1							
Vinyl chloride	ND	2.6							
Bromomethane	ND	16							
Chloroethane	ND	8.0				"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"		"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"			
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113)	ND ND	4.0 7.7	" "	"	"	"	"	"	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane)	ND ND ND	4.0 7.7 3.5		"	"		"	"	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide	ND ND ND ND	4.0 7.7 3.5 6.3		"	"		"	  	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene	ND ND ND ND ND	4.0 7.7 3.5 6.3 8.0	""	" " "	" " "		" " "	" " "	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane	ND ND ND ND ND	4.0 7.7 3.5 6.3 8.0 4.1	" " "		" " "	" " "	" " "	" " "	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK)	ND ND ND ND ND ND	4.0 7.7 3.5 6.3 8.0 4.1 30	" " "		" " " "			" " "	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) cis-1,2-Dichloroethene	ND ND ND ND ND ND ND	4.0 7.7 3.5 6.3 8.0 4.1 30 4.0		" " "	" " " "	   	" " " "	" " " "	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) cis-1,2-Dichloroethene Chloroform	ND ND ND ND ND ND	4.0 7.7 3.5 6.3 8.0 4.1 30	" " "		" " " "		" " " "	" " " " "	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) cis-1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane	ND ND ND ND ND ND ND ND ND	4.0 7.7 3.5 6.3 8.0 4.1 30 4.0		" " " "	" " " "		" " " "	" " " " " "	
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene	ND ND ND ND ND ND ND	4.0 7.7 3.5 6.3 8.0 4.1 30 4.0 4.9 5.5 4.1		" " "	" " " "		" " " "		
1,1-Dichloroethene 1,1,2-Trichlorotrifluoroethane (F113) Methylene chloride (Dichloromethane) Carbon disulfide trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone (MEK) cis-1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane	ND ND ND ND ND ND ND ND ND	4.0 7.7 3.5 6.3 8.0 4.1 30 4.0 4.9 5.5		" " " "	" " " "		" " " "		

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

	<b>D</b>	
EnviroApplications, Inc.	Project: EAP111423-12	
2831 Camino Del Rio South, Suite 214	Project Number: 1700 Greenbriar	Reported:
San Diego, CA 92108	Project Manager: Bernie Sentianin	20-Nov-23 13:44
	Volatile Organic Compounds by EPA TO-15	
	H&P Mobile Geochemistry, Inc.	
	Reporting Dilution	

Analyte	Result	Limit	Units	Factor	Batch	Prepared	Analyzed	Method	Notes
	Nov-23 Received: 15			1 40001					
Trichloroethene	ND	5.5	ug/m3	1	EK31704	17-Nov-23	17-Nov-23	EPA TO-15	
1,2-Dichloropropane	ND	9.4	" "	"	"	"	"	"	
Bromodichloromethane	ND	5. <del>4</del> 6.8						"	
cis-1,3-Dichloropropene	ND	4.6	"					"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"			"			
trans-1,3-Dichloropropene	ND	4.6	"				"		
Toluene	42	3.8				"		"	
1,1,2-Trichloroethane	ND	5.5	"				"	"	
2-Hexanone (MBK)	ND	8.3	"				"		
Dibromochloromethane	ND	8.6	"	"			"		
Tetrachloroethene	ND	6.9						"	
1,2-Dibromoethane (EDB)	ND	7.8						"	
1,1,1,2-Tetrachloroethane	ND	7.0	"			"	"		
Chlorobenzene	ND	4.7	"			"	"		
Ethylbenzene	6.2	4.4	"			"	"	"	
m,p-Xylene	40	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	13	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"		"	
4-Ethyltoluene	9.7	5.0	"	"	"	"		"	
1,3,5-Trimethylbenzene	5.6	5.0	"	"		"	"	"	
1,2,4-Trimethylbenzene	23	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"		"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Sumozata 12 Disklausethans dt		111 %	74	-134	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8		111 % 115 %		-134 -125	"	"	"	"	
Surrogate: 101uene-a8 Surrogate: 4-Bromofluorobenzene		115 % 91.4 %		-125 -127	"	"	"	"	
surrogaie: 4-bromojiuorobenzene		91.4 %	//	-12/					

2-Butanone (MEK)

Chloroform

Benzene

Toluene

cis-1,2-Dichloroethene

1,1,1-Trichloroethane

Carbon tetrachloride

1,2-Dichloropropane

Bromodichloromethane

cis-1,3-Dichloropropene

trans-1,3-Dichloropropene

1,1,2-Trichloroethane

Dibromochloromethane

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachloroethane

2-Hexanone (MBK)

Tetrachloroethene

Chlorobenzene

Ethylbenzene

m,p-Xylene

Styrene

4-Methyl-2-pentanone (MIBK)

Trichloroethene

1,2-Dichloroethane (EDC)

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

"

"

.,

.,

.,

..

..

.,

.,

"

"

.,

..

..

.,

"

"

.,

..

.,

.,

"

"

..

EnviroApplications, Inc.		Pr	oject: EA	P111423-12					
2831 Camino Del Rio South, Suite 214		Project Nu	mber: 170	00 Greenbria	r			Reported:	
San Diego, CA 92108		Project Mar	nager: Be	rnie Sentiani	n			20-Nov-23 13:44	
	Volatile	Organic (	Compo	unds by <b>I</b>	EPA TO-	15			
	H	I&P Mobil	e Geoc	hemistry,	, Inc.				
Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 (E311041-03) Vapor Sampled: 14-Nov-23	Received: 1	5-Nov-23							
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EK31704	17-Nov-23	18-Nov-23	EPA TO-15	
Dichlorodifluoromethane (F12)	5.4	5.0	"	"	"	"	"	"	QL-1H
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"		"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	

ND

ND

ND

ND

ND

4.5

ND

ND

ND

ND

ND

ND

ND

56

ND

ND

ND

ND

ND

ND

ND

10

58

ND

30

4.0

4.9

5.5

4.1

3.2

6.4

5.5

9.4

6.8

4.6

8.3

4.6

3.8

5.5

8.3

8.6

6.9

7.8

7.0

4.7

4.4

8.8

4.3

.,

"

"

..

"

"

..

..

"

"

"

"

..

..

..

..

..

"

..

" " .. ., ., ., .. " ., ., .. ., .. .,

"

"

"

.,

.,

"

.,

..

"

"

"

"

.,

.,

"

.,

"

"

..

.,

"

"

..

.,

.,

.,

..

...

.,

"

"

..

...

.,

"

..

.,

..

.,

"

"

..

..

..

.,

..

..

.,

"

"

..

..

"

"

"

"

..

.,

.,

..

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc.	Project: EAP111423-12	
2831 Camino Del Rio South, Suite 214	Project Number: 1700 Greenbriar	Reported:
San Diego, CA 92108	Project Manager: Bernie Sentianin	20-Nov-23 13:44

### Volatile Organic Compounds by EPA TO-15

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 (E311041-03) Vapor Sampled: 14-	Nov-23 Received: 15	5-Nov-23							
o-Xylene	19	4.4	ug/m3	1	EK31704	17-Nov-23	18-Nov-23	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0		"	"	"	"		
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	25	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12		"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12		"	"	"	"		
1,2,4-Trichlorobenzene	ND	38		"	"	"	"		
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		104 %	76-	134	"	"	"	"	
Surrogate: Toluene-d8		112 %		125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %	77-	127	"	"	"	"	

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc.	Project: EAP111423-12	
2831 Camino Del Rio South, Suite 214	Project Number: 1700 Greenbriar	Reported:
San Diego, CA 92108	Project Manager: Bernie Sentianin	20-Nov-23 13:44
V. 1. (*1.		

### Volatile Organic Compounds by EPA TO-15 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK31704 - TO-15										
Blank (EK31704-BLK1)				Prepared &	Analyzed:	17-Nov-23				
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3							
Dichlorodifluoromethane (F12)	ND	5.0	"							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.6	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
rans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	4.9	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
rans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,1,1,2-Tetrachloroethane	ND	7.0	"							

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc.	Project: EAP111423-12	
2831 Camino Del Rio South, Suite 214	Project Number: 1700 Greenbriar	Reported:
San Diego, CA 92108	Project Manager: Bernie Sentianin	20-Nov-23 13:44

### Volatile Organic Compounds by EPA TO-15 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK31704 - TO-15										
Blank (EK31704-BLK1)				Prepared &	Analyzed:	17-Nov-23				
Chlorobenzene	ND	4.7	ug/m3							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							

Bromotorin	ND	10					
1,1,2,2-Tetrachloroethane	ND	7.0	"				
4-Ethyltoluene	ND	5.0	"				
1,3,5-Trimethylbenzene	ND	5.0	"				
1,2,4-Trimethylbenzene	ND	5.0	"				
1,3-Dichlorobenzene	ND	12	"				
1,4-Dichlorobenzene	ND	12	"				
1,2-Dichlorobenzene	ND	12	"				
1,2,4-Trichlorobenzene	ND	38	"				
Hexachlorobutadiene	ND	54	"				
Surrogate: 1,2-Dichloroethane-d4	231		"	214	108	76-134	
Surrogate: Toluene-d8	244		"	208	117	78-125	
Surrogate: 4-Bromofluorobenzene	332		"	363	91.6	77-127	

LCS (EK31704-BS1)	Prepared & Analyzed: 17-Nov-23											
Dichlorodifluoromethane (F12)	130	5.0	ug/m3	101	133	59-128	QL-1H					
Vinyl chloride	65	2.6	"	52.0	124	64-127						
Chloroethane	44	8.0	"	53.6	82.5	63-127						
Trichlorofluoromethane (F11)	93	5.6	"	113	82.3	62-126						
1,1-Dichloroethene	66	4.0	"	80.8	81.1	61-133						
1,1,2-Trichlorotrifluoroethane (F113)	150	7.7	"	155	94.6	66-126						
Methylene chloride (Dichloromethane)	65	3.5	"	70.8	92.5	62-115						
trans-1,2-Dichloroethene	60	8.0	"	80.8	74.5	67-124						
1,1-Dichloroethane	68	4.1	"	82.4	83.0	68-126						
cis-1,2-Dichloroethene	59	4.0	"	80.0	73.8	70-121						
Chloroform	94	4.9	"	99.2	94.9	68-123						
1,1,1-Trichloroethane	100	5.5	"	111	90.7	68-125						
1,2-Dichloroethane (EDC)	78	4.1	"	82.4	95.0	65-128						

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc.	Project:	EAP111423-12		
2831 Camino Del Rio South, Suite 214	Project Number:	1700 Greenbriar	Reported:	
San Diego, CA 92108	roject Manager:	Bernie Sentianin	20-Nov-23 13:44	

### Volatile Organic Compounds by EPA TO-15 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK31704 - TO-15										

LCS (EK31704-BS1)		Prepared & Analyzed: 17-Nov-23									
Benzene	51	3.2	ug/m3	64.8	79.3	69-119					
Carbon tetrachloride	130	6.4	"	128	104	68-132					
Trichloroethene	97	5.5	"	110	88.1	71-123					
Toluene	78	3.8	"	76.8	102	66-119					
1,1,2-Trichloroethane	97	5.5	"	111	87.1	73-119					
Tetrachloroethene	120	6.9	"	138	83.9	66-124					
1,1,1,2-Tetrachloroethane	150	7.0	"	140	108	67-129					
Ethylbenzene	68	4.4	"	88.4	76.5	70-124					
m,p-Xylene	74	8.8	"	88.4	84.1	61-134					
o-Xylene	73	4.4	"	88.4	82.1	67-125					
1,1,2,2-Tetrachloroethane	130	7.0	"	140	92.2	65-127					
Surrogate: 1,2-Dichloroethane-d4	237		"	214	111	76-134					
Surrogate: Toluene-d8	222		"	208	107	78-125					
Surrogate: 4-Bromofluorobenzene	364		"	363	100	77-127					

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc.	Project: EAP111423-12	
2831 Camino Del Rio South, Suite 214	Project Number: 1700 Greenbriar	Reported:
San Diego, CA 92108	Project Manager: Bernie Sentianin	20-Nov-23 13:44

#### **Notes and Definitions**

- QL-1H The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
- QL-1H The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
- LCC Leak Check Compound
- ND Analyte NOT DETECTED at or above the reporting limit
- MDL Method Detection Limit
- %REC Percent Recovery
- RPD Relative Percent Difference

#### Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15 and H&P 8260SV.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at <a href="http://www.handpmg.com/about/certifications">www.handpmg.com/about/certifications</a>.



2470 Impala Drive, Carlsbad, CA 92010 & Field Office - Signal Hill, CA W handpmg.com E info@handpmg.com P 760.804.9678 F 760.804.9159

# VAPOR / AIR Chain of Custody

DATE: <u>)) {/Y(23</u> Page \_\_\_\_\_of\_\_\_

	Lal	o Client an	d Projec	t Information									1	Sampl	le Rec	eipt (L	ab Us	e Onh	()	
Lab Client/Consultant: ENVILON	APPLICATION	14		Project Name / #:	80. LN	PGRA	12.1	ZZ	ę			Date		11/14		Contro		230		02
Lab Client Project Manager: Berth	YARD SOM	TANIN	3	Project Location:	TID GOD	NRAM	0	270	-1			H&P	Project	#EA	PILI	423	-12	50	010	
Lab Client/Consultant: Lab Client Project Manager: Lab Client Address: Lab Client City, State, Zip: Phone Number:	AMINO DA	Rin <	5 #= 1	Report E-Mail(s):		IS LONG	7	JUCE	17			Lab V	Vork Or	der#	521	104	1			
Lab Client City, State, Zip:	FRO LA G	31108		DSENTAN	IN CAVITO	applica	tions	-0	M							] No [		Notes Br	elow	-
Phone Number: 805-70	7-5275	-				<i>,</i>						Rece	eipt Gau	ige ID: (	601	NI.	-		RT	-
Reporting Require		1	Turnaroun	d Time	Sar	mpler Info	ormatio	n	199				de Lab:			00			RI	1
Standard Report Level II	I Level IV	Stand	lard (7 days	s for preliminary	Sampler(s):	Sclein			-			Recei	ipt Note	es/Tracki	ting #:	-		-		
Excel EDD Other EDD:		repor	t, 10 days fo	or final report)	Signature:	-p(	Vier	-	/											
CA Geotracker Global ID:		Rush	(specify):	or final report)	Date: (1)14	123	An										1 of	PM Init	iolo:	IR
Additional Instructions to Lat	poratory:	Le		7	(17)	10,		T					-		_		Lau	PWINI	ais. 70	
* Preferred VOC units (please	- X							d Full List	t / Project List	] TO-15	□ T0-15	TO-15m	atic Fractions	npound He	v 8015m	ASTM D1945				
SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	<b>TIME</b> 24hr clock	SAMPLE TYPE Indoor Air (IA). Ambien Air (AA). Subslab (SS). Soil Vapor (SV)	t 400mL/1L/6L Surnma, Tedlar, Tube, etc	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List	VOCs Short List / Project List		Naphthalene	TPHv as Gas	Aromatic/Aliphatic Fractions	Leak Check Compound	Methane by EPA 8015m	Fixed Gases by ASTM D1945				
5v7-5		11114123	1022	54	400nl summ	63	0	×						×						
546.4			1029	1		604	0	×						×						
515-3		1	1037			602	0	X						X						
	_																			
					1	<u> </u>							_							
				1									-		<u> </u>					
								<u> </u>				<u> </u>	-	<u> </u>	_				<u> </u>	
													<u> </u>	-		<u> </u>				
	-																			
Approved/Relinquistled by		Company		Date:	Time	Received by:						Company			Des.					
Approved/Relinquished by:	X	Company		01114/27 Date	Time	Received by:	150	Sile	~			Company			111	1412	?	Time	100	
Approved/Relinquished by:		Company		Date:	Time	Received by:				_		Company		_	Date			Time:		
*Announal constitution on putting stations to		(Part)			18.2.5	120000000000000000000000000000000000000						- CONTRACTOR			)=(\$2658			1 1 1 1 A A A A		

Log Sheet: Soil Vapor Sampling with Summa

FMS005 Revision: 3 Revised: 1/15/16 Effective: 1/25/16 Page 1 of 1

H&P Project # Site Address Consultan Consultant Rep(s	: 1698	Ga																				
	t: E		en bi	njar	horse	-1-	Bren				F	Page:		14/23	of	(				EC		
Concultant Don/o		22 km (***************	ADP	licat	fons		1.1.1			н	&P Re	ep(s):	K.S	disel-	-			Shi Lin Li	Reviewed:			
Sonsultant Rep(s	):	? (en				al also								- Dist			24		Scanned:	N		
Equipment II le Gauge ID#: Pump ID#: でつ			PV A		Purge Volume Information       Leak Check Compound         Int: ?       PV Includes: Tubing       A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samp unless otherwise noted.						A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all san											
Sampl	e and S	umma	Infor	matio	n				Prob	e Spe	cs				Pu	rge &	Collecti	on Infor	mation			
Point ID	Summa ID #			Initial Vac (" Hg)	End / Sample Time	End Vac (" Hg)	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac Hg TH <sub>2</sub> O		
svn.5	603	210	1019	-28.0	1022	0.0	5	7	er e	12	.75	G	-75	1	~	189	200	0:57	200	0		
SVG.4	604	206	1020	-27.0	1029	0.0	4	7	Yo	12	.75	C	.25	V	V	189	200	0:57	200	0		
SV 5-5	602	054	1075	-28-5	1037	0.0	5	7	Ye	12	.75	G	25	ン	1	129	200	0:57	200	0		
						1							1.29									
	1																					
					a start																	
						1200																
								a 1 649 35 1 6113												0.1		
	Pump ID#: 07	Pump ID#:         03.6           Sample and S         Summa ID#           Point ID         Summa ID#           SV 7 - 5         603           SV 6 - 4         C 0 4           SV 5 - 5         G 02           Image: SV 5 - 5         G 02	Pump ID#: 076         Sample and Summa ID #         Point ID       Summa ID #       Sample Kit ID #         SV 7 - 5       603       21 %         SV 6 - 4       C 0 4       26 %         SV 5 - 5       602       054         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I	Pump ID#: 036           Sample and Summa Infor           Point ID         Summa ID#         Sample Kit ID#         Start Time           SV 7 - 5         603         214         1019           SV 6 - 4         C 04         2C6         1026           SV 5 - 5         GO2         054         1035           SV 5 - 5         GO2         054         1035           SU 5 - 5         GU 5 - 5         1005         1005           SU 5 - 5         GU 5 - 5         1005         1005           SU 5 - 5         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Pump ID#: 036         Sample and Summa Information         Point ID       Summa ID#       Sample Start Initial Vac ("H9)         SV 7 - 5       603       21 4       1014       728.6         SV 7 - 5       603       21 4       1014       728.6         SV 6 - 4       C 0 4       2C 6       1035       -28.6         SV 5 - 5       G 0 2       0 5 4       1035       -28.5         SV 5 - 5       G 0 2       0 5 4       1035       -28.5         SV 5 - 5       G 0 2       0 5 4       1035       -28.5         SU 5 - 5       G 0 2       0 5 4       1035       -28.5         SU 5 - 5       G 0 2       0 5 4       1035       -28.5         SU 5 - 5       G 0 2       0 5 4       1035       -28.5         SU 5 - 5       G 0 2       0 5 4       1035       -28.5         SU 5 - 5       G 0 2       0 5 4       1035       -28.5         SU 5 - 5       G 0 2       0 5 4       1035       -28.5         SU 5 - 5       G 0 2       103       103       103         SU 5 - 5       I 103       I 103       I 103       I 103         I 103	Pump ID#: 076           Sample and Summa Information           Point ID         Summa ID#         Start Initial Vac ("Hg)         End / Sample Time           Point ID         Summa ID#         Sample Start ID#         Initial Vac ("Hg)         End / Sample Time           SV 7 - 5         603         21.4         Iot.9         -28.6         1022           SV 7 - 5         602         054         Io72         -27.0         1019           SV 5 - 5         602         054         I075         -28.5         I037           I         I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I           I         I         I         I         I         I	Pump ID#: 03 G           Sample and Summa Information           Point ID         Summa ID#         Start ID#         Initial Vac ("Hg)         End / Vac ("Hg)           SV 7 · 5         603         21 %         1019         -28 %         1022 %         0.0           SV 7 · 5         603         21 %         1019         -28 %         1022 %         0.0           SV 7 · 5         603         21 %         1019         -28 %         1022 %         0.0           SV 6 · 4         C 0 4         2C %         1027 %         -0.0         -0         -0           SV 5 · 5         G 0 2         054         1035         -28 %         1037 %         0.0           SV 5 · 5         G 0 2         054         1035         -28 %         1037 %         0.0           SU 5 · 5         G 0 2         054         1035         -28 %         1037 %         0.0           SU 5 · 5         G 0 2         054         1035         -28 %         1037 %         0.0           SU 5 · 5         I         I         I         I         I         I         I           I         I         I         I         I         I         <	Pump ID#: 07.6         Sample and Summa Information         Point ID       Summa ID#       Start Ki ID#       Initial Vac ("Hg)       End / Vac ("Hg)       Probe Depth (#)         SV 7 · 5       603       21.4       101.9       -2.8.6       10222       0.00       5         SV 6 · 4       C 04       2C 6       102C       -27.0       1024       0.0       4         SV 5 · 5       G 02       054       1035       -28.5       1037       0.0       5         SV 5 · 5       G 02       054       1035       -28.5       1037       0.0       5         SV 5 · 5       G 02       054       1035       -28.5       1037       0.0       5         I       I       I       I       I       I       I       I       I         I       I       I       I       I       I       I       I       I       I       I         I<	The sec of the second	The second seco	Image: Start Initial Sample and Summa InformationProbe SpectrumPoint IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Sand Ht (ft)Point IDSumma Sample ID#Start Initial ID#End / Vac ("Hg)End / Vac ("Hg)Colspan="6">Totaling Tubing Sand Ht (ft)SV7.5 $603$ $24$ $604$ $-26b$ $102^{-1}$ $0.0$ $5$ $7$ $V_{\odot}$ $12$ SV6.4Col4 $2C6$ $102^{-2}$ $0.0$ $5$ $7$ $V_{\odot}$ $12$ SV5.5 $602$ $054$ $1037$ $20.5$ $1037$ $0.0$ $5$ $7$ $V_{\odot}$ $12$ SV5.5 $602$ $054$ $1035$ $28.5$ $1037$ $0.0$ $5$ $7$ $V_{\odot}$ $12$ SV5.5 $602$ $054$ $1035$ $28.5$ $1037$ $0.0$ $5$ $7$ $V_{\odot}$ $12$ SV5.5 $602$ $054$ $1035$ $28.5$ $1037$ $0.0$ $5$ $7$ $V_{\odot}$ $12$ SUImage: Sum	- $\frac{1}{\sqrt{2}}$ Sand 40%         Sample and Summa Information       Probe Specs         Point ID       Summa Information       Probe       Tubing Tubing OD (ft)       Sand And Dia (in.)         Point ID       Summa Information       End / Vac ("Hg)       End / Vac ("Hg)       Probe       Tubing Tubing OD (ft)       Sand Sand Dia (in.)         SV 75       603       21.4       1019       -28.8       1022       0-0       5       7 $\frac{1}{2}$ .75         SV 64       C 04       2C 6       1019       -28.5       1027       0-0       5       77 $\frac{1}{2}$ .2       .75         SV 55       GO2       054       1027       2.0       5       77 $\frac{1}{2}$ .2       .75         SV 55       GO2       054       1027       0.0       5       77 $\frac{1}{8}$ .2       .75         SV 55       GO2       054       1037       0.0       5       77 $\frac{1}{8}$ .2       .75         SV 55       GO2       054       1037       0.0       10       10       10       10       10       10       10       10       10       10       10 <td>Pump ID#: <math>0 \ge 6</math><math>\sqrt{27}</math> Sand 40% (<math>10</math> Dry Bent 50%connect unlessSample and Summa InformationProbe SpecsPoint IDSumma Sample Start ID #Initial Vac Yac ("Hg)Probe Summa Sand Depth (Hg)Dry Depth (Hg)Sand Sand Dia Ht Dia Ht Dia Ht (III)Dry Bent. Ht Dia Ht Dia Ht (III)Probe SpecsPoint IDSumma Sample Kit ID #StortColspan="6"&gt;Colspan="6"Colspan="6"Colspan="6"Colspan=""6"Colspan=""6"Colspan="6"Colspan="6"Colspan="6"Colspan="6"Colspan="6"Colspan</td> <td>Pump ID#: <math>0^{-2}G</math>Gamedians a unless otherwSample and Summa InformationProbe SpecsPoint IDSumma Sample Start Initial Vac ("Hg)Probe Tubing Tubing Sand Sand Bent, Ht Dia Sample Start Initial Vac ("Hg)Probe Tubing Tubing Sand Sand Bent, Ht Dia Sand Bent, Ht Dia (in.)OrDry Dry Dry Dry Dry Dry Dry Colspan="6"&gt;Dry Sand Vac (in.)Probe SpecsSumma Sample Start Initial Vac ("Hg)Ford ("Hg)Probe Tubing Tubing Sand Sand Bent, Ht Dia (in.)OrDry Dry Dry Dry Dry Dry Dry OctorSova - 57Y <math>\geq</math> 1/2-77Cand Summa Sample Start Initial Vac ("Hg)Sand 40% (th)Colspan="6"&gt;OrDry Dry Dry Dry Dry Dry Dry Dry Dry OctorSova - 57Y <math>\geq</math> 1/2-77C-77Sova - 47Y <math>\geq</math> 1/2-77Ccolspan="6"&gt;CSova - 47Y <math>\geq</math> 1/2-77CCSova - 47Y <math>\geq</math> 1/2-77C-77C-77Sova - 57Y <math>\geq</math> 1/2-77<th cols<="" td=""><td>Pump ID#: <math>0 3 G</math>Connections and probe unless otherwise notedSample and Summa InformationProbe Summa Sample and Summa Sample StartInitial End / End / Vac Sample Time ("Hg)Probe Tubing Tubing Sand Sand Dry Dry Shut In Test Depth ("In.)Dry Dry Shut In Test DiaPoint IDSumma Sample Kit ID #StartInitial Time ("Hg)End / Vac Sample ("Hg)End / Vac (THg)Tubing Tubing Connections and probe unless otherwise notedSv 75Go3 2.1 &amp; IO19 - 28.6IO22 0.057<math>V \ge</math> 1/2.75C.75.75C.75&lt;</td><td>Pump ID#: <math>\mathfrak{O2G}</math>Or Sample and Summa InformationProbe SpectsPump ID#: <math>\mathfrak{O2G}</math>Sample and Summa InformationProbe SpectsPump ID#: <math>\mathfrak{O2G}</math>Point IDSumma Sample Start Initial Samd / Vac ("Hg)Probe Tubing Tubing Tubing ODOn <math>\mathfrak{O1}</math>On <math>\mathfrak{O1}</math>\mathfrak{O1}\mathfrak{O1}<th col<="" td=""><td>Pump ID#: <math>rac{10}{26}</math></td><td>Pump ID#:</td><td>Pump ID#: <math>0 \ge G</math>This is done for all samplesPump ID#: <math>0 \ge G</math>Connections and probe seal. This is done for all samplesSample and Summa InformationProbe SpecsPurge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / End / Vac ("Hg)Tubing Tubing OD (the formation)Point IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Shut In Leak OV (the formation)Purge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Bent. Dry Shut In Leak (Or (V) (mL) (mL) (mL) (mL)Purge Flow Rate (mI/min)Stort - 5Stort - 7Y a 12-75V I IASwg - 4Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"Colspan</td><td>Pump ID#: ♡2 @       Q Sand 40% (∑ Dry Bent 50%       Connections and probe seal. This is done for all samples □ IPA unless otherwise noted.       □ PA □ Other.         Sample and Summa Sample Doi: ID       Start Differ       Initial Vac ("H9)       End / ("H9)       End / ("H9)       End / ("H9)       Probe ("H9)       Tubing (th)       Tubing (th)       Tubing (th)       Sand (th)       Sand H1       Sand Dry (th)       Shut In (th)       Leak Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Math (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Context (th)       Context (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Purge (th)       Sample Flow (th)       Sample Flow (th)       Start (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Sample       Sa</br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></td></th></td></th></td>	Pump ID#: $0 \ge 6$ $\sqrt{27}$ Sand 40% ( $10$ Dry Bent 50%connect unlessSample and Summa InformationProbe SpecsPoint IDSumma Sample Start ID #Initial Vac Yac ("Hg)Probe Summa Sand Depth (Hg)Dry Depth (Hg)Sand Sand Dia Ht Dia Ht Dia Ht (III)Dry Bent. Ht Dia Ht Dia Ht (III)Probe SpecsPoint IDSumma Sample Kit ID #StortColspan="6">Colspan="6"Colspan="6"Colspan="6"Colspan=""6"Colspan=""6"Colspan="6"Colspan="6"Colspan="6"Colspan="6"Colspan="6"Colspan	Pump ID#: $0^{-2}G$ Gamedians a unless otherwSample and Summa InformationProbe SpecsPoint IDSumma Sample Start Initial Vac ("Hg)Probe Tubing Tubing Sand Sand Bent, Ht Dia Sample Start Initial Vac ("Hg)Probe Tubing Tubing Sand Sand Bent, Ht Dia Sand Bent, Ht Dia (in.)OrDry Dry Dry Dry Dry Dry Dry Colspan="6">Dry Sand Vac (in.)Probe SpecsSumma Sample Start Initial Vac ("Hg)Ford ("Hg)Probe Tubing Tubing Sand Sand Bent, Ht Dia (in.)OrDry Dry Dry Dry Dry Dry Dry OctorSova - 57Y $\geq$ 1/2-77Cand Summa Sample Start Initial Vac ("Hg)Sand 40% (th)Colspan="6">OrDry Dry Dry Dry Dry Dry Dry Dry Dry OctorSova - 57Y $\geq$ 1/2-77C-77Sova - 47Y $\geq$ 1/2-77Ccolspan="6">CSova - 47Y $\geq$ 1/2-77CCSova - 47Y $\geq$ 1/2-77C-77C-77Sova - 57Y $\geq$ 1/2-77 <th cols<="" td=""><td>Pump ID#: <math>0 3 G</math>Connections and probe unless otherwise notedSample and Summa InformationProbe Summa Sample and Summa Sample StartInitial End / End / Vac Sample Time ("Hg)Probe Tubing Tubing Sand Sand Dry Dry Shut In Test Depth ("In.)Dry Dry Shut In Test DiaPoint IDSumma Sample Kit ID #StartInitial Time ("Hg)End / Vac Sample ("Hg)End / Vac (THg)Tubing Tubing Connections and probe unless otherwise notedSv 75Go3 2.1 &amp; IO19 - 28.6IO22 0.057<math>V \ge</math> 1/2.75C.75.75C.75&lt;</td><td>Pump ID#: <math>\mathfrak{O2G}</math>Or Sample and Summa InformationProbe SpectsPump ID#: <math>\mathfrak{O2G}</math>Sample and Summa InformationProbe SpectsPump ID#: <math>\mathfrak{O2G}</math>Point IDSumma Sample Start Initial Samd / Vac ("Hg)Probe Tubing Tubing Tubing ODOn <math>\mathfrak{O1}</math>On <math>\mathfrak{O1}</math>\mathfrak{O1}\mathfrak{O1}<th col<="" td=""><td>Pump ID#: <math>rac{10}{26}</math></td><td>Pump ID#:</td><td>Pump ID#: <math>0 \ge G</math>This is done for all samplesPump ID#: <math>0 \ge G</math>Connections and probe seal. This is done for all samplesSample and Summa InformationProbe SpecsPurge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / End / Vac ("Hg)Tubing Tubing OD (the formation)Point IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Shut In Leak OV (the formation)Purge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Bent. Dry Shut In Leak (Or (V) (mL) (mL) (mL) (mL)Purge Flow Rate (mI/min)Stort - 5Stort - 7Y a 12-75V I IASwg - 4Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"Colspan</td><td>Pump ID#: ♡2 @       Q Sand 40% (∑ Dry Bent 50%       Connections and probe seal. This is done for all samples □ IPA unless otherwise noted.       □ PA □ Other.         Sample and Summa Sample Doi: ID       Start Differ       Initial Vac ("H9)       End / ("H9)       End / ("H9)       End / ("H9)       Probe ("H9)       Tubing (th)       Tubing (th)       Tubing (th)       Sand (th)       Sand H1       Sand Dry (th)       Shut In (th)       Leak Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Math (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Context (th)       Context (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Purge (th)       Sample Flow (th)       Sample Flow (th)       Start (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Sample       Sa</br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></td></th></td></th>	<td>Pump ID#: <math>0 3 G</math>Connections and probe unless otherwise notedSample and Summa InformationProbe Summa Sample and Summa Sample StartInitial End / End / Vac Sample Time ("Hg)Probe Tubing Tubing Sand Sand Dry Dry Shut In Test Depth ("In.)Dry Dry Shut In Test DiaPoint IDSumma Sample Kit ID #StartInitial Time ("Hg)End / Vac Sample ("Hg)End / Vac (THg)Tubing Tubing Connections and probe unless otherwise notedSv 75Go3 2.1 &amp; IO19 - 28.6IO22 0.057<math>V \ge</math> 1/2.75C.75.75C.75&lt;</td> <td>Pump ID#: <math>\mathfrak{O2G}</math>Or Sample and Summa InformationProbe SpectsPump ID#: <math>\mathfrak{O2G}</math>Sample and Summa InformationProbe SpectsPump ID#: <math>\mathfrak{O2G}</math>Point IDSumma Sample Start Initial Samd / Vac ("Hg)Probe Tubing Tubing Tubing ODOn <math>\mathfrak{O1}</math>On <math>\mathfrak{O1}</math>\mathfrak{O1}\mathfrak{O1}<th col<="" td=""><td>Pump ID#: <math>rac{10}{26}</math></td><td>Pump ID#:</td><td>Pump ID#: <math>0 \ge G</math>This is done for all samplesPump ID#: <math>0 \ge G</math>Connections and probe seal. This is done for all samplesSample and Summa InformationProbe SpecsPurge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / End / Vac ("Hg)Tubing Tubing OD (the formation)Point IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Shut In Leak OV (the formation)Purge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Bent. Dry Shut In Leak (Or (V) (mL) (mL) (mL) (mL)Purge Flow Rate (mI/min)Stort - 5Stort - 7Y a 12-75V I IASwg - 4Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"Colspan</td><td>Pump ID#: ♡2 @       Q Sand 40% (∑ Dry Bent 50%       Connections and probe seal. This is done for all samples □ IPA unless otherwise noted.       □ PA □ Other.         Sample and Summa Sample Doi: ID       Start Differ       Initial Vac ("H9)       End / ("H9)       End / ("H9)       End / ("H9)       Probe ("H9)       Tubing (th)       Tubing (th)       Tubing (th)       Sand (th)       Sand H1       Sand Dry (th)       Shut In (th)       Leak Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Math (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Context (th)       Context (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Purge (th)       Sample Flow (th)       Sample Flow (th)       Start (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Sample       Sa</br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></td></th></td>	Pump ID#: $0 3 G$ Connections and probe unless otherwise notedSample and Summa InformationProbe Summa Sample and Summa Sample StartInitial End / End / Vac Sample Time ("Hg)Probe Tubing Tubing Sand Sand Dry Dry Shut In Test Depth ("In.)Dry Dry Shut In Test DiaPoint IDSumma Sample Kit ID #StartInitial Time ("Hg)End / Vac Sample ("Hg)End / Vac (THg)Tubing Tubing Connections and probe unless otherwise notedSv 75Go3 2.1 & IO19 - 28.6IO22 0.057 $V \ge$ 1/2.75C.75.75C.75<	Pump ID#: $\mathfrak{O2G}$ Or Sample and Summa InformationProbe SpectsPump ID#: $\mathfrak{O2G}$ Sample and Summa InformationProbe SpectsPump ID#: $\mathfrak{O2G}$ Point IDSumma Sample Start Initial Samd / Vac ("Hg)Probe Tubing Tubing Tubing ODOn $\mathfrak{O1}$ On $\mathfrak{O1}$ \mathfrak{O1}\mathfrak{O1} <th col<="" td=""><td>Pump ID#: <math>rac{10}{26}</math></td><td>Pump ID#:</td><td>Pump ID#: <math>0 \ge G</math>This is done for all samplesPump ID#: <math>0 \ge G</math>Connections and probe seal. This is done for all samplesSample and Summa InformationProbe SpecsPurge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / End / Vac ("Hg)Tubing Tubing OD (the formation)Point IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Shut In Leak OV (the formation)Purge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Bent. Dry Shut In Leak (Or (V) (mL) (mL) (mL) (mL)Purge Flow Rate (mI/min)Stort - 5Stort - 7Y a 12-75V I IASwg - 4Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"Colspan</td><td>Pump ID#: ♡2 @       Q Sand 40% (∑ Dry Bent 50%       Connections and probe seal. This is done for all samples □ IPA unless otherwise noted.       □ PA □ Other.         Sample and Summa Sample Doi: ID       Start Differ       Initial Vac ("H9)       End / ("H9)       End / ("H9)       End / ("H9)       Probe ("H9)       Tubing (th)       Tubing (th)       Tubing (th)       Sand (th)       Sand H1       Sand Dry (th)       Shut In (th)       Leak Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Math (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Context (th)       Context (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Purge (th)       Sample Flow (th)       Sample Flow (th)       Start (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Sample       Sa</br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></td></th>	<td>Pump ID#: <math>rac{10}{26}</math></td> <td>Pump ID#:</td> <td>Pump ID#: <math>0 \ge G</math>This is done for all samplesPump ID#: <math>0 \ge G</math>Connections and probe seal. This is done for all samplesSample and Summa InformationProbe SpecsPurge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / End / Vac ("Hg)Tubing Tubing OD (the formation)Point IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Shut In Leak OV (the formation)Purge &amp; Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Bent. Dry Shut In Leak (Or (V) (mL) (mL) (mL) (mL)Purge Flow Rate (mI/min)Stort - 5Stort - 7Y a 12-75V I IASwg - 4Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"&gt;Colspan="6"Colspan</td> <td>Pump ID#: ♡2 @       Q Sand 40% (∑ Dry Bent 50%       Connections and probe seal. This is done for all samples □ IPA unless otherwise noted.       □ PA □ Other.         Sample and Summa Sample Doi: ID       Start Differ       Initial Vac ("H9)       End / ("H9)       End / ("H9)       End / ("H9)       Probe ("H9)       Tubing (th)       Tubing (th)       Tubing (th)       Sand (th)       Sand H1       Sand Dry (th)       Shut In (th)       Leak Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Math (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Sand (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Dia (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Flow (th)       Context (th)       Context (th)       Shut In (th)       Leak (th)       Purge Purge (th)       Purge Purge (th)       Sample Purge (th)       Sample Flow (th)       Sample Flow (th)       Start (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Flow (th)       Sample Sample       Sa</br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></td>	Pump ID#: $rac{10}{26}$	Pump ID#:	Pump ID#: $0 \ge G$ This is done for all samplesPump ID#: $0 \ge G$ Connections and probe seal. This is done for all samplesSample and Summa InformationProbe SpecsPurge & Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / End / Vac ("Hg)Tubing Tubing OD (the formation)Point IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Shut In Leak OV (the formation)Purge & Collection InformationPoint IDSumma Sample Start Initial Vac ("Hg)End / Vac ("Hg)Tubing Tubing Tubing Sand Sand Dry Dry Bent. Dry Shut In Leak (Or (V) (mL) (mL) (mL) (mL)Purge Flow Rate (mI/min)Stort - 5Stort - 7Y a 12-75V I IASwg - 4Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6"Colspan	Pump ID#: ♡2 @       Q Sand 40% (∑ Dry Bent 50%       Connections and probe seal. This is done for all samples □ IPA unless otherwise noted.       □ PA □ Other.         Sample and Summa Sample Doi: ID       Start Differ       Initial Vac ("H9)       End / ("H9)       End / ("H9)       End / ("H9)       Probe ("H9)       Tubing (th)       Tubing (th)       Tubing (th)       Sand (th)       Sand H1       Sand Dry (th)       Shut In (th)       Leak Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge (th)       Purge Purge 