Appendix I2: Limited Phase II ESA

Appendices

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

<u>Supplemental Soil Vapor Testing</u>

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 µg/m^3.
- Toluene was detected in all soil vapor samples. The reported concentrations of toluene range from 42 µg/m^3 in SV-6 to 56 µg/m^3 in SV-5.
- Ethylbenzene was detected in all soil vapor samples. The reported concentrations of ethylbenzene range from 6.2 µg/m^3 in SV-6 to 10 µg/m^3 in SV-5.
- Xylenes were detected in all soil vapor samples. The reported concentrations of xylenes range from 53 µg/m^3 in SV-6 to 77 µg/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 µg/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

CORPORATE ADDRESS
4275 37th St., Suite 232
San Diego, CA 92105
619-991-4222

FIELD SERVICES FOR

CALIFORNIA, ARIZONA AND NEVADA

ULS CA INC
UTILITY LOCATION SERVICES

Work Order Agreement

Job Site Location **1700 GREENBRIAR**	
City, State **BREA, CA**	**Job Date** **11-1-23**

CLIENT ENVIRO APPLICATIONS	**FIELD TIME REPORT**	**LABOR HOURS W/REPORT HRS** **TOTAL HRS 2 HR MINIMUM**
ADDRESS		**FAXED**
CITY, STATE, ZIP		**TELEPHONED**
PHONE/FAX		**HAND DELIVERED**
E-MAIL		**E-MAILED**

WORK REQUESTED: UTILITY SURVEY AT 4 PROPOSED POINTS

WORK PERFORMED	**PRELIMINARY REVIEW OF CLIENT PROVIDED UTILITY DRAWINGS/AS-BUILTS: NONE**
VISUAL SITE INSPECTION (MANHOLES, DRAINS): YES **SURFACE ONLY**	**EMPCL CONDUCTIVE UTILITY SURVEY: CHECKED** **GAS: X ELECTRIC: X COMM.: X WATER: X**
EMIMD METAL DETECTION SURVEY: YES **AMBIENT NOISE AND SETTINGS** **LOW NOISE** | **GAIN 6** | **ELEV LOW** **REBAR IN CONCRETE?**	**EM INSERTION: NF - INSERTION METHODS NOT PROVIDED DUE TO HEALTH AND SAFETY.** **SEE NOTES BELOW REGARDING LATERALS**
GPR NON-CONDUCTIVE SURVEY: FAIR TO POOR	**CLIENT ON-SITE REVIEW OF FINDINGS: YES**

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 **CHRIS REIMER**		

ULS CA INC
UTILITY LOCATION SERVICES

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CLIENT ENVIRO APPLICATIONS
LOCATION 1700 GREENBRIAR
DATE 11-1-23

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 CONNNECTION MODE SWEEPS. EM INDUCTION METAL DETECTOR AND GPR. A CARTISIAN GRID PATH IS WALKED AT EACH PROPOSED ZONE USING ALL METHODOLOGY. OBSERVATIONS ARE MARKED WITH WHITE AND/OR PINK 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

ULS CA INC
UTILITY LOCATION SERVICES

CLIENT ENVIRO APPLICATIONS
LOCATION 1700 GREENBRIAR
DATE 11-1-23

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.

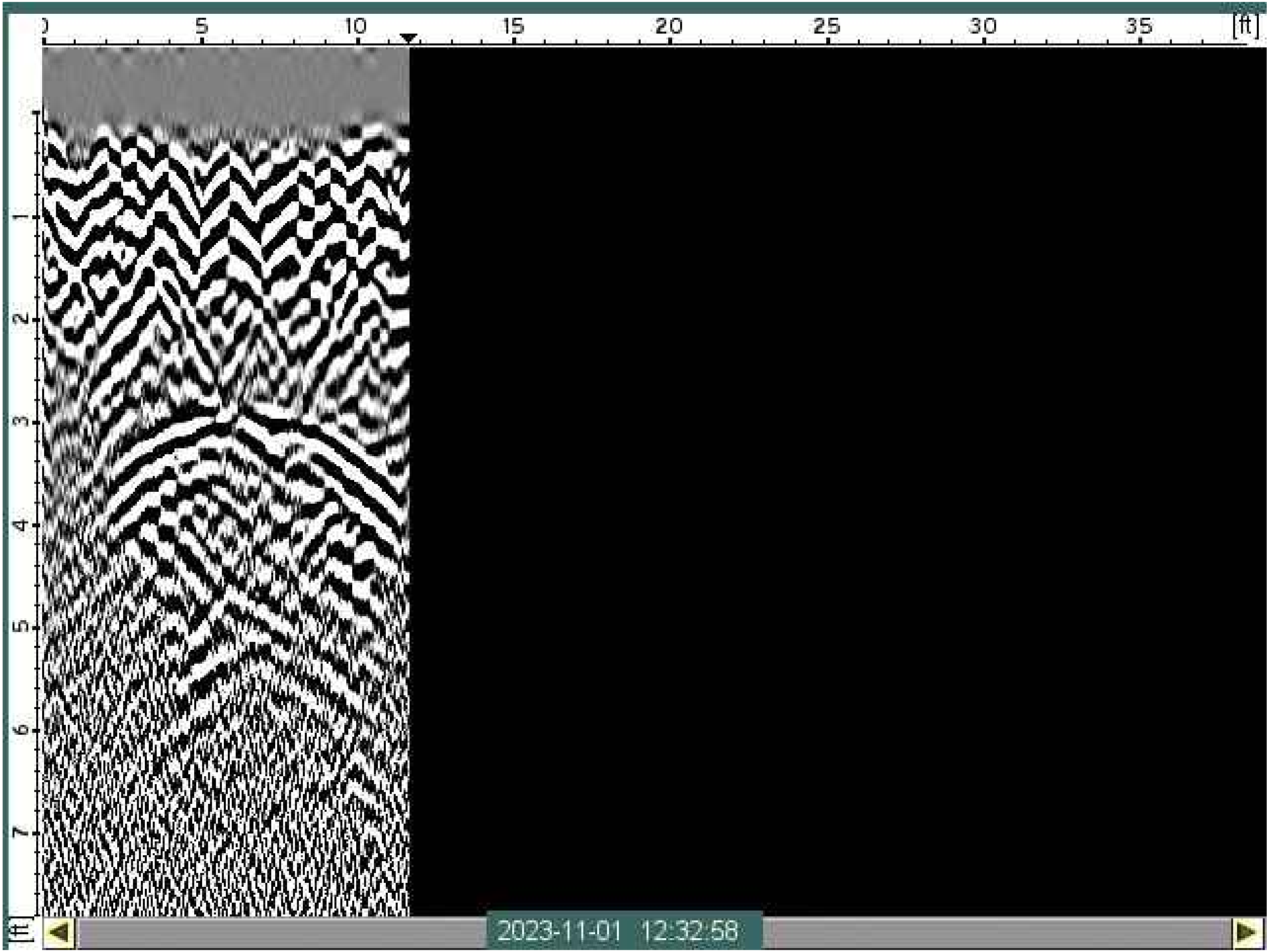
#4 – CAUTION FOR ELECTRIC TRENDING EAST TO WEST IN SLOPE APPROX 2' TO 3' NORTH OF PROPOSED POINT

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
	VENTS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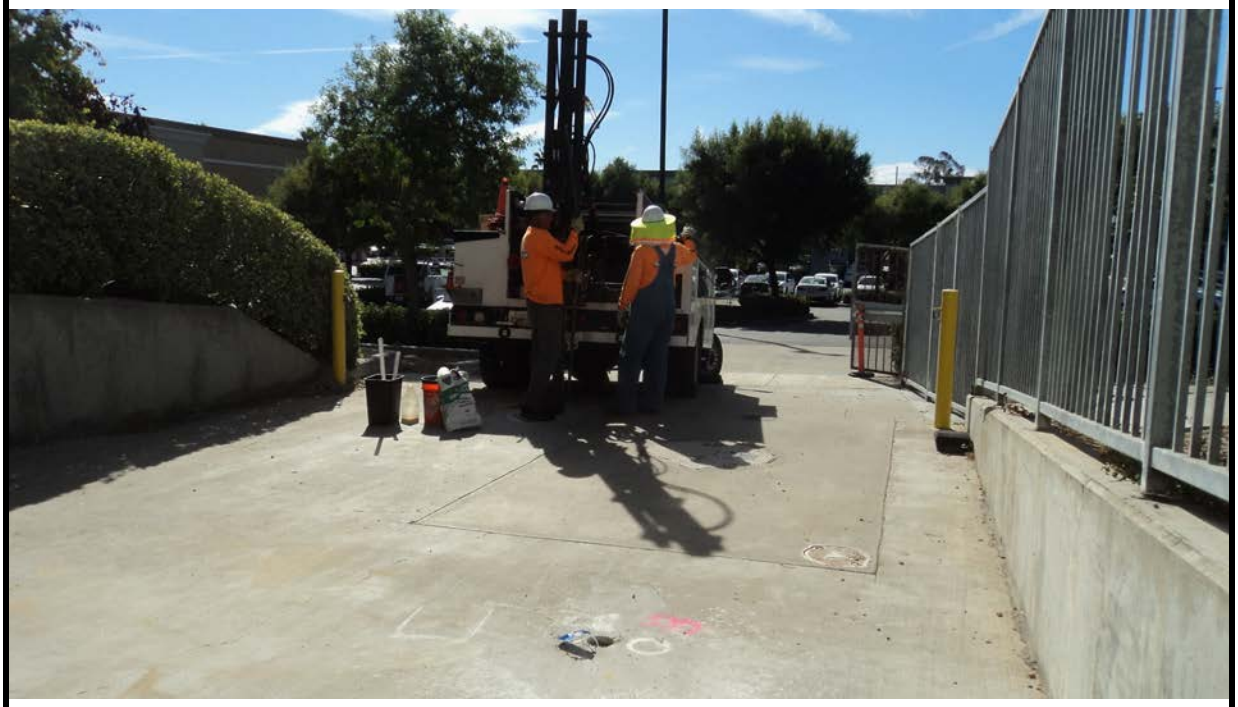
ENVIROAPPLICATIONS, INC.
PHOTOGRAPHIC RECORD

Client:	Lennar Homes	**Job Number:**	80.LNRGRN2.23
Subject Name:	Greenbriar	**Location:**	1698 & 1700 Greenbriar Lane, Brea, Ca 92821
Photographer:	Bernard Sentianin	**Date:**	November 1, 2023

Photograph No. 1 of 4

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

Photograph No. 2 of 4



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

ENVIROAPPLICATIONS, INC.
PHOTOGRAPHIC RECORD

Client:	Lennar Homes	**Job Number:**	80.LNRGRN2.23
Subject Name:	Greenbriar	**Location:**	1698 & 1700 Greenbriar Lane, Brea, Ca 92821
Photographer:	Bernard Sentianin	**Date:**	November 1, 2023

Photograph No. 3 of 4

View looking east along north side of building toward boring locations SV-3 and SV-4.

Photograph No. 4 of 4

View looking west toward supplemental vapor sample locations SV-5, SV-6, and SV-7

TABLE 1
Soil Sample Results

Sample ID	Date Sampled	Depth (feet bgs)	EPA Test Method 8015 (reported in mg/kg)			EPA Test Method 8260 (reported in µg/kg)				
			C6-C12	C13-C22	C23-C36	B	T	E	X	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.
Laboratory Reporting Limits			5	5	5	1	1	1	1	1-260
Commercial Soil Screening 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.

TABLE 2
Soil Vapor Sample Results

Sample ID	Date Sampled	Depth (feet bgs)	EPA Test Method TO-15/8260SV (reported in µg/m^3)							
			B	T	E	X	PCE	TCE	MEK	1,2,4-TMB
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
Laboratory Reporting Limits			3.2	4	4	4	6.9	6	30	5
Commercial Soil Gas Screening Level*			14	44000	160	15000	67	100	NA	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 (2019 Rev.2); Results in **BOLD** exceed regulatory screening level; B = Benzene; E = Ethylbenzene; T = Toluene; X = Xylenes; PCE = Tetralchloroethene; TCE = Trichloroethene; MEK = 2-Butanone; 1,2,4-TMB = 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.

Relative Location

Project No.: 80.LNRGRN1.23

SITE LOCATION MAP
Greenbriar Residential Development
1698-1700 Greenbriar Lane,
APN: 319-102-33 & -34
Brea CA 92821

EnviroApplications, Inc.
Engineering & Consulting

2831 Camino Del Rio South
Suite 214, Mission Valley
San Diego, CA 92108-3828

Date: 10-9-2023	Source: USGS, La Habra (2018)	Scale: 1" = 2,000'	Revision: 1

Client:	By:	
LENNAR	Bernard Sentianin	FIGURE 1

Relative Location

Project No.: 80.LNRGRN1.23

AERIAL SITE MAP
Greenbriar Residential Development
1698-1700 Greenbriar Lane,
APN: 319-102-33 & -34
Brea CA 92821

EnviroApplications, Inc.
Engineering & Consulting

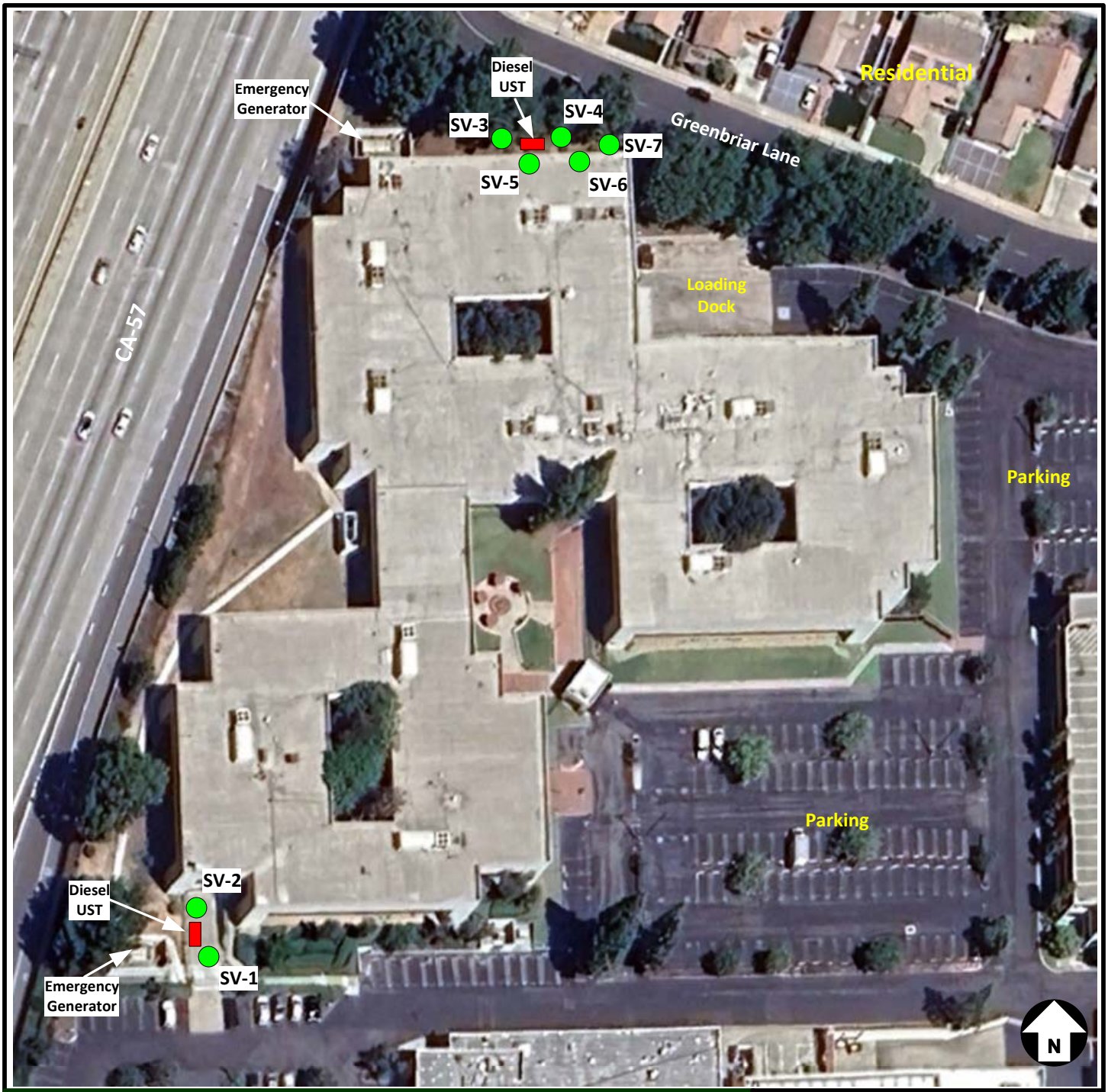
2831 Camino Del Rio South
Suite 214, Mission Valley
San Diego, CA 92108-3828

Date: 10-9-2023	Source: GoogleEarth (2023)	Scale: 1" = 200'	Revision: 1

Client: LENNAR

By: Bernard Sentianin

FIGURE 2



Relative Location

Project No.: 80.LNRGRN2.23

SAMPLE LOCATION MAP
Greenbriar Residential Development
1698-1700 Greenbriar Lane,
APN: 319-102-34
Brea CA 92821

EnviroApplications, Inc.
Engineering & Consulting

2831 Camino Del Rio South
Suite 214, Mission Valley
San Diego, CA 92108-3828

Date: 11-7-2023	Source: GoogleEarth (2023)	Scale: 1" = 80'	Revision: 1

Client:	By:	
LENNAR	Bernard Sentianin	FIGURE 3

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

See page two for job notes and contact information.

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

Generated
11/7/2023 8:36:42 AM

Authorized for release by
Sandy Tat, Project Manager I
Sandy.Tat@et.eurofinsus.com
(714)895-5494

Table of Contents

Job ID: 570-159170-1

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.

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

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

Lab Sample ID: 570-159170-1
Matrix: Solid

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 08:18	11/03/23 13:09	1
sec-Butylbenzene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 13:09	1

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

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
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
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
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
Tetrachloroethene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 13:09	1
Toluene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 13:09	1
trans-1,2-Dichloroethene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 13:09	1
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
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*
1,2-Dichloroethane-d4 (Surr)	*108*		*32 - 179*	*11/03/23 08:18*	*11/03/23 13:09*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*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

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

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

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
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 08:18	11/03/23 13:31	1
Dibromochloromethane	ND		2.0		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,2-Dibromoethane	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Dibromomethane	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,1-Dichloroethane	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,2-Dichloroethane	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 13:31	1
1,1-Dichloroethene	ND		0.99		ug/Kg		11/03/23 08:18	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
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
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	11/03/23 13:31	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg		11/03/23 08:18	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	1
Trichlorofluoromethane	ND		9.9		ug/Kg		11/03/23 08:18	11/03/23 13:31	1

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

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	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil 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

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

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

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

Analyte	Result	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	1
o-Xylene	ND		0.97		ug/Kg		11/03/23 08:26	11/03/23 18:14	1
p-Isopropyltoluene	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	1
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	1
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	1
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	1
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
1,1,1-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	1
Trichlorofluoromethane	ND		9.7		ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7		ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		11/03/23 08:26	11/03/23 18:14	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Vinyl acetate	ND	*+	9.7		ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Vinyl chloride	ND		0.97		ug/Kg		11/03/23 08:26	11/03/23 18:14	1
Xylenes, Total	ND		1.9		ug/Kg		11/03/23 08:26	11/03/23 18:14	1

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*

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

Lab Sample ID: 570-159170-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
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
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
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
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
Isopropylbenzene	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 08:18	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 08:18	11/03/23 14:15	1
o-Xylene	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 14:15	1
p-Isopropyltoluene	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 14:15	1
sec-Butylbenzene	ND		0.99		ug/Kg		11/03/23 08:18	11/03/23 14:15	1

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

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

Lab Sample ID: 570-159170-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
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
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
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*
Toluene-d8 (Surr)	*98*		*80 - 120*	*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

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
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

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

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

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
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
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
1,2-Dichlorobenzene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,3-Dichlorobenzene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,4-Dichlorobenzene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
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
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 08:18	11/03/23 14:37	1
2-Hexanone	ND		19		ug/Kg		11/03/23 08:18	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 08:18	11/03/23 14:37	1
Methyl-t-Butyl Ether (MTBE)	ND	*+	1.9		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
m,p-Xylene	ND		1.9		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Naphthalene	ND		9.7		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
n-Butylbenzene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
N-Propylbenzene	ND		1.9		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
o-Xylene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
p-Isopropyltoluene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
sec-Butylbenzene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Styrene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Tert-amyl-methyl ether (TAME)	ND		0.97		ug/Kg		11/03/23 08:18	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 08:18	11/03/23 14:37	1
1,1,1,2-Tetrachloroethane	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Tetrachloroethene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Toluene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
trans-1,2-Dichloroethene	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,1,1-Trichloroethane	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
1,1,2-Trichloroethane	ND		0.97		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Trichloroethene	ND		1.9		ug/Kg		11/03/23 08:18	11/03/23 14:37	1
Trichlorofluoromethane	ND		9.7		ug/Kg		11/03/23 08:18	11/03/23 14:37	1

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

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

Lab Sample ID: 570-159170-5
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

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	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

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

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

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

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

Lab Sample ID: 570-159170-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C7 as C7	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C8 as C8	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C9-C10	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C11-C12	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C13-C14	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C15-C16	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C17-C18	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C19-C20	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C21-C22	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C23-C24	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C25-C28	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C29-C32	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C33-C36	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C37-C40	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C41-C44	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1
C6-C44	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*96*		*60 - 138*	*11/02/23 19:00*	*11/06/23 03:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	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
C15-C16	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	1
C17-C18	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	1
C19-C20	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	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		mg/Kg		11/02/23 19:00	11/06/23 03:35	1
C29-C32	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	1
C33-C36	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	1
C37-C40	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	1
C41-C44	ND		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	1
C6-C44	**9.6**		4.9		mg/Kg		11/02/23 19:00	11/06/23 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*60 - 138*	*11/02/23 19:00*	*11/06/23 03:35*	*1*

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

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

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
C6-C44	**11**		5.0		mg/Kg		11/02/23 19:00	11/06/23 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*96*		*60 - 138*	*11/02/23 19:00*	*11/06/23 03:56*	*1*

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

Lab Sample ID: 570-159170-4
Matrix: Solid

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 04:17	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
C13-C14	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	1
C15-C16	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	1
C17-C18	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	1
C19-C20	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	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		mg/Kg		11/02/23 19:00	11/06/23 04:17	1
C29-C32	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	1
C33-C36	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	1
C37-C40	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	1
C41-C44	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	1
C6-C44	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*97*		*60 - 138*	*11/02/23 19:00*	*11/06/23 04:17*	*1*

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

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

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

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 04:38	1
C7 as C7	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C8 as C8	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C9-C10	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C11-C12	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C13-C14	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C15-C16	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C17-C18	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C19-C20	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C21-C22	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C23-C24	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C25-C28	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C29-C32	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C33-C36	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C37-C40	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C41-C44	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1
C6-C44	ND		5.0		mg/Kg		11/02/23 19:00	11/06/23 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*60 - 138*	*11/02/23 19:00*	*11/06/23 04:38*	*1*

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

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

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*

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

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

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 380022

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20		ug/Kg		11/03/23 08:18	11/03/23 10:59	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 08:18	11/03/23 10:59	1
N-Propylbenzene	ND		2.0		ug/Kg		11/03/23 08:18	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

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

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

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 380022

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/Kg		11/03/23 08:18	11/03/23 10:59	1
Styrene	ND		1.0		ug/Kg		11/03/23 08:18	11/03/23 10:59	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		11/03/23 08:18	11/03/23 10:59	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		11/03/23 08:18	11/03/23 10:59	1
tert-Butylbenzene	ND		1.0		ug/Kg		11/03/23 08:18	11/03/23 10:59	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		11/03/23 08:18	11/03/23 10:59	1
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

Surrogate	*MB %Recovery*	*MB 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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

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

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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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		114	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		106	80 - 120
Tert-amyl-methyl ether (TAME)	50.0	57.56		ug/Kg		115	80 - 120
tert-Butyl alcohol (TBA)	250	249.0		ug/Kg		100	74 - 123
tert-Butylbenzene	50.0	51.76		ug/Kg		104	80 - 124
1,1,1,2-Tetrachloroethane	50.0	47.30		ug/Kg		95	80 - 125
1,1,2,2-Tetrachloroethane	50.0	57.32		ug/Kg		115	80 - 124
Tetrachloroethene	50.0	51.93		ug/Kg		104	80 - 122
Toluene	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	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

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

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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380022

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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-trifluoroethane			50.0	42.27		ug/Kg		85	73 - 130		
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		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*58 - 147*
1,2-Dichloroethane-d4 (Surr)	*99*		*32 - 179*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 380022

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

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

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 380022

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	58.55		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		108	80 - 120	1	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	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	65.71	*+ me	ug/Kg		131	77 - 129	15	20
2-Hexanone	50.0	62.32		ug/Kg		125	70 - 137	1	20
Isopropylbenzene	50.0	58.19		ug/Kg		116	80 - 122	1	20
Methylene Chloride	50.0	58.56		ug/Kg		117	74 - 120	16	20
4-Methyl-2-pentanone	50.0	58.80		ug/Kg		118	74 - 124	0	20
Methyl-t-Butyl Ether (MTBE)	50.0	68.65	*+	ug/Kg		137	79 - 123	19	20
m,p-Xylene	100	103.9		ug/Kg		104	80 - 120	1	20
Naphthalene	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-trifluoroethane	50.0	35.21	*- me	ug/Kg		70	73 - 130	18	20
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	66.39	*+ me	ug/Kg		133	71 - 125	19	20
Vinyl chloride	50.0	43.46		ug/Kg		87	79 - 133	14	20

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

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 380022

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	106		58 - 147
1,2-Dichloroethane-d4 (Surr)	85		32 - 179
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 570-380098/3-A
Matrix: Solid
Analysis Batch: 380044

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20		ug/Kg		11/03/23 08:26	11/03/23 10:26	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
Bromochloromethane	ND		2.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Bromodichloromethane	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Bromoform	ND		5.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Bromomethane	ND		20		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
2-Butanone	ND		20		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Carbon disulfide	ND		10		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Carbon tetrachloride	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Chlorobenzene	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Chloroethane	ND		2.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Chloroform	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Chloromethane	ND		20		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
2-Chlorotoluene	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
4-Chlorotoluene	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Dibromochloromethane	ND		2.0		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
1,2-Dibromoethane	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Dibromomethane	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	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
1,2-Dichloroethane	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	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
2,2-Dichloropropane	ND		5.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
1,1-Dichloropropene	ND		2.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Ethanol	ND		250		ug/Kg		11/03/23 08:26	11/03/23 10:26	1
Ethylbenzene	ND		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
2-Hexanone	ND		20		ug/Kg		11/03/23 08:26	11/03/23 10:26	1

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

Lab Sample ID: MB 570-380098/3-A
Matrix: Solid
Analysis Batch: 380044

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

Analyte	MB Result	MB 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

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380098

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone			50.0	64.14		ug/Kg		128	61 - 142		
Benzene			50.0	51.10		ug/Kg		102	80 - 120		

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

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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	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		117	77 - 129
2-Hexanone	50.0	55.26		ug/Kg		111	70 - 137
Isopropylbenzene	50.0	56.07		ug/Kg		112	80 - 122
Methylene Chloride	50.0	51.29		ug/Kg		103	74 - 120
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-Isopropyltoluene	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	ug/Kg		123	80 - 120

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

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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 380098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butyl alcohol (TBA)	250	261.5		ug/Kg		105	74 - 123
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
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-trifluoroethane	50.0	50.63		ug/Kg		101	73 - 130
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

Surrogate	*LCS %Recovery*	*LCS 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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 380098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

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

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 380098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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		108	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		117	74 - 124	6	20
Methyl-t-Butyl Ether (MTBE)	50.0	54.78		ug/Kg		110	79 - 123	3	20
m,p-Xylene	100	103.3		ug/Kg		103	80 - 120	4	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

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

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 380098

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichloropropane			50.0	53.53		ug/Kg		107	79 - 120	6	20
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	48.85		ug/Kg		98	73 - 130	4	20
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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*58 - 147*
1,2-Dichloroethane-d4 (Surr)	*97*		*32 - 179*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

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

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		11/02/23 19:00	11/05/23 20:13	1
C7 as C7	ND		5.0		mg/Kg		11/02/23 19:00	11/05/23 20:13	1
C8 as C8	ND		5.0		mg/Kg		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		11/02/23 19:00	11/05/23 20:13	1
C13-C14	ND		5.0		mg/Kg		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		11/02/23 19:00	11/05/23 20:13	1
C19-C20	ND		5.0		mg/Kg		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		11/02/23 19:00	11/05/23 20:13	1
C25-C28	ND		5.0		mg/Kg		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		11/02/23 19:00	11/05/23 20:13	1
C37-C40	ND		5.0		mg/Kg		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/Kg		11/02/23 19:00	11/05/23 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*83*		*60 - 138*	*11/02/23 19:00*	*11/05/23 20:13*	*1*

Lab Sample ID: LCS 570-379841/2-B
Matrix: Solid
Analysis Batch: 380576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379841

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH as Diesel (C10-C28)			400	372.2		mg/Kg		93	80 - 130		

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

Lab Sample ID: LCS 570-379841/2-B
Matrix: Solid
Analysis Batch: 380576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 379841

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*95*		*60 - 138*

Lab Sample ID: LCSD 570-379841/3-B
Matrix: Solid
Analysis Batch: 380576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 379841

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Diesel (C10-C28)			400	362.2		mg/Kg		91	80 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	*92*		*60 - 138*

Marginal Exceedance (ME) Summary

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

Job ID: 570-159170-1

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

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance 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	104	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	102	67 - 120	58 - 129	
1,2-Dibromoethane	50.0	56.06		ug/Kg	112	80 - 120	73 - 127	
Dibromomethane	50.0	55.21		ug/Kg	110	80 - 120	73 - 127	
1,2-Dichlorobenzene	50.0	54.60		ug/Kg	109	80 - 120	73 - 127	
1,3-Dichlorobenzene	50.0	53.46		ug/Kg	107	80 - 120	73 - 127	
1,4-Dichlorobenzene	50.0	51.20		ug/Kg	102	80 - 120	73 - 127	
Dichlorodifluoromethane	50.0	42.29		ug/Kg	85	63 - 146	49 - 160	
1,1-Dichloroethane	50.0	58.55		ug/Kg	117	79 - 124	72 - 132	
1,2-Dichloroethane	50.0	49.93		ug/Kg	100	77 - 120	70 - 127	
1,1-Dichloroethene	50.0	40.00		ug/Kg	80	74 - 132	64 - 142	
1,2-Dichloropropane	50.0	51.88		ug/Kg	104	80 - 126	72 - 134	
1,3-Dichloropropane	50.0	54.02		ug/Kg	108	80 - 120	73 - 127	
2,2-Dichloropropane	50.0	54.63		ug/Kg	109	73 - 135	63 - 145	
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		ug/Kg	102	80 - 120	73 - 127	
Ethyl-t-butyl ether (ETBE)	50.0	65.71	*+ 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	
Methyl-t-Butyl Ether (MTBE)	50.0	68.65	*+	ug/Kg	137	79 - 123	72 - 130	X
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	

Marginal Exceedance (ME) Summary

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

Job ID: 570-159170-1

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

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance 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-trifluoroethane	50.0	35.21	*- me	ug/Kg	70	73 - 130	64 - 140	ME
1,2,4-Trimethylbenzene	50.0	49.97		ug/Kg	100	80 - 124	73 - 131	
1,3,5-Trimethylbenzene	50.0	53.16		ug/Kg	106	80 - 121	73 - 128	
Vinyl acetate	50.0	66.39	*+ me	ug/Kg	133	71 - 125	62 - 134	ME
Vinyl chloride	50.0	43.46		ug/Kg	87	79 - 133	70 - 142	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal 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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance 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	

Marginal Exceedance (ME) Summary

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

Job ID: 570-159170-1

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

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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance 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	
1,2-Dibromo-3-Chloropropane	50.0	57.21		ug/Kg	114	67 - 120	58 - 129	
1,2-Dibromoethane	50.0	55.33		ug/Kg	111	80 - 120	73 - 127	
Dibromomethane	50.0	54.53		ug/Kg	109	80 - 120	73 - 127	
1,2-Dichlorobenzene	50.0	52.85		ug/Kg	106	80 - 120	73 - 127	
1,3-Dichlorobenzene	50.0	53.57		ug/Kg	107	80 - 120	73 - 127	
1,4-Dichlorobenzene	50.0	51.71		ug/Kg	103	80 - 120	73 - 127	
Dichlorodifluoromethane	50.0	51.43		ug/Kg	103	63 - 146	49 - 160	
1,1-Dichloroethane	50.0	52.76		ug/Kg	106	79 - 124	72 - 132	
1,2-Dichloroethane	50.0	49.32		ug/Kg	99	77 - 120	70 - 127	
1,1-Dichloroethene	50.0	49.43		ug/Kg	99	74 - 132	64 - 142	
1,2-Dichloropropane	50.0	54.30		ug/Kg	109	80 - 126	72 - 134	
1,3-Dichloropropane	50.0	54.56		ug/Kg	109	80 - 120	73 - 127	
2,2-Dichloropropane	50.0	62.52		ug/Kg	125	73 - 135	63 - 145	
1,1-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	
Ethanol	500	356.2		ug/Kg	71	46 - 159	27 - 178	
Ethylbenzene	50.0	52.33		ug/Kg	105	80 - 120	73 - 127	
Ethyl-t-butyl ether (ETBE)	50.0	58.55		ug/Kg	117	77 - 129	68 - 138	
2-Hexanone	50.0	55.26		ug/Kg	111	70 - 137	59 - 148	
Isopropylbenzene	50.0	56.07		ug/Kg	112	80 - 122	73 - 129	
Methylene Chloride	50.0	51.29		ug/Kg	103	74 - 120	66 - 128	
4-Methyl-2-pentanone	50.0	61.98		ug/Kg	124	74 - 124	66 - 132	
Methyl-t-Butyl Ether (MTBE)	50.0	56.56		ug/Kg	113	79 - 123	72 - 130	
m,p-Xylene	100	107.1		ug/Kg	107	80 - 120	73 - 127	
Naphthalene	50.0	56.71		ug/Kg	113	79 - 121	72 - 128	
n-Butylbenzene	50.0	54.24		ug/Kg	108	79 - 131	70 - 140	
N-Propylbenzene	50.0	54.85		ug/Kg	110	80 - 122	73 - 129	
o-Xylene	50.0	51.86		ug/Kg	104	80 - 120	73 - 127	
p-Isopropyltoluene	50.0	52.41		ug/Kg	105	80 - 126	72 - 134	
sec-Butylbenzene	50.0	54.37		ug/Kg	109	80 - 125	73 - 133	
Styrene	50.0	53.44		ug/Kg	107	80 - 120	73 - 127	
Tert-amyl-methyl ether (TAME)	50.0	61.42	*+ me	ug/Kg	123	80 - 120	73 - 127	ME
tert-Butyl alcohol (TBA)	250	261.5		ug/Kg	105	74 - 123	66 - 131	
tert-Butylbenzene	50.0	53.10		ug/Kg	106	80 - 124	73 - 131	
1,1,1,2-Tetrachloroethane	50.0	55.64		ug/Kg	111	80 - 125	73 - 133	
1,1,2,2-Tetrachloroethane	50.0	60.20		ug/Kg	120	80 - 124	73 - 131	
Tetrachloroethene	50.0	51.41		ug/Kg	103	80 - 122	73 - 129	
Toluene	50.0	53.60		ug/Kg	107	80 - 120	73 - 127	
trans-1,2-Dichloroethene	50.0	51.24		ug/Kg	102	75 - 123	67 - 131	
trans-1,3-Dichloropropene	50.0	62.23		ug/Kg	124	80 - 124	73 - 131	
1,2,3-Trichlorobenzene	50.0	54.28		ug/Kg	109	80 - 123	73 - 130	
1,2,4-Trichlorobenzene	50.0	56.24		ug/Kg	112	80 - 125	73 - 133	
1,1,1-Trichloroethane	50.0	51.59		ug/Kg	103	78 - 130	69 - 139	
1,1,2-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	

Marginal Exceedance (ME) Summary

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

Job ID: 570-159170-1

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

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

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,2,3-Trichloropropane	50.0	56.67		ug/Kg	113	79 - 120	72 - 127	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.63		ug/Kg	101	73 - 130	64 - 140	
1,2,4-Trimethylbenzene	50.0	52.80		ug/Kg	106	80 - 124	73 - 131	
1,3,5-Trimethylbenzene	50.0	53.20		ug/Kg	106	80 - 121	73 - 128	
Vinyl acetate	50.0	71.80	*+	ug/Kg	144	71 - 125	62 - 134	X
Vinyl chloride	50.0	56.78		ug/Kg	114	79 - 133	70 - 142	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
71	4	1

ME = Marginal Exceedance
X = % Recovery is greater than widest possible limit

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance 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	

Marginal Exceedance (ME) Summary

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

Job ID: 570-159170-1

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

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

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

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	
1,1-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	
Isopropylbenzene	50.0	54.15		ug/Kg	108	80 - 122	73 - 129	
Methylene Chloride	50.0	49.44		ug/Kg	99	74 - 120	66 - 128	
4-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	
m,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	
o-Xylene	50.0	50.17		ug/Kg	100	80 - 120	73 - 127	
p-Isopropyltoluene	50.0	51.59		ug/Kg	103	80 - 126	72 - 134	
sec-Butylbenzene	50.0	53.39		ug/Kg	107	80 - 125	73 - 133	
Styrene	50.0	51.99		ug/Kg	104	80 - 120	73 - 127	
Tert-amyl-methyl ether (TAME)	50.0	58.09		ug/Kg	116	80 - 120	73 - 127	
tert-Butyl alcohol (TBA)	250	261.1		ug/Kg	104	74 - 123	66 - 131	
tert-Butylbenzene	50.0	51.51		ug/Kg	103	80 - 124	73 - 131	
1,1,1,2-Tetrachloroethane	50.0	53.10		ug/Kg	106	80 - 125	73 - 133	
1,1,2,2-Tetrachloroethane	50.0	58.42		ug/Kg	117	80 - 124	73 - 131	
Tetrachloroethene	50.0	49.72		ug/Kg	99	80 - 122	73 - 129	
Toluene	50.0	51.98		ug/Kg	104	80 - 120	73 - 127	
trans-1,2-Dichloroethene	50.0	49.98		ug/Kg	100	75 - 123	67 - 131	
trans-1,3-Dichloropropene	50.0	60.20		ug/Kg	120	80 - 124	73 - 131	
1,2,3-Trichlorobenzene	50.0	53.31		ug/Kg	107	80 - 123	73 - 130	
1,2,4-Trichlorobenzene	50.0	55.13		ug/Kg	110	80 - 125	73 - 133	
1,1,1-Trichloroethane	50.0	49.81		ug/Kg	100	78 - 130	69 - 139	
1,1,2-Trichloroethane	50.0	53.63		ug/Kg	107	80 - 123	73 - 130	
Trichloroethene	50.0	50.41		ug/Kg	101	80 - 127	72 - 135	
Trichlorofluoromethane	50.0	56.53		ug/Kg	113	70 - 144	58 - 156	
1,2,3-Trichloropropane	50.0	53.53		ug/Kg	107	79 - 120	72 - 127	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.85		ug/Kg	98	73 - 130	64 - 140	
1,2,4-Trimethylbenzene	50.0	52.02		ug/Kg	104	80 - 124	73 - 131	
1,3,5-Trimethylbenzene	50.0	51.03		ug/Kg	102	80 - 121	73 - 128	
Vinyl acetate	50.0	68.65	*+	ug/Kg	137	71 - 125	62 - 134	X
Vinyl chloride	50.0	53.83		ug/Kg	108	79 - 133	70 - 142	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
71	4	0

X = % Recovery is greater than widest possible limit

QC Association Summary

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

Job ID: 570-159170-1

GC/MS VOA

Prep Batch: 380022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-159170-1	SV-2 10'	Total/NA	Solid	5030C	
570-159170-2	SV-2 15'	Total/NA	Solid	5030C	
570-159170-4	SV-1-15	Total/NA	Solid	5030C	
570-159170-5	SV-4 10'	Total/NA	Solid	5030C	
570-159170-6	SV-3 10'	Total/NA	Solid	5030C	
MB 570-380022/5-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-380022/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-380022/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-159170-3	SV-1-10	Total/NA	Solid	5030C	
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	

Analysis Batch: 380576

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

Job ID: 570-159170-1

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

Lab Chronicle

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

Job ID: 570-159170-1

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
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	8260B		1	5 g	5 mL	380035	11/03/23 13:09	AH8S	EET CAL 4
	Instrument ID: GCMSGGG									
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
	Instrument ID: GC48									

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 13:31	AH8S	EET CAL 4
	Instrument ID: GCMSGGG									
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
	Instrument ID: GC48									

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	8260B		1	5 g	5 mL	380044	11/03/23 18:14	U4JL	EET CAL 4
	Instrument ID: GCMSQ									
Total/NA	Prep	3550C			9.97 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 03:56	SP9M	EET CAL 4
	Instrument ID: GC48									

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

Lab Sample ID: 570-159170-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
	Instrument 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
	Instrument ID: GC48									

Lab Chronicle

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

Job ID: 570-159170-1

Client Sample ID: SV-4 10'

Lab Sample ID: 570-159170-5

Date Collected: 11/01/23 13:50

Matrix: Solid

Date Received: 11/02/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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	8260B		1	5 g	5 mL	380035	11/03/23 14:37	AH8S	EET CAL 4
	Instrument ID: GCMSGGG									
Total/NA	Prep	3550C			10.01 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 04:38	SP9M	EET CAL 4
	Instrument ID: GC48									

Client Sample ID: SV-3 10'

Lab Sample ID: 570-159170-6

Date Collected: 11/01/23 14:34

Matrix: Solid

Date Received: 11/02/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.04 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 14:58	AH8S	EET CAL 4
	Instrument 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 04:59	SP9M	EET CAL 4
	Instrument ID: GC48									

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 570-159170-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B	5030C	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B	5030C	Solid	1,1-Dichloropropene
8260B	5030C	Solid	1,2,3-Trichlorobenzene
8260B	5030C	Solid	1,2,4-Trimethylbenzene
8260B	5030C	Solid	1,3,5-Trimethylbenzene
8260B	5030C	Solid	1,3-Dichloropropane
8260B	5030C	Solid	2,2-Dichloropropane
8260B	5030C	Solid	2-Butanone
8260B	5030C	Solid	2-Chlorotoluene
8260B	5030C	Solid	2-Hexanone
8260B	5030C	Solid	Acetone
8260B	5030C	Solid	Ethanol
8260B	5030C	Solid	Isopropylbenzene
8260B	5030C	Solid	p-Isopropyltoluene
8260B	5030C	Solid	Vinyl acetate

Method Summary

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

Job ID: 570-159170-1

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

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

Job ID: 570-159170-1

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

eurofins | Calscience

Loc: 570

CHAIN OF CUSTODY RE 159170

2841 Dow Avenue, Suite 100, Tustin, CA 92780 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

WO # / LAB USE ONLY

DATE: 11/1/23

PAGE: 1 OF

LABORATORY CLIENT: Enviroapplications, Inc

ADDRESS: 2831 Camino Del Rio South, Suite 214

CITY: San Diego STATE: CA ZIP: 92108

TEL: 805-987-8728 E-MAIL: bsentianin@enviroapplications.com

CLIENT PROJECT NAME / NUMBER: LENNAR GREENBELT

P.O. NO.: 80LNRGNL23

PROJECT CONTACT: Bernard Sentianin

SAMPLER(S): (PRINT) B. Sentianin

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
NEED RESULTS BY 11/9/23

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
1	SV-2 10'	11/1/23	1018	S	1						X			X								
2	SV-2 15'	"	1037	"	1						X			X								
3	SV-1-10'	"	1110	"	1						X			X								
4	SV-1-15'	"	1116	"	1						X			X								
5	SV-4 10'	"	1350	"	1						X			X								
6	SV-3 10'	"	1434	"	1						X			X								

570-159170 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	EC	11/02/23	1200
Relinquished by: (Signature) EC	Received by: (Signature/Affiliation)	Date:	Time:
		11/02/23	1700
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

1.6/2.0 Sch

06/02/14 Revision

Login Sample Receipt Checklist

Client: EnviroApplications, Inc.

Job Number: 570-159170-1

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

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	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	

Mobile Geochemistry Inc.

08 November 2023

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: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
Geochemistry Inc.

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	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
SV3-5	E311010-05	Vapor	01-Nov-23	01-Nov-23

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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

DETECTIONS SUMMARY

Sample ID: **SV2-5** Laboratory ID: **E311010-01**

Analyte	Result	Reporting 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	

Sample ID: **SV2-5 REP** Laboratory ID: **E311010-02**

Analyte	Result	Reporting 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	

Sample ID: **SV1-5** Laboratory ID: **E311010-03**

Analyte	Result	Reporting 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	

H&P Mobile
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2470 Impala Drive
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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

Sample ID: **SV1-5** Laboratory ID: **E311010-03**

Analyte	Result	Reporting 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: **E311010-04**

Analyte	Result	Reporting 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: **E311010-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**5.0**	3.8	ug/m3	EPA TO-15	
Chlorobenzene	**6.0**	4.7	ug/m3	EPA TO-15	

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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

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E311010-01) 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	**2.4**	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)	**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	"	"	"	"	"	"	

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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

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E311010-01) Vapor Sampled: 01-Nov-23 Received: 01-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	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*		*77-127*	"	"	"	"	
SV2-5 REP (E311010-02) 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	"	"	"	"	"	"	
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	"	"	"	"	"	"	

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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

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 REP (E311010-02) Vapor Sampled: 01-Nov-23 Received: 01-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	"	"	"	"	"	"	
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 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*93.3 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.3 %*		*77-127*	"	"	"	"	

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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

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E311010-03) 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	**2.9**	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)	**38**	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**65**	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	**13**	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)	**95**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**36**	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	**5.2**	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.7**	4.4	"	"	"	"	"	"	
m,p-Xylene	**21**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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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

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E311010-03) Vapor Sampled: 01-Nov-23 Received: 01-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 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*		*77-127*	"	"	"	"	
SV4-5 (E311010-04) 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	"	"	"	"	"	"	
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	"	"	"	"	"	"	

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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

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (E311010-04) Vapor Sampled: 01-Nov-23 Received: 01-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	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**5.2**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**530**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
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	**7.7**	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		*102 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*93.1 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.5 %*		*77-127*	"	"	"	"	

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2625 Townsgate Rd, Ste 330	Project Number: 1698 Greenbriar Ln	Reported:
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Volatile Organic Compounds by EPA TO-15

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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	"	"	"	"	"	"	
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	**5.0**	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	**6.0**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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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

H&P Mobile Geochemistry, 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									
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 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.6 %*		*77-127*	"	"	"	"	

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Westlake Village, CA 91361	Project Manager: Bernard Sentianin	08-Nov-23 09:24

Volatile Organic Compounds by EPA TO-15 - Quality Control

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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	"							
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	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	"							

H&P Mobile
Geochemistry Inc.

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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

H&P Mobile Geochemistry, Inc.

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						
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			

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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

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK30608 - TO-15										
LCS (EK30608-BS1)				Prepared & Analyzed: 06-Nov-23						
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*			

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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 www.handpmg.com/about/certifications.

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2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
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P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 11/1/23
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Enviro Applications	Project Name / #: 80.LVBGBN2.23
Lab Client Project Manager: Bernie Sentiania	Project Location: 1698 Greenbriar lane
Lab Client Address: 2625 Townsgate Road, suite 330	Report E-Mail(s): bsentiania@enviroapplications.com
Lab Client City, State, Zip: Westlake Village, CA 91361	
Phone Number: (805) 207-5275	

Reporting Requirements

- [x] Standard Report
- [ ] Level III
- [ ] Level IV
- [ ] Excel EDD
- [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time

- [x] Standard (7 days for preliminary report, 10 days for final report)
- [x] Rush (specify): Final 11/9

Sampler Information

Sampler(s): C. WHITE
Signature:
Date: 11/1/23

Sample Receipt (Lab Use Only)

Date Rec'd: 11/3	Control #: 230558.04
H&P Project #: EAP110323-10	
Lab Work Order #: E31010	
Sample Intact: [x] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID: 60206	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials: KB	

Additional Instructions to Laboratory:

* Preferred VOC units (please choose one):
[ ] µg/L [x] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [x] TO-15	VOCs Short List / Project List [ ] 8260SV [ ] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15	TPHv as Gas [ ] 8260SVm [ ] TO-15m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [x] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2
SV2-5		11/01/23	1344	SV	400	001	-2	✓						✓		
SV2-5REP		"	1347	"	"	119	-2	✓						✓		
SV1-5		"	1404	"	"	323	-2	✓						✓		
SV4-5		"	1445	"	"	245	-1	✓						✓		
SV3-5		"	1455	"	"	261	-1	✓						✓		

Approved/Relinquished by:	Company: EA1	Date: 11/1/23	Time: 1506	Received by: C. WHITE	Company: H&P	Date: 11/1/23	Time: 1506
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Summa

H&P Project #: EAP110123-SP10/TECH
Site Address: 1698 Greenbriar lane
Consultant: Enviro Applications
Consultant Rep(s): Bernie

Date: 11-01-23
Page: 1 of 1
H&P Rep(s): J. Arellano A. Maldonado C. White C. Santiago

Reviewed: EC
Scanned: DV

Equipment Info
Inline Gauge ID#: T29
Pump ID#: 015

Purge Volume Information
PV Amount: 3PV
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

	Sample and Summa Information							Probe Specs							Purge & Collection Information						
	Point ID	Summa ID #	Sample Kit ID #	Start Time	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 ☑ H_2O
1	SV2-5	001	267	1340	-30	1344	0	5	7	1/8	12	2.25	12	2.25	✓	✓	2131	200	10:39	200	-10
2	SV2-5REP	119	267	1344	-28	1347	0	5	7	1/8	12	2.25	12	2.25	✓	✓	2531	200	-	200	-10
3	SV1-5	323	372	1401	-28	1404	0	5	7	1/8	12	2.25	12	2.25	✓	✓	2131	200	10:39	200	-20
4	SV4-5	245	395	1442	-27	1445	0	5	7	1/8	12	.75	6	.75	✓	✓	189	200	-	200	0
5	SV3-5	261	265	1452	-26	1455	0	5	7	1/8	12	.75	6	.75	✓	✓	189	200	-	200	0
6																					
7																					
8																					
9																					
10																					
11																					
12																					

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

Mobile Geochemistry Inc.

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: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

H&P Mobile
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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

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

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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

DETECTIONS SUMMARY

Sample ID: **SV7-5** Laboratory ID: **E311041-01**

Analyte	Result	Reporting 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: **E311041-02**

Analyte	Result	Reporting 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: **E311041-03**

Analyte	Result	Reporting 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	

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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.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV7-5 (E311041-01) Vapor Sampled: 14-Nov-23 Received: 15-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,p-Xylene	**45**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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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.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV7-5 (E311041-01) Vapor Sampled: 14-Nov-23 Received: 15-Nov-23									
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	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		*108 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*118 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.4 %*		*77-127*	"	"	"	"	
SV6-4 (E311041-02) Vapor Sampled: 14-Nov-23 Received: 15-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	"	"	"	"	"	"	

H&P Mobile
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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.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV6-4 (E311041-02) Vapor Sampled: 14-Nov-23 Received: 15-Nov-23									
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	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	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*115 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.4 %*		*77-127*	"	"	"	"	

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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.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 (E311041-03) Vapor Sampled: 14-Nov-23 Received: 15-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	"	"	"	"	"	"	
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	**4.5**	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	**56**	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	**10**	4.4	"	"	"	"	"	"	
m,p-Xylene	**58**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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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.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 (E311041-03) Vapor Sampled: 14-Nov-23 Received: 15-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 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*		*77-127*	"	"	"	"	

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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

H&P Mobile Geochemistry, Inc.

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	"							
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	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	"							

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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

H&P Mobile Geochemistry, Inc.

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	"							
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			

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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

H&P Mobile Geochemistry, Inc.

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*			

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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 www.handpmg.com/about/certifications.

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VAPOR / AIR Chain of Custody

DATE: 11/14/23
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: ENVIROAPPLICATIONS	Project Name / #: 80.LNRGRN2.23
Lab Client Project Manager: BERNARD SENTIANIN	Project Location: 1700 GREENBRIAR, BREA
Lab Client Address: 2831 CAMINO DEL RIO S. #214	Report E-Mail(s): bsentianin@enviroapplications.com
Lab Client City, State, Zip: SAN DIEGO CA 92108	
Phone Number: 805-701-5275	

Sample Receipt (Lab Use Only)

Date Rec'd: 11/14	Control #: 230592.02
H&P Project #: EAP111423-12	
Lab Work Order #: E311041	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID: 60206	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials: MB	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☐ **Standard** (7 days for preliminary report, 10 days for final report)
48HR TAT:
☒ **Rush** (specify): BY 11/21

Sampler Information

Sampler(s): K. Scheinlen
Signature: [signature]
Date: 11/14/23

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SV7-5		11/14/23	1022	SV	400ml SVmm	603	0	X						X					
SV6-4		↓	1029	↓	↓	604	0	X						X					
SV5-5		↓	1037	↓	↓	602	0	X						X					

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
[signature]		11/14/23	1100	[signature]	H&P	11/14/23	1100
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Appendix 5A1, Rev 1/9/2019, Effective 1/21/2019

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Summa

H&P Project #: EAP111423-TECH
Date: 11/14/23
Site Address: 1698 Greenbrier Lane, Brea
Page: 1 of 1
Consultant: Eavino Applications
H&P Rep(s): K. Schleicher
Reviewed: EC
Consultant Rep(s): Brea
Scanned: JV

Equipment Info
Inline Gauge ID#:
Pump ID#: 026

Purge Volume Information
PV Amount: 3PV
PV Includes: ☒ Tubing ☑ Sand 40% ☒ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☒ 1,1-DFA
☐ 1,1,1,2-TFA
☐ IPA
☐ Other:

	Sample and Summa Information							Probe Specs							Purge & Collection Information						
	Point ID	Summa ID #	Sample Kit ID #	Start Time	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 ☒ H_2O
1	SV7.5	603	210	1019	-28.0	1022	0.0	5	7	1/8	12	.75	6	.75	✓	✓	189	200	0:57	200	0
2	SV6.4	604	206	1026	-27.0	1029	0.0	4	7	1/8	12	.75	6	.75	✓	✓	189	200	0:57	200	0
3	SV5.5	602	054	1035	-28.5	1037	0.0	5	7	1/8	12	.75	6	.75	✓	✓	189	200	0:57	200	0
4																					
5																					
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10																					
11																					
12																					

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