



— Expect Excellence —

GEOTECHNICAL
ENVIRONMENTAL
WATER RESOURCES
CONSTRUCTION SERVICES
COASTAL/MARINE GEOTECHNICS

October 17, 2022
Revised March 13, 2024

Project No.
20816.000.001

Mr. Jimmy Park
4590 Patrick Henry LLC
101 California Street, Suite 950
San Francisco, CA 94111

Subject: 4590 Patrick Henry Drive
Santa Clara, California

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Dear Mr. Park:

We are pleased to submit the findings of our phase II environmental site assessment at the subject property (Property) in Santa Clara, California.

SITE BACKGROUND

The Property is approximately 2.8 acres in area and is identified as Assessor's Parcel Number (APN) 104-04-123 (Figure 1). The Property is currently occupied by a single-story commercial structure, along with associated parking and landscaping. The building on the Property was constructed in 1990 and was previously occupied by California Eastern Laboratories (CEL), the original tenant, and Benvenue Medical, Inc. (Benvenue). CEL used the building for offices and research and development of circuit board prototypes. The building is currently vacant. A phase II environmental site assessment (ESA) was conducted at the Property to evaluate potential impacts resulting from past on-site and off-site activities.

We understand that the proposed development on the Property consists of an eight-story multi-family residential building with approximately 284 units. The building's first three levels will consist of above-grade parking.

SCOPE OF ENVIRONMENTAL FIELD EXPLORATION

Field activities were conducted on September 22, 2022. Prior to exploration, an ENGEO representative visited the Property to mark/locate the sample locations and contacted USA North Service Alert to facilitate the notification of operators of utilities at or near the Property. ENGEO also retained a private utility locator to clear exploratory sampling locations of potential subsurface utilities. ENGEO retained Penecore Drilling of Woodland, California, a C-57 licensed drilling contractor, to advance the soil, groundwater, and soil gas borings at the Property. Sample locations are presented in Figure 2.

Soil Sampling

As requested, soil samples were collected from two borings (S-1 and S-2) from the southern portion of the Property, planned to be a future City park. Soil samples were collected from each of the borings at depths of 0 to 6 inches and 18 to 24 inches below ground surface (bgs) in order to characterize the near-surface soil.

Soil samples were retrieved within Geoprobe® acetate core liners. New, one-time-use acetate sleeves were used at each sampling location to prevent cross contamination. Soil samples were collected for laboratory analysis by cutting 6-inch portions of the Geoprobe® soil core liners corresponding to the respective desired sampling depths in each location. Samples were capped with Teflon® sheets. Upon collection of samples, a label was placed on each sample, including a unique sample number and time/date collected. The samples were submitted under documented chain-of-custody to Torrent Laboratory, Inc., a State-accredited laboratory located in Milpitas, California. The soil samples were analyzed for the following analytes.

- Organochlorine pesticides (EPA Method 8081)
- CAM 17 metals (EPA Methods 6010/6020/7471)
- Total petroleum hydrocarbons (TPH) as gasoline (TPH-g) and full-suite volatile organic compounds (VOCs) (EPA Test Method 8260B)
- TPH as diesel (TPH-d) and TPH as motor oil (TPH-mo) (EPA Test Method 8015M)

Borings were grouted upon completion of the sampling.

Soil Gas Sampling

Temporary soil gas probes were installed at Borings SG-1 through SG-4, to a depth of 6 feet bgs. Each probe was placed in the middle of an 18-inch-thick sand layer, with 6 inches of dry granular bentonite over the probe, then grouted with hydrated bentonite to the ground surface. Soil gas probes consisted of a stainless-steel probe tip connected to ¼-inch-diameter Teflon® tubing with a closed T-fitting at the terminal end. Each probe was left to equilibrate for 2 hours prior to sampling.

Sampling was conducted in general accordance with the Department of Toxic Substances Control (DTSC) *Final Advisory: Active Soil Gas Investigations* (July 2015) and the CalEPA/DTSC/SWRCB DRAFT *Supplemental Guidance: Screening and Evaluating Vapor Intrusion* (February 2020). A leak test was conducted prior to purging or sampling. The probe T-fittings were closed, and manifold connections tightened; the purge summa canister was opened. An increase in vacuum of approximately 20 inches of mercury (inHg) was observed in the manifold as measured using the vacuum gauge on the flow regulator, and the purge summa canister was closed. If the vacuum held for 2 minutes, the test passed; if vacuum decreased over this period, fittings were retightened and the test repeated until passed. Prior to sampling, manifolds were assembled and connected to each probe's closed T-fitting. The sample manifolds consisted of a flow regulator set to 200 milliliters per minute (mL/min), connected to a 6-liter purge summa canister and a 1-liter sample summa canister.

A piece of cloth soaked in the leak check compound, 1,1-difluoroethane (1,1-DFA), was then placed on the manifold and covered with a shroud. The purge canister was opened, and three purge volumes of dead space (pore space of sand pack and dry bentonite, plus tubing volume) were removed. After purging, the sample summa canister was opened, and sampling conducted until the sample summa canister registered approximately 5 inHg.

The samples were labeled with a unique sample ID and submitted under documented chain-of-custody to Torrent Laboratory, Inc. The soil gas samples were analyzed as follows.

- VOCs by EPA Test Method TO-15.
- Oxygen (fixed gas analysis) by ASTM Test Method D1946.

Borings were grouted upon completion of the sampling.

Groundwater Sampling

In addition, grab groundwater samples were collected from two of the borings (GW-1 and GW-2) to characterize groundwater. A bailer was used to collect groundwater samples. Groundwater was encountered at a depth of approximately 10 to 12 feet bgs. The groundwater samples were analyzed for VOCs (EPA Test Method 8260B). Borings were grouted upon completion of the sampling.

Subsurface Conditions

Soil was logged on boring logs using the Unified Soil Classification System (USCS), presented in Appendix A. Soil was screened with a Mini-RAE photoionization detector (PID) for VOC emissions. The subsurface beneath the pavement/aggregate base primarily consisted of dark grayish brown moist lean clay with organics in the liner. A layer of wet sand was observed beginning around 10 feet to 12 feet bgs, and groundwater was collected at this depth. We reviewed EnviroStor, a website maintained by the State of California Department of Toxic Substances Control, and GeoTracker, a website maintained by the State of California Water Resources Control Board, for nearby facilities with records that include depth-to-groundwater measurements. The following information was obtained regarding local groundwater conditions.

TABLE 1: Local Groundwater Conditions

FACILITY	PROXIMITY TO PROPERTY	REPORTED DEPTH TO GROUNDWATER	REPORTED GROUNDWATER FLOW DIRECTION
Exxon #7-9370	0.1 mile west	9-13 feet	North-northeast
Shell – 1101 Lawrence	0.1 mile west	7 to 11 feet	North

ANALYTICAL RESULTS

Soil Analytical Results

Soil sample results were compared to the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs)¹ for a residential land use.

Various TPH analytes, VOCs, metals, and OCPs were detected in the soil samples above laboratory reporting limits. None of the soil samples exhibited concentrations of exceeding applicable screening levels. The following is a summary of the detected analytes.

¹ Regional Water Quality Control Board (RWQCB); Environmental Screening Levels (ESLs); Direct Exposure Residential Soil (Table S-1); 2019 (Rev. 2).

- All metals were detected at concentrations below the corresponding screening levels, with the exception of arsenic. Arsenic exceeded respective residential screening levels in all of the samples analyzed, but the detected concentrations were below the typical naturally occurring arsenic background level of 11 milligrams per kilogram (mg/kg) for arsenic in the San Francisco Bay Area. Although, below health-based screening levels based on total chromium concentrations, two soil samples exhibited chromium concentrations in excess of 50 mg/kg, which is greater than 10 times the soluble threshold limit concentration (STLC)² of 5 milligrams per liter (mg/L). If the soil at these locations is to be excavated and offhauled, solubility testing for chromium should be conducted to determine whether the soil is categorized as California hazardous material.
- TPH-g was not detected in any of the soil samples. TPH-d and TPH-mo were detected below their corresponding residential screening levels.
- Methylene chloride, toluene, and trichloroethylene (TCE) were the VOCs detected in the soil samples, all at concentrations below their corresponding residential screening levels.
- OCPs, including DDE, alpha-chlordane, dieldrin, and gamma-chlordane were detected in the soil samples, all at concentrations below their corresponding residential screening levels.

A summary of the soil analytical results is presented in Table A. The analytical laboratory reports are presented in their entirety in Appendix B.

Groundwater Analytical Results

Groundwater samples were compared to the RWQCB ESLs based on Maximum Concentration Limit (MCL) Priority³ and Vapor Intrusion⁴ under a residential land use scenario. TCE was the only VOC detected above the laboratory detection limit in one groundwater sample (GW-1) below the corresponding MCL, as well as the vapor intrusion ESL.

A summary of the groundwater analytical results is presented in Table B. The analytical laboratory reports are presented in their entirety in Appendix B.

Soil Gas Analytical Results

Soil gas results were compared to the RWQCB Subslab/Soil Gas ESLs⁵ with an attenuation factor (AF) of 0.03. Three of the four soil gas samples reported exceedances of residential ESLs (using a 0.03 AF) for various VOCs. These exceedances are discussed below.

- Benzene was detected above the residential ESL of 3.2 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), with a 0.03 AF in soil gas samples SG-2 ($9.4 \mu\text{g}/\text{m}^3$) and SG-4 ($3.8 \mu\text{g}/\text{m}^3$).

² Used for California regulated hazardous waste. Source is California Code of Regulations, Title 22, Chapter 11, Article 3. If a substance's total concentration is ten times the STLC value, the Waste Extraction Test (WET) is indicated. If any substance in the waste extract is equal to or greater than the STLC value, it is considered California regulated hazardous waste.

³ Regional Water Quality Control Board (RWQCB); Environmental Screening Levels (ESLs); Direct Exposure Maximum Concentration Limit (MCL) Priority Groundwater (Table GW-1); 2019 (Rev. 2).

⁴ Regional Water Quality Control Board (RWQCB); Environmental Screening Levels (ESLs); Vapor Intrusion Human Health Risk Levels (Table GW-3); 2019 (Rev. 2).

⁵ RWQCB Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1); Residential; January 2019 (Rev. 1).

- Chloroform, ethylbenzene, tetrachloroethylene (PCE), and naphthalene concentrations exceeded the corresponding residential ESLs, with a 0.03 AF in soil gas Sample SG-1.
- TCE was detected above the residential ESL of 16 $\mu\text{g}/\text{m}^3$, with a 0.03 AF in Samples SG-2 (280 $\mu\text{g}/\text{m}^3$), SG-3 (24 $\mu\text{g}/\text{m}^3$), and SG-4 (48 $\mu\text{g}/\text{m}^3$).
- Oxygen was detected ranging between 13 percent (in SG-3) and 20 percent (in SG-1) in the samples collected. This represents a potential bioattenuation zone.

A summary of the soil gas analytical results is presented in Table C. The analytical laboratory reports are presented in their entirety in Appendix B.

DISCUSSION

Soil Gas Screening Levels

Screening levels for chemicals in soil, groundwater, and soil gas are not intended to establish regulations or restrictions on land use, nor to establish any mitigation or remediation requirements, and “the presence of a chemical at concentrations in excess of a screening does not necessarily indicate adverse effects on human health or the environment, rather that additional evaluation is warranted.”⁶ Health and Safety Code Section 57008(a)(3) of SB 32 states the following.

“A screening number is solely an advisory number, and has no regulatory effect, and is published solely as a reference value that may be used by citizen groups, community organizations, property owners, developers, and local government officials to estimate the degree of effort that may be necessary to remediate a contaminated property. A screening number may not be construed as, and may not serve as, a level that can be used to require an agency to determine that no further action is required or a substitute for the cleanup level that is required to be achieved for a contaminant on a contaminated property.”

The concern with elevated VOCs in soil gas, with respect to a risk to human health, is if soil gas enters indoor air through vapor intrusion. The screening levels for soil gas are therefore calculated based on a ratio of the acceptable indoor air concentration to the soil gas concentration. This ratio is referred to as an attenuation factor. The indoor air screening levels for select VOCs are shown in Table 1 below and are the same for both the RWQCB and DTSC.

In January 2019, the RWQCB updated its environmental screening levels to use the United States Environmental Protection Agency’s (EPA) generic attenuation factor of 0.03 (or 33)⁷. This dramatically reduced the screening levels for numerous VOCs.

In April 2019, DTSC’s HERO released an update to the Human Health Risk Assessment Note (referred to as HERO Note 3) that recommended using both the tailored attenuation factors included in the 2011 Vapor Intrusion Guidance and the U.S. EPA generic attenuation factor of 0.03. Therefore, this assessment compares the measured soil gas concentrations to screening levels based on the U.S. EPA’s generic attenuation factor of 0.03.

⁶ San Francisco Bay Regional Water Quality Control Board, User’s Guide: Derivation and Application of Environmental Screening Levels (ESLs), Interim Final 2016 Water Board Environmental Screening Levels.

⁷ San Francisco Bay Regional Water Quality Control Board Update to Environmental Screening Levels dated January 24, 2019.

TABLE 2: Indoor Air and Soil Gas Screening Levels

CHEMICAL	INDOOR AIR (residential) in $\mu\text{g}/\text{m}^3$		SOIL GAS (residential) in $\mu\text{g}/\text{m}^3$
	SF REGIONAL BOARD	DTSC	0.03 ATTENUATION FACTOR
Benzene	0.097	0.097	3.2
Trichloroethylene	0.48	0.48	16
Vinyl chloride	0.0095	0.0095	0.32
Chloroform	0.12	0.12	4
Ethylbenzene	1.1	1.1	36.3
Naphthalene	0.083	0.083	2.8

CONCLUSIONS AND RECOMMENDATIONS

Based on the results, soil does not appear to have been impacted by pesticides, heavy metals, or petroleum hydrocarbons. Although, below health-based screening levels based on total chromium concentrations, two soil samples exhibited chromium concentrations in excess of 50 mg/kg, which is greater than 10 times the STLC of 5 mg/L. If the soil at these locations is to be excavated and offhauled, solubility testing for chromium should be conducted to determine whether the soil is categorized as California hazardous material.

TCE was the only VOC detected above the laboratory detection limit in one groundwater sample (GW-1) below the corresponding MCL, as well as the vapor intrusion ESL. No other VOCs were detected in the grab groundwater samples collected from the Property.

Several VOCs, including benzene, naphthalene, chloroform, ethylbenzene, PCE, and TCE, were detected in the soil gas samples collected from the Property, at concentrations exceeding the corresponding residential ESLs.

With respect to petroleum hydrocarbons, oxygen was detected at concentrations ranging between 13 to 20 percent in the soil gas samples, which suggests a potential bioattenuation zone. As discussed in the *OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air*⁸, substantial attenuation of petroleum hydrocarbons can occur relatively quickly when oxygen supply from the atmosphere is sufficient.

Based on these factors, it is our opinion that soil gas mitigations should be considered for the proposed development to address potential soil gas impacts.

LIMITATIONS

We strive to perform our professional services in accordance with generally accepted principles and practices currently employed in the area; there is no warranty, express or implied. This report is based upon field and other conditions discovered at the time of report preparation. We developed our conclusions with limited subsurface exploration data. If unexpected conditions are

⁸ United States Environmental Protection Agency, Office of Solid Waste and Emergency Response (OSWER) Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, June 2015.

encountered, ENGEO must be notified immediately to review these conditions and provide additional and/or modified conclusions, as necessary.

Because prevailing practice and applicable regulatory standards may change over time, our conclusions are limited to the circumstances under which we performed our services. In addition, the samples recovered and tested as part of this assessment are only representative of the noted locations/depths and the analytes tested. It is not possible to eliminate all risks; therefore, we are unable to guarantee or warrant the results of our services.


If you have any questions or comments regarding this letter, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated



Jeffrey A. Adams, PhD, PE


Shawn Munger, CHG

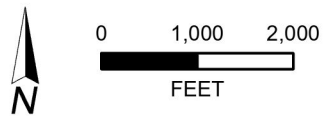
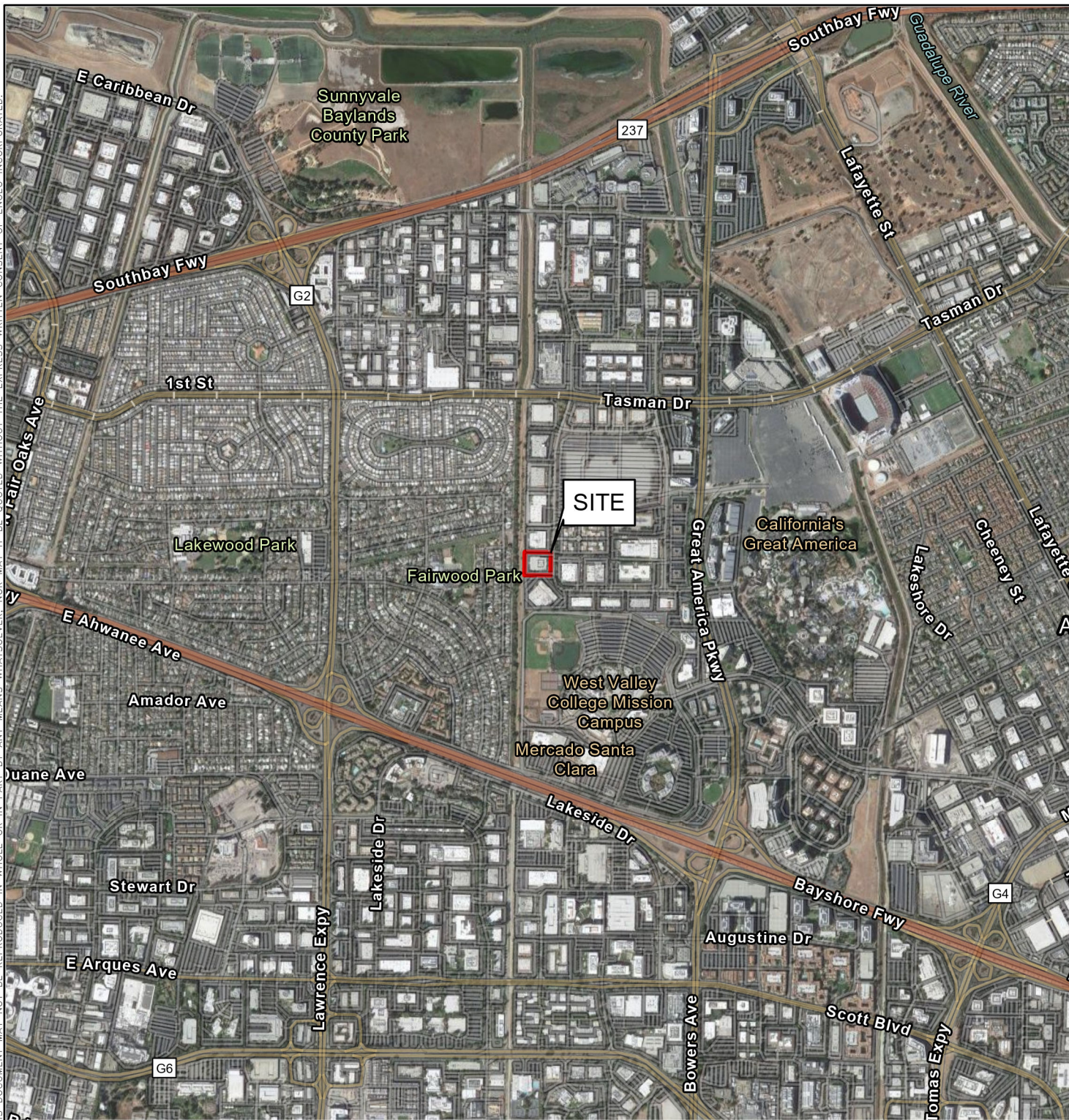
jaa/sm/ca

Attachments: Figures 1 and 2
Tables A, B, and C
Appendix A – Boring Logs
Appendix B – Torrent Laboratory, Inc., Laboratory Analytical Reports

FIGURES

Figure 1 – Vicinity Map
Figure 2 – Site Plan

COPYRIGHT © 2022 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.



BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE, 2021

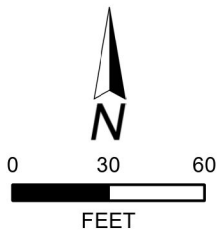
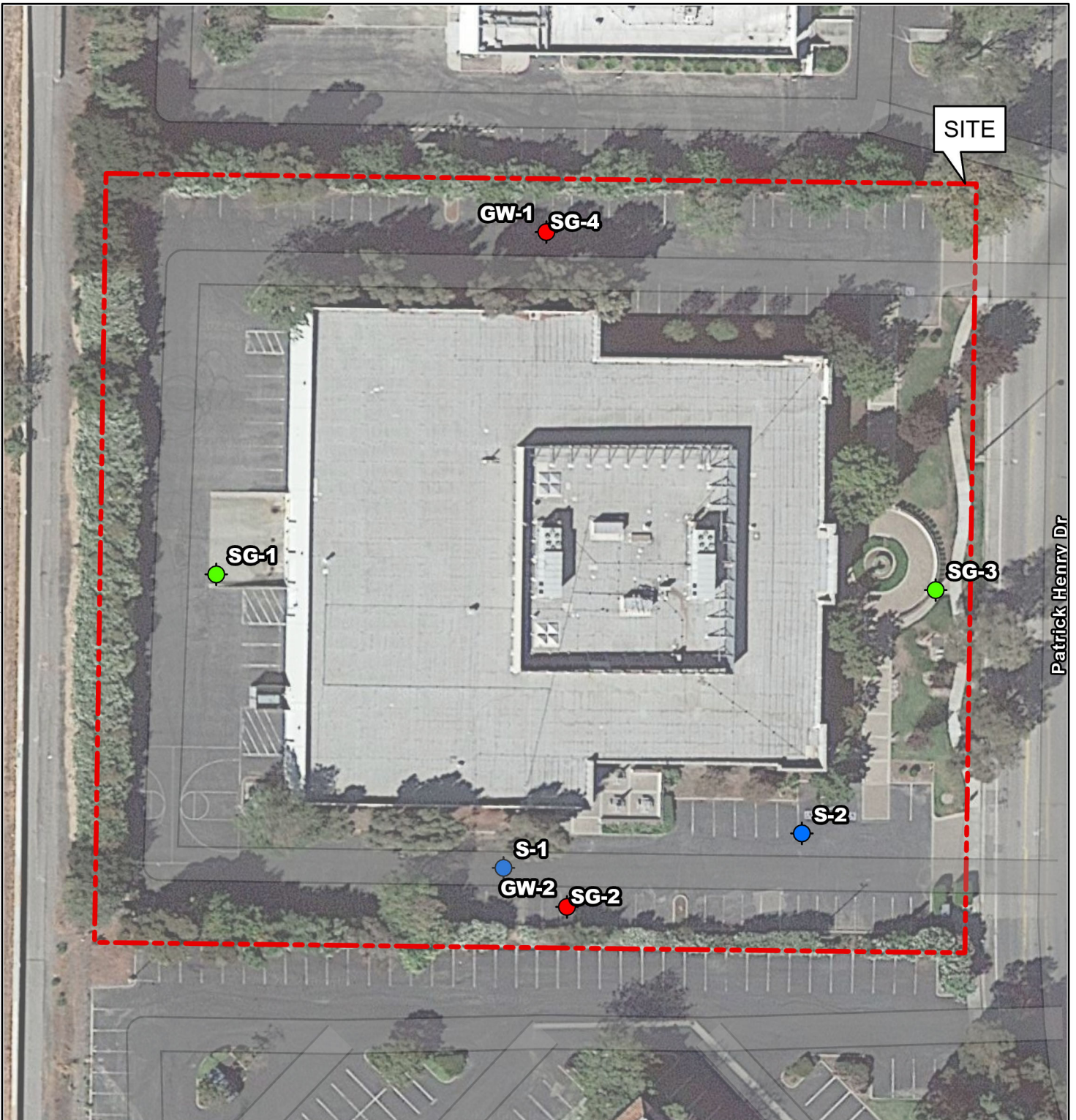


VICINITY MAP
4590 PATRICK HENRY WAY
SANTA CLARA, CALIFORNIA

PROJECT NO. : 20816.000.001	
SCALE: AS SHOWN	
DRAWN BY: JV	CHECKED BY: JAA

FIGURE NO.
1

COPYRIGHT © 2022 BY ENGEO INCORPORATED. THIS DOCUMENT MAY NOT BE REPRODUCED IN WHOLE OR IN PART BY ANY MEANS WHATSOEVER, NOR MAY IT BE QUOTED WITHOUT THE EXPRESS WRITTEN CONSENT OF ENGEO INCORPORATED.



EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- SOIL SAMPLE (ENGEO, 2022)
- SOIL GAS SAMPLE (ENGEO, 2022)
- GROUNDWATER & SOIL GAS SAMPLE (ENGEO, 2022)

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE, 2021



SITE PLAN
 4590 PATRICK HENRY WAY
 SANTA CLARA, CALIFORNIA

PROJECT NO. : 20816.000.001

SCALE: AS SHOWN

DRAWN BY: JV

CHECKED BY: JAA

FIGURE NO.

2

TABLES

- Table A – Summary of Soil Analytical Results**
- Table B – Summary of Groundwater Analytical Results**
- Table C – Summary of Soil Gas Analytical Results**

Table A - Summary of Soil Analytical Results

Sample ID	Depth (feet below ground surface)	Date Collected	Petroleum Hydrocarbons (TPH)			Volatile Organic Compounds (VOCs)				Metals								Organochlorine Pesticides (OCPs)					
			TPH-gasoline	TPH-Diesel	TPH-Motor Oil	Methylene Chloride	Toluene	Trichloroethylene (TCE)	Other VOCs	Arsenic	Barium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc	4,4-DDE	alpha-Chlordane	Dieldrin	gamma-Chlordane	Other OCPs
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
RWQCB Residential ESL¹ or naturally occurring background concentration (arsenic only)²			430	260	12,000	1.88	1,100	0.953	--	11	15,300	--	23.4	3,100	80	825	393	23,000	1.83	--	0.0368	--	--
S-1 @ 0-6"	0-0.5	9/22/2022	<0.043	20.2	273	<0.010	0.0132	<0.010	ND	3.40	204	40.9	7.25	31.7	8.80	37.8	46.6	45.2	0.00771	0.0179	0.0129	0.0305	ND
S-1 @ 18-24"	1.5-2	9/22/2022	<0.043	11.2	23.2	0.0712	0.0143	0.0503	ND	3.73	206	59.0	14.2	34.9	6.95	59.5	57.5	50.0	<0.0061	<0.0036	<0.0025	<0.015	ND
S-2 @ 0-6"	0-0.5	9/22/2022	<0.043	63.7	394	<0.010	0.0363	<0.010	ND	4.35	151	34.8	6.65	28.2	10.4	38.5	38.3	52.0	0.0333	0.00760	0.0129	0.0153	ND
S-2 @ 18-24"	1.5-2	9/22/2022	<0.043	2.11	21.9	0.0184	0.0161	0.0165	ND	3.60	203	51.0	10.2	25.0	4.02	48.4	50.5	36.7	<0.0061	<0.0036	<0.0025	<0.015	ND

Notes:

Results are shown in milligrams per kilogram (mg/kg)

<0.010 indicates analyte was not detected above laboratory reporting limits.

-- indicates screening level not established.

BOLD indicates the concentration was detected above laboratory reporting limits.

Highlighted values exceed residential screening criteria.

¹ Regional Water Quality Control Board (RWQCB); Environmental Screening Levels (ESLs); Direct Exposure Human Health Risk Levels: Residential Shallow Soil Exposure (Table S-1); 2019 (Rev. 2).

² Duverge, D.J., Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region, December 2011.

Table B - Summary of Groundwater Analytical Results

Sample ID	Date Collected	TCE	Other VOCs
Units		µg/L	µg/L
RWQCB ESLs - MCL Priority ¹		5	--
RWQCB GW Vapor Intrusion HHRLs - Residential ²		1.2	--
GW-1	9/22/2022	0.73	ND
GW-2	9/22/2022	<0.66	ND

Notes:

Results are shown in µg/L (micrograms per liter; parts per million)

<0.66 indicates analyte was not detected above laboratory reporting limits.

BOLD indicates the concentration was detected above laboratory reporting limits.

Highlighted values exceed residential screening criteria.

¹ Regional Water Quality Control Board (RWQCB); Environmental Screening Levels (ESLs); Direct Exposure Human Health Risk Levels - Maximum Concentration Limit (MCL) (Table GW-1); 2019 (Rev. 2).

Table C - Summary of Soil Gas Analytical Results

Sample ID	Sample Depth (Feet)	Date Collected	Volatile Organic Compounds (VOCs)																		Fixed Gases		
			1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Propanol (Isopropyl Alcohol)	4-Ethyl Toluene	4-Methyl-2-Pentanone (MIBK)	Acetone	Benzene	Carbon Disulfide	Chloroform	Ethyl Benzene	Hexane	Naphthalene	tert-Butanol	Tetrachloroethylene (PCE)	Toluene	Trichloroethylene (TCE)	m,p-Xylene	o-Xylene	Xylenes (total)	Oxygen
Units			µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	%	
SFBRWQCB Subslab/Soil Gas ESLs with a 0.03 AF ¹			--	--	170,000	--	--	100,000	1.10E+06	3.2	--	4.1	37	--	2.8	--	15	1.00E+04	16	--	--	3.50E+03	--
SG-1	5.5	9/22/2022	<5.9	<5.9	15	<30	<5.9	16	48	<3.8	<3.7	<5.9	<5.2	<4.2	<6.3	<3.6	<8.1	<4.5	11	<5.2	<5.2	0	20
SG-2	5.5	9/22/2022	<9.3	<9.3	38	<47	<9.3	38	110	9.4	13	<9.3	<8.2	21	<10.	<5.8	<13	12	280	<8.2	<8.2	0	na
SG-3	5.5	9/22/2022	3.6	2.9	25	<12	4.9	<2.1	89	<1.6	10	9.5	94	<1.8	3.5	14	19	5.6	24	420	130	550	13
SG-4	5.5	9/22/2022	6.5	<2.5	20	19	2.7	20	64	3.8	3.6	<2.4	<2.2	30	<2.6	<1.5	<3.4	4.3	48	2.5	<2.2	2.5	17

Notes:

Results are shown in µg/m³ (micrograms per cubic meter; parts per billion) or percent (fixed gases only).

<5.9 indicates analyte was not detected above laboratory reporting limits.

-- indicates screening level not established.

na indicates analyte was not analyzed.

BOLD indicates the concentration was detected above laboratory reporting limits.

Highlighted values exceed residential screening criteria.

1 San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1); Residential; January 2019 (Rev. 1) with a 0.03 attenuation factor.

2 San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1); Residential; January 2019 (Rev. 1) with a 0.001 attenuation factor.

APPENDIX A

Boring Logs



LOG OF PROBE GW-1

LATITUDE: 37.235

LONGITUDE: -121.5908

Phase II ESA
4590 Patrick Henry Way
Santa Clara, California
20816.000.001

DATE DRILLED: 9/22/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 17 ft.

LOGGED / REVIEWED BY: W. Hunsdale / DB
DRILLING CONTRACTOR: PENECORE
DRILLING METHOD: Geoprobe
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Recovery (in) / Run (in)	PID (ppm)	REMARKS
			ASPHALT (AB), black, dry					
			AGGREGATE BASE (AB), light brown, dry, angular					
2.5	1		LEAN CLAY (CL), dark brown, moist, medium plasticity, rootlets in liner					
5.0								
			LEAN CLAY (CL), light gray mottled with reddish brown, moist, medium plasticity, trace coarse rounded gravel					
7.5								
			Moisture increases with depth					
10.0	3							

LOG - ENVIRONMENTAL + PROBE PATRICK HENRY BORING LOGS V2.GPJ ENGEO INC.GDT 10/12/22



LOG OF PROBE GW-1





LATITUDE: 37.235

LONGITUDE: -121.5908

Phase II ESA
4590 Patrick Henry Way
Santa Clara, California
20816.000.001

DATE DRILLED: 9/22/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 17 ft.

LOGGED / REVIEWED BY: W. Hunsdale / DB
DRILLING CONTRACTOR: PENECORE
DRILLING METHOD: Geoprobe
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Recovery (in) / Run (in)	PID (ppm)	REMARKS
			WELL GRADED SAND (SW), brown, wet					
			LEAN CLAY (CL), light gray mottled with light brown, wet, medium plasticity					
12.5	4							
15.0			Bottom of boring at 15 feet bgs. Depth to groundwater encountered approximately 11' bgs at time of drilling. Boring backfilled with grout and surface restored to match existing surface condition.					



LOG OF PROBE GW-2

LATITUDE: 37.2347

LONGITUDE: -121.5908

Phase II ESA
4590 Patrick Henry Way
Santa Clara, California
20816.000.001

DATE DRILLED: 9/22/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 17 ft.

LOGGED / REVIEWED BY: W. Hunsdale / DB
DRILLING CONTRACTOR: PENECORE
DRILLING METHOD: Geoprobe
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Recovery (in) / Run (in)	PID (ppm)	REMARKS
			ASPHALT (AB), black, dry					
			AGGREGATE BASE (AB), brown, dry, coarse gravel					
			FAT CLAY (CH), dark brown, moist, high plasticity, rootlets in liner					
2.5	1							
			LEAN CLAY (CL), light gray, slightly moist, medium plasticity, trace coarse subangular gravel					
5.0	2							
			LEAN CLAY (CL), light brown mottled with light gray, moist, medium plasticity					
7.5								
			WELL GRADED SAND (SW), brown, wet, coarse gravel					
10.0	3							

LOG - ENVIRONMENTAL + PROBE PATRICK HENRY BORING LOGS V2.GPJ ENGEO INC.GDT 10/12/22



LOG OF PROBE GW-2



LATITUDE: 37.2347

LONGITUDE: -121.5908

Phase II ESA
4590 Patrick Henry Way
Santa Clara, California
20816.000.001

DATE DRILLED: 9/22/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 17 ft.

LOGGED / REVIEWED BY: W. Hunsdale / DB
DRILLING CONTRACTOR: PENECORE
DRILLING METHOD: Geoprobe
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Recovery (in) / Run (in)	PID (ppm)	REMARKS
12.5	4		LEAN CLAY (CL), light brown mottled with light gray, wet, medium plasticity					
15.0			Bottom of boring at 15 feet bgs. Depth to groundwater encountered approximately 10' bgs at time of drilling. Boring backfilled with grout and surface restored to match existing surface condition.					



LOG OF PROBE SG-1

LATITUDE: 37.2349

LONGITUDE: -121.5908

Phase II ESA
4590 Patrick Henry Way
Santa Clara, California
20816.000.001

DATE DRILLED: 9/22/2022
HOLE DEPTH: 6 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 16 ft.

LOGGED / REVIEWED BY: W. Hunsdale / DB
DRILLING CONTRACTOR: PENECORE
DRILLING METHOD: Geoprobe
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Recovery (in) / Run (in)	PID (ppm)	REMARKS
			ASPHALT (AB), black, dry					
			AGGREGATE BASE (AB), brown, dry, angular coarse gravel					
2.5			FAT CLAY (CH), dark brown, moist, medium plasticity, subangular coarse gravel					
1			LEAN CLAY (CL), light brown, moist, medium plasticity, subangular coarse gravel					
5.0			Vapor probe installed at 5' bgs. Boring surface restored to match existing condition following sampling.					

LOG - ENVIRONMENTAL + PROBE PATRICK HENRY BORING LOGS V2.GPJ ENGEO INC.GDT 10/12/22



LOG OF PROBE SG-2

LATITUDE: 37.2347

LONGITUDE: -121.5909

Phase II ESA
4590 Patrick Henry Way
Santa Clara, California
20816.000.001

DATE DRILLED: 9/22/2022
HOLE DEPTH: 6 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 17 ft.

LOGGED / REVIEWED BY: W. Hunsdale / DB
DRILLING CONTRACTOR: PENECORE
DRILLING METHOD: Geoprobe
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Recovery (in) / Run (in)	PID (ppm)	REMARKS
			ASPHALT (AB), black, dry					
			AGGREGATE BASE (AB), brown, dry, coarse gravel					
			FAT CLAY (CH), dark brown, moist, high plasticity, rootlets in liner					
2.5	1							
			LEAN CLAY (CL), light gray, slightly moist, medium plasticity, trace coarse subangular gravel					
5.0								
			LEAN CLAY (CL), light brown mottled with light gray, moist, medium plasticity					
			Vapor probe installed at 5' bgs. Boring surface restored to match existing condition following sampling.					

LOG - ENVIRONMENTAL + PROBE PATRICK HENRY BORING LOGS V2.GPJ ENGEO INC.GDT 10/12/22



LOG OF PROBE SG-3

LATITUDE: 37.2349

LONGITUDE: -121.5907

Phase II ESA
4590 Patrick Henry Way
Santa Clara, California
20816.000.001

DATE DRILLED: 9/22/2022
HOLE DEPTH: 6 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 18 ft.

LOGGED / REVIEWED BY: W. Hunsdale / DB
DRILLING CONTRACTOR: PENECORE
DRILLING METHOD: Geoprobe
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Recovery (in) / Run (in)	PID (ppm)	REMARKS
2.5			SILT (ML), dark brown, moist, low plasticity, rootlets in liner					
1			LEAN CLAY (CL), light brown, moist, medium plasticity, sand, 5 to 10%					
5.0			Vapor probe installed at 5' bgs. Boring surface restored to match existing condition following sampling.					



LOG OF PROBE SG-4

LATITUDE: 37.235

LONGITUDE: -121.5908

Phase II ESA
4590 Patrick Henry Way
Santa Clara, California
20816.000.001

DATE DRILLED: 9/22/2022
HOLE DEPTH: 6 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 17 ft.

LOGGED / REVIEWED BY: W. Hunsdale / DB
DRILLING CONTRACTOR: PENECORE
DRILLING METHOD: Geoprobe
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Recovery (in) / Run (in)	PID (ppm)	REMARKS
2.5	1		ASPHALT (AB), black, dry					
			AGGREGATE BASE (AB), light brown, dry, angular					
			LEAN CLAY (CL), dark brown, moist, medium plasticity, rootlets in liner					
5.0			Vapor probe installed at 5' bgs. Boring surface restored to match existing condition following sampling.					

LOG - ENVIRONMENTAL + PROBE PATRICK HENRY BORING LOGS V2.GPJ ENGEO INC.GDT 10/12/22

APPENDIX B
TORRENT LABORATORY, INC.
Laboratory Analytical Reports



Engeo Inc (SJ)
6399 San Ignacio Ave, Suite 150
San Jose, California 95119
Tel: 408-574-4900
Fax: 888-279-2698
RE: 4590 Patrick Henry Drive

Work Order No.: 2209168

Dear Divya Bhargava:

Torrent Laboratory, Inc. received 6 sample(s) on September 22, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink that reads "Kathie Evans". The signature is written in a cursive style and is positioned above a horizontal line.

Kathie Evans
Project Manager

September 30, 2022

Date



Date: 9/30/2022

Client: Engeo Inc (SJ)

Project: 4590 Patrick Henry Drive

Work Order: 2209168

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Analytical Comment for SW 6010B, Note: The spikes in the MS/MSD for Barium are not recoverable. The sample concentration is greater than 4X the spike concentration. No corrective action is required.



Sample Result Summary

Report prepared for: Divya Bhargava
 Engeo Inc (SJ)

Date Received: 09/22/22

Date Reported: 09/30/22

GW-1

2209168-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Trichloroethylene	SW8260B	1.31	0.19	0.66	0.73	ug/L

GW-2

2209168-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
--------------------	------------------------	-----------	------------	------------	----------------	-------------

All compounds were non-detectable for this sample.

S-1@ 0-6"

2209168-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.40	mg/Kg
Barium	SW6010B	1	0.055	5.00	204	mg/Kg
Chromium	SW6010B	1	0.075	5.00	40.9	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	7.25	mg/Kg
Copper	SW6010B	1	0.20	5.00	31.7	mg/Kg
Lead	SW6010B	1	0.10	3.00	8.80	mg/Kg
Nickel	SW6010B	1	0.50	5.00	37.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	46.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	45.2	mg/Kg
TPH as Diesel	SW8015B	1	2.7	8.0	20.2	mg/Kg
TPH as Motor Oil	SW8015B	1	3.0	20	273	mg/Kg
gamma-Chlordane	SW8081B	10	0.015	0.030	0.0305	mg/Kg
alpha-Chlordane	SW8081B	10	0.0036	0.020	0.0179	mg/Kg
4,4'-DDE	SW8081B	10	0.0061	0.020	0.00771	mg/Kg
Dieldrin	SW8081B	10	0.0025	0.020	0.0129	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0132	mg/Kg

S-1@ 18-24"

2209168-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.73	mg/Kg
Barium	SW6010B	1	0.055	5.00	206	mg/Kg
Chromium	SW6010B	1	0.075	5.00	59.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	14.2	mg/Kg
Copper	SW6010B	1	0.20	5.00	34.9	mg/Kg
Lead	SW6010B	1	0.10	3.00	6.95	mg/Kg
Nickel	SW6010B	1	0.50	5.00	59.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	57.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	50.0	mg/Kg
TPH as Diesel	SW8015B	1	1.3	4.0	11.2	mg/Kg
TPH as Motor Oil	SW8015B	1	1.5	10	23.2	mg/Kg
Methylene Chloride	SW8260B	1	0.0071	0.010	0.0712	mg/Kg
Trichloroethene	SW8260B	1	0.0018	0.010	0.0503	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0143	mg/Kg



Sample Result Summary

Report prepared for: Divya Bhargava
 Engeo Inc (SJ)

Date Received: 09/22/22

Date Reported: 09/30/22

S-2@ 0-6"

2209168-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	4.35	mg/Kg
Barium	SW6010B	1	0.055	5.00	151	mg/Kg
Chromium	SW6010B	1	0.075	5.00	34.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	6.65	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.2	mg/Kg
Lead	SW6010B	1	0.10	3.00	10.4	mg/Kg
Nickel	SW6010B	1	0.50	5.00	38.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	38.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	52.0	mg/Kg
TPH as Diesel	SW8015B	1	2.7	8.0	63.7	mg/Kg
TPH as Motor Oil	SW8015B	1	3.0	20	394	mg/Kg
gamma-Chlordane	SW8081B	10	0.015	0.030	0.0153	mg/Kg
alpha-Chlordane	SW8081B	10	0.0036	0.020	0.00760	mg/Kg
4,4'-DDE	SW8081B	10	0.0061	0.020	0.0333	mg/Kg
Dieldrin	SW8081B	10	0.0025	0.020	0.0129	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0363	mg/Kg

S-2 @ 18-24"

2209168-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	1.30	3.60	mg/Kg
Barium	SW6010B	1	0.055	5.00	203	mg/Kg
Chromium	SW6010B	1	0.075	5.00	51.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.2	mg/Kg
Copper	SW6010B	1	0.20	5.00	25.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	4.02	mg/Kg
Nickel	SW6010B	1	0.50	5.00	48.4	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	50.5	mg/Kg
Zinc	SW6010B	1	0.30	5.00	36.7	mg/Kg
TPH as Diesel	SW8015B	1	0.66	2.0	2.11	mg/Kg
TPH as Motor Oil	SW8015B	1	0.76	5.0	21.9	mg/Kg
Methylene Chloride	SW8260B	1	0.0071	0.010	0.0184	mg/Kg
Trichloroethene	SW8260B	1	0.0018	0.010	0.0165	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0161	mg/Kg



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	GW-1	Lab Sample ID:	2209168-001A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Groundwater
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:30		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 9/23/22	11:18:00AM
Prep Batch ID: 1145204	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1.31	0.34	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Chloromethane	SW8260B	1.31	0.22	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Vinyl Chloride	SW8260B	1.31	0.27	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Bromomethane	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Chloroethane	SW8260B	1.31	0.15	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Trichlorofluoromethane	SW8260B	1.31	0.24	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,1-Dichloroethene	SW8260B	1.31	0.19	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Freon 113	SW8260B	1.31	0.45	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Methylene Chloride	SW8260B	1.31	0.17	1.3	ND		ug/L	09/23/22	15:23	JZ	469396
trans-1,2-Dichloroethene	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
MTBE	SW8260B	1.31	0.10	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
tert-Butanol	SW8260B	1.31	3.9	6.6	ND		ug/L	09/23/22	15:23	JZ	469396
DIPE	SW8260B	1.31	0.16	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,1-Dichloroethane	SW8260B	1.31	0.16	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
ETBE	SW8260B	1.31	0.084	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
cis-1,2-Dichloroethene	SW8260B	1.31	0.20	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
2,2-Dichloropropane	SW8260B	1.31	0.12	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Bromochloromethane	SW8260B	1.31	0.20	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Chloroform	SW8260B	1.31	0.16	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Carbon Tetrachloride	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,1,1-Trichloroethane	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,1-Dichloropropene	SW8260B	1.31	0.24	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Benzene	SW8260B	1.31	0.085	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
TAME	SW8260B	1.31	0.094	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,2-Dichloroethane	SW8260B	1.31	0.14	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Trichloroethylene	SW8260B	1.31	0.19	0.66	0.73		ug/L	09/23/22	15:23	JZ	469396
Dibromomethane	SW8260B	1.31	0.14	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,2-Dichloropropane	SW8260B	1.31	0.12	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Bromodichloromethane	SW8260B	1.31	0.100	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
cis-1,3-Dichloropropene	SW8260B	1.31	0.10	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Toluene	SW8260B	1.31	0.19	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Tetrachloroethylene	SW8260B	1.31	0.31	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
trans-1,3-Dichloropropene	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,1,2-Trichloroethane	SW8260B	1.31	0.100	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Dibromochloromethane	SW8260B	1.31	0.24	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,3-Dichloropropane	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,2-Dibromoethane	SW8260B	1.31	0.10	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Chlorobenzene	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Ethylbenzene	SW8260B	1.31	0.26	0.66	ND		ug/L	09/23/22	15:23	JZ	469396



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	GW-1	Lab Sample ID:	2209168-001A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Groundwater
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:30		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 9/23/22	11:18:00AM
Prep Batch ID: 1145204	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1.31	0.11	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
m,p-Xylene	SW8260B	1.31	0.52	1.3	ND		ug/L	09/23/22	15:23	JZ	469396
o-Xylene	SW8260B	1.31	0.20	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Styrene	SW8260B	1.31	0.14	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Bromoform	SW8260B	1.31	0.100	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Isopropyl Benzene	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
n-Propylbenzene	SW8260B	1.31	0.39	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
Bromobenzene	SW8260B	1.31	0.20	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,1,2,2-Tetrachloroethane	SW8260B	1.31	0.10	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
2-Chlorotoluene	SW8260B	1.31	0.33	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,3,5-Trimethylbenzene	SW8260B	1.31	0.32	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,2,3-Trichloropropane	SW8260B	1.31	0.19	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
4-Chlorotoluene	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
tert-Butylbenzene	SW8260B	1.31	0.35	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,2,4-Trimethylbenzene	SW8260B	1.31	0.30	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
sec-Butyl Benzene	SW8260B	1.31	0.39	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
p-Isopropyltoluene	SW8260B	1.31	0.35	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,3-Dichlorobenzene	SW8260B	1.31	0.22	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,4-Dichlorobenzene	SW8260B	1.31	0.23	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
n-Butylbenzene	SW8260B	1.31	0.36	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,2-Dichlorobenzene	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:23	JZ	469396
1,2-Dibromo-3-Chloropropane	SW8260B	1.31	1.00	2.6	ND		ug/L	09/23/22	15:23	JZ	469396
Hexachlorobutadiene	SW8260B	1.31	0.81	2.6	ND		ug/L	09/23/22	15:23	JZ	469396
1,2,4-Trichlorobenzene	SW8260B	1.31	1.2	2.6	ND		ug/L	09/23/22	15:23	JZ	469396
Naphthalene	SW8260B	1.31	1.6	2.6	ND		ug/L	09/23/22	15:23	JZ	469396
1,2,3-Trichlorobenzene	SW8260B	1.31	1.6	2.6	ND		ug/L	09/23/22	15:23	JZ	469396
(S) Dibromofluoromethane	SW8260B		61.2 - 131		83.2		%	09/23/22	15:23	JZ	469396
(S) Toluene-d8	SW8260B		75.1 - 127		117		%	09/23/22	15:23	JZ	469396
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		118		%	09/23/22	15:23	JZ	469396

NOTE: Reporting limits were raised due to sediment in all VOAs.



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	GW-2	Lab Sample ID:	2209168-002A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Groundwater
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:20		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 9/23/22	11:18:00AM
Prep Batch ID: 1145204	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1.31	0.34	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Chloromethane	SW8260B	1.31	0.22	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Vinyl Chloride	SW8260B	1.31	0.27	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Bromomethane	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Chloroethane	SW8260B	1.31	0.15	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Trichlorofluoromethane	SW8260B	1.31	0.24	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,1-Dichloroethene	SW8260B	1.31	0.19	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Freon 113	SW8260B	1.31	0.45	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Methylene Chloride	SW8260B	1.31	0.17	1.3	ND		ug/L	09/23/22	15:53	JZ	469396
trans-1,2-Dichloroethene	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
MTBE	SW8260B	1.31	0.10	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
tert-Butanol	SW8260B	1.31	3.9	6.6	ND		ug/L	09/23/22	15:53	JZ	469396
DIPE	SW8260B	1.31	0.16	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,1-Dichloroethane	SW8260B	1.31	0.16	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
ETBE	SW8260B	1.31	0.084	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
cis-1,2-Dichloroethene	SW8260B	1.31	0.20	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
2,2-Dichloropropane	SW8260B	1.31	0.12	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Bromochloromethane	SW8260B	1.31	0.20	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Chloroform	SW8260B	1.31	0.16	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Carbon Tetrachloride	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,1,1-Trichloroethane	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,1-Dichloropropene	SW8260B	1.31	0.24	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Benzene	SW8260B	1.31	0.085	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
TAME	SW8260B	1.31	0.094	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,2-Dichloroethane	SW8260B	1.31	0.14	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Trichloroethylene	SW8260B	1.31	0.19	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Dibromomethane	SW8260B	1.31	0.14	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,2-Dichloropropane	SW8260B	1.31	0.12	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Bromodichloromethane	SW8260B	1.31	0.100	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
cis-1,3-Dichloropropene	SW8260B	1.31	0.10	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Toluene	SW8260B	1.31	0.19	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Tetrachloroethylene	SW8260B	1.31	0.31	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
trans-1,3-Dichloropropene	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,1,2-Trichloroethane	SW8260B	1.31	0.100	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Dibromochloromethane	SW8260B	1.31	0.24	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,3-Dichloropropane	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,2-Dibromoethane	SW8260B	1.31	0.10	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Chlorobenzene	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Ethylbenzene	SW8260B	1.31	0.26	0.66	ND		ug/L	09/23/22	15:53	JZ	469396



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	GW-2	Lab Sample ID:	2209168-002A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Groundwater
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:20		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 9/23/22	11:18:00AM
Prep Batch ID: 1145204	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1.31	0.11	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
m,p-Xylene	SW8260B	1.31	0.52	1.3	ND		ug/L	09/23/22	15:53	JZ	469396
o-Xylene	SW8260B	1.31	0.20	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Styrene	SW8260B	1.31	0.14	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Bromoform	SW8260B	1.31	0.100	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Isopropyl Benzene	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
n-Propylbenzene	SW8260B	1.31	0.39	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
Bromobenzene	SW8260B	1.31	0.20	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,1,2,2-Tetrachloroethane	SW8260B	1.31	0.10	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
2-Chlorotoluene	SW8260B	1.31	0.33	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,3,5-Trimethylbenzene	SW8260B	1.31	0.32	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,2,3-Trichloropropane	SW8260B	1.31	0.19	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
4-Chlorotoluene	SW8260B	1.31	0.28	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
tert-Butylbenzene	SW8260B	1.31	0.35	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,2,4-Trimethylbenzene	SW8260B	1.31	0.30	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
sec-Butyl Benzene	SW8260B	1.31	0.39	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
p-Isopropyltoluene	SW8260B	1.31	0.35	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,3-Dichlorobenzene	SW8260B	1.31	0.22	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,4-Dichlorobenzene	SW8260B	1.31	0.23	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
n-Butylbenzene	SW8260B	1.31	0.36	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,2-Dichlorobenzene	SW8260B	1.31	0.21	0.66	ND		ug/L	09/23/22	15:53	JZ	469396
1,2-Dibromo-3-Chloropropane	SW8260B	1.31	1.00	2.6	ND		ug/L	09/23/22	15:53	JZ	469396
Hexachlorobutadiene	SW8260B	1.31	0.81	2.6	ND		ug/L	09/23/22	15:53	JZ	469396
1,2,4-Trichlorobenzene	SW8260B	1.31	1.2	2.6	ND		ug/L	09/23/22	15:53	JZ	469396
Naphthalene	SW8260B	1.31	1.6	2.6	ND		ug/L	09/23/22	15:53	JZ	469396
1,2,3-Trichlorobenzene	SW8260B	1.31	1.6	2.6	ND		ug/L	09/23/22	15:53	JZ	469396
(S) Dibromofluoromethane	SW8260B		61.2 - 131		97.4		%	09/23/22	15:53	JZ	469396
(S) Toluene-d8	SW8260B		75.1 - 127		107		%	09/23/22	15:53	JZ	469396
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		107		%	09/23/22	15:53	JZ	469396

NOTE: Reporting limits were raised due to sediment in all VOAs.



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 0-6"	Lab Sample ID:	2209168-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:04		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 9/23/22	3:30:00PM
Prep Batch ID: 1145199	Prep Analyst: NMISTR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/26/22	11:52	BJAY	469420



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 0-6"	Lab Sample ID:	2209168-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:04		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 9/23/22	4:10:00PM
Prep Batch ID: 1145196	Prep Analyst:	NMISTR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/26/22	12:49	AT	469424
Arsenic	SW6010B	1	0.15	1.30	3.40		mg/Kg	09/26/22	12:49	AT	469424
Barium	SW6010B	1	0.055	5.00	204		mg/Kg	09/26/22	12:49	AT	469424
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/26/22	12:49	AT	469424
Cadmium	SW6010B	1	0.10	0.750	ND		mg/Kg	09/26/22	12:49	AT	469424
Chromium	SW6010B	1	0.075	5.00	40.9		mg/Kg	09/26/22	12:49	AT	469424
Cobalt	SW6010B	1	0.070	5.00	7.25		mg/Kg	09/26/22	12:49	AT	469424
Copper	SW6010B	1	0.20	5.00	31.7		mg/Kg	09/26/22	12:49	AT	469424
Lead	SW6010B	1	0.10	3.00	8.80		mg/Kg	09/26/22	12:49	AT	469424
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/26/22	12:49	AT	469424
Nickel	SW6010B	1	0.50	5.00	37.8		mg/Kg	09/26/22	12:49	AT	469424
Selenium	SW6010B	1	0.35	1.10	ND		mg/Kg	09/26/22	12:49	AT	469424
Silver	SW6010B	1	0.15	0.500	ND		mg/Kg	09/26/22	12:49	AT	469424
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	09/26/22	12:49	AT	469424
Vanadium	SW6010B	1	0.10	5.00	46.6		mg/Kg	09/26/22	12:49	AT	469424
Zinc	SW6010B	1	0.30	5.00	45.2		mg/Kg	09/26/22	12:49	AT	469424



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 0-6"	Lab Sample ID:	2209168-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:04		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 9/27/22	9:59:00AM
Prep Batch ID: 1145258	Prep Analyst:	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
-------------	-----------------	----	-----	-----	---------	---	-------	----------	------	----	------------------

The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	0.0025	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
gamma-BHC (Lindane)	SW8081B	10	0.0071	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
beta-BHC	SW8081B	10	0.0044	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
delta-BHC	SW8081B	10	0.0065	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Heptachlor	SW8081B	10	0.0027	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Aldrin	SW8081B	10	0.0029	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Heptachlor Epoxide	SW8081B	10	0.0031	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
gamma-Chlordane	SW8081B	10	0.015	0.030	0.0305		mg/Kg	09/28/22	4:17	LA	469468
alpha-Chlordane	SW8081B	10	0.0036	0.020	0.0179	J	mg/Kg	09/28/22	4:17	LA	469468
4,4'-DDE	SW8081B	10	0.0061	0.020	0.00771	J	mg/Kg	09/28/22	4:17	LA	469468
Endosulfan I	SW8081B	10	0.0029	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Dieldrin	SW8081B	10	0.0025	0.020	0.0129	J	mg/Kg	09/28/22	4:17	LA	469468
Endrin	SW8081B	10	0.0079	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
4,4'-DDD	SW8081B	10	0.0064	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Endosulfan II	SW8081B	10	0.0034	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
4,4'-DDT	SW8081B	10	0.0074	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Endrin Aldehyde	SW8081B	10	0.0051	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Methoxychlor	SW8081B	10	0.026	0.060	ND		mg/Kg	09/28/22	4:17	LA	469468
Endosulfan Sulfate	SW8081B	10	0.0051	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Endrin Ketone	SW8081B	10	0.0043	0.020	ND		mg/Kg	09/28/22	4:17	LA	469468
Chlordane, Technical	SW8081B	10	0.13	0.20	ND		mg/Kg	09/28/22	4:17	LA	469468
Toxaphene	SW8081B	10	0.22	0.50	ND		mg/Kg	09/28/22	4:17	LA	469468
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B		48 - 125		101		%	09/28/22	4:17	LA	469468
Decachlorobiphenyl (S)	SW8081B		38 - 135		96.7		%	09/28/22	4:17	LA	469468

NOTE: Sample diluted due to the nature of the sample matrix (dark colored extract)



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 0-6"	Lab Sample ID:	2209168-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:04		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 9/24/22	3:11:00PM
Prep Batch ID: 1145208	Prep Analyst:	NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	2.7	8.0	20.2	x	mg/Kg	09/26/22	15:03	SN	469502
TPH as Motor Oil	SW8015B	1	3.0	20	273		mg/Kg	09/26/22	15:03	SN	469502
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		77.0		%	09/26/22	15:03	SN	469502

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 0-6"	Lab Sample ID:	2209168-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:04		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 9/23/22 9:43:00AM
Prep Batch ID: 1145187	Prep Analyst: HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/23/22	16:38	HV	469382
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Trichloroethene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Toluene	SW8260B	1	0.0018	0.010	0.0132		mg/Kg	09/23/22	16:38	HV	469382
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 0-6"	Lab Sample ID:	2209168-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:04		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 9/23/22	9:43:00AM
Prep Batch ID: 1145187	Prep Analyst:	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:38	HV	469382
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	09/23/22	16:38	HV	469382
(S) Dibromofluoromethane	SW8260B		59.8 - 148		84.4		%	09/23/22	16:38	HV	469382
(S) Toluene-d8	SW8260B		55.2 - 133		102		%	09/23/22	16:38	HV	469382
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		86.6		%	09/23/22	16:38	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 0-6"	Lab Sample ID:	2209168-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:04		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 9/23/22	9:43:00AM
Prep Batch ID: 1145190	Prep Analyst:	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	09/23/22	16:38	HV	469382
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		78.0		%	09/23/22	16:38	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 18-24"	Lab Sample ID:	2209168-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:06		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 9/23/22	3:30:00PM
Prep Batch ID: 1145199	Prep Analyst:	NMISTR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/26/22	11:58	BJAY	469420



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 18-24"	Lab Sample ID:	2209168-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:06		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 9/23/22	4:10:00PM
Prep Batch ID: 1145196	Prep Analyst:	NMISTR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/26/22	12:54	AT	469424
Arsenic	SW6010B	1	0.15	1.30	3.73		mg/Kg	09/26/22	12:54	AT	469424
Barium	SW6010B	1	0.055	5.00	206		mg/Kg	09/26/22	12:54	AT	469424
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/26/22	12:54	AT	469424
Cadmium	SW6010B	1	0.10	0.750	ND		mg/Kg	09/26/22	12:54	AT	469424
Chromium	SW6010B	1	0.075	5.00	59.0		mg/Kg	09/26/22	12:54	AT	469424
Cobalt	SW6010B	1	0.070	5.00	14.2		mg/Kg	09/26/22	12:54	AT	469424
Copper	SW6010B	1	0.20	5.00	34.9		mg/Kg	09/26/22	12:54	AT	469424
Lead	SW6010B	1	0.10	3.00	6.95		mg/Kg	09/26/22	12:54	AT	469424
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/26/22	12:54	AT	469424
Nickel	SW6010B	1	0.50	5.00	59.5		mg/Kg	09/26/22	12:54	AT	469424
Selenium	SW6010B	1	0.35	1.10	ND		mg/Kg	09/26/22	12:54	AT	469424
Silver	SW6010B	1	0.15	0.500	ND		mg/Kg	09/26/22	12:54	AT	469424
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	09/26/22	12:54	AT	469424
Vanadium	SW6010B	1	0.10	5.00	57.5		mg/Kg	09/26/22	12:54	AT	469424
Zinc	SW6010B	1	0.30	5.00	50.0		mg/Kg	09/26/22	12:54	AT	469424



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 18-24"	Lab Sample ID:	2209168-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:06		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 9/27/22	9:59:00AM
Prep Batch ID: 1145258	Prep Analyst:	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
-------------	-----------------	----	-----	-----	---------	---	-------	----------	------	----	------------------

The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	0.0025	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
gamma-BHC (Lindane)	SW8081B	10	0.0071	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
beta-BHC	SW8081B	10	0.0044	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
delta-BHC	SW8081B	10	0.0065	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Heptachlor	SW8081B	10	0.0027	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Aldrin	SW8081B	10	0.0029	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Heptachlor Epoxide	SW8081B	10	0.0031	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
gamma-Chlordane	SW8081B	10	0.015	0.030	ND		mg/Kg	09/28/22	4:31	LA	469468
alpha-Chlordane	SW8081B	10	0.0036	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
4,4'-DDE	SW8081B	10	0.0061	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Endosulfan I	SW8081B	10	0.0029	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Dieldrin	SW8081B	10	0.0025	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Endrin	SW8081B	10	0.0079	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
4,4'-DDD	SW8081B	10	0.0064	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Endosulfan II	SW8081B	10	0.0034	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
4,4'-DDT	SW8081B	10	0.0074	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Endrin Aldehyde	SW8081B	10	0.0051	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Methoxychlor	SW8081B	10	0.026	0.060	ND		mg/Kg	09/28/22	4:31	LA	469468
Endosulfan Sulfate	SW8081B	10	0.0051	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Endrin Ketone	SW8081B	10	0.0043	0.020	ND		mg/Kg	09/28/22	4:31	LA	469468
Chlordane, Technical	SW8081B	10	0.13	0.20	ND		mg/Kg	09/28/22	4:31	LA	469468
Toxaphene	SW8081B	10	0.22	0.50	ND		mg/Kg	09/28/22	4:31	LA	469468
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B		48 - 125		95.2		%	09/28/22	4:31	LA	469468
Decachlorobiphenyl (S)	SW8081B		38 - 135		98.4		%	09/28/22	4:31	LA	469468

NOTE: Sample diluted due to the nature of the sample matrix (dark colored extract)



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 18-24"	Lab Sample ID:	2209168-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:06		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 9/24/22	3:11:00PM
Prep Batch ID: 1145208	Prep Analyst:	NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	1.3	4.0	11.2	x	mg/Kg	09/26/22	16:38	SN	469502
TPH as Motor Oil	SW8015B	1	1.5	10	23.2		mg/Kg	09/26/22	16:38	SN	469502
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		63.5		%	09/26/22	16:38	SN	469502

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 18-24"	Lab Sample ID:	2209168-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:06		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 9/23/22 9:43:00AM
Prep Batch ID: 1145187	Prep Analyst: HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Methylene Chloride	SW8260B	1	0.0071	0.010	0.0712		mg/Kg	09/23/22	15:09	HV	469382
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/23/22	15:09	HV	469382
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Trichloroethene	SW8260B	1	0.0018	0.010	0.0503		mg/Kg	09/23/22	15:09	HV	469382
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Toluene	SW8260B	1	0.0018	0.010	0.0143		mg/Kg	09/23/22	15:09	HV	469382
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 18-24"	Lab Sample ID:	2209168-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:06		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 9/23/22 9:43:00AM
Prep Batch ID: 1145187	Prep Analyst: HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:09	HV	469382
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	09/23/22	15:09	HV	469382
(S) Dibromofluoromethane	SW8260B		59.8 - 148		87.7		%	09/23/22	15:09	HV	469382
(S) Toluene-d8	SW8260B		55.2 - 133		101		%	09/23/22	15:09	HV	469382
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		93.0		%	09/23/22	15:09	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-1@ 18-24"	Lab Sample ID:	2209168-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:06		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 9/23/22	9:43:00AM
Prep Batch ID: 1145190	Prep Analyst:	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	09/23/22	15:09	HV	469382
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		79.8		%	09/23/22	15:09	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
 Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2@ 0-6"	Lab Sample ID:	2209168-005A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:00		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 9/23/22	3:30:00PM
Prep Batch ID: 1145199	Prep Analyst:	NMISTR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/26/22	12:00	BJAY	469420



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2@ 0-6"	Lab Sample ID:	2209168-005A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 9/23/22 4:10:00PM
Prep Batch ID: 1145196	Prep Analyst: NMISTR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/26/22	12:56	AT	469424
Arsenic	SW6010B	1	0.15	1.30	4.35		mg/Kg	09/26/22	12:56	AT	469424
Barium	SW6010B	1	0.055	5.00	151		mg/Kg	09/26/22	12:56	AT	469424
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/26/22	12:56	AT	469424
Cadmium	SW6010B	1	0.10	0.750	ND		mg/Kg	09/26/22	12:56	AT	469424
Chromium	SW6010B	1	0.075	5.00	34.8		mg/Kg	09/26/22	12:56	AT	469424
Cobalt	SW6010B	1	0.070	5.00	6.65		mg/Kg	09/26/22	12:56	AT	469424
Copper	SW6010B	1	0.20	5.00	28.2		mg/Kg	09/26/22	12:56	AT	469424
Lead	SW6010B	1	0.10	3.00	10.4		mg/Kg	09/26/22	12:56	AT	469424
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/26/22	12:56	AT	469424
Nickel	SW6010B	1	0.50	5.00	38.5		mg/Kg	09/26/22	12:56	AT	469424
Selenium	SW6010B	1	0.35	1.10	ND		mg/Kg	09/26/22	12:56	AT	469424
Silver	SW6010B	1	0.15	0.500	ND		mg/Kg	09/26/22	12:56	AT	469424
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	09/26/22	12:56	AT	469424
Vanadium	SW6010B	1	0.10	5.00	38.3		mg/Kg	09/26/22	12:56	AT	469424
Zinc	SW6010B	1	0.30	5.00	52.0		mg/Kg	09/26/22	12:56	AT	469424



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2@ 0-6"	Lab Sample ID:	2209168-005A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:00		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 9/27/22	9:59:00AM
Prep Batch ID: 1145258	Prep Analyst:	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
-------------	-----------------	----	-----	-----	---------	---	-------	----------	------	----	------------------

The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	0.0025	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
gamma-BHC (Lindane)	SW8081B	10	0.0071	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
beta-BHC	SW8081B	10	0.0044	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
delta-BHC	SW8081B	10	0.0065	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Heptachlor	SW8081B	10	0.0027	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Aldrin	SW8081B	10	0.0029	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Heptachlor Epoxide	SW8081B	10	0.0031	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
gamma-Chlordane	SW8081B	10	0.015	0.030	0.0153	J	mg/Kg	09/28/22	4:44	LA	469468
alpha-Chlordane	SW8081B	10	0.0036	0.020	0.00760	J	mg/Kg	09/28/22	4:44	LA	469468
4,4'-DDE	SW8081B	10	0.0061	0.020	0.0333		mg/Kg	09/28/22	4:44	LA	469468
Endosulfan I	SW8081B	10	0.0029	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Dieldrin	SW8081B	10	0.0025	0.020	0.0129	J	mg/Kg	09/28/22	4:44	LA	469468
Endrin	SW8081B	10	0.0079	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
4,4'-DDD	SW8081B	10	0.0064	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Endosulfan II	SW8081B	10	0.0034	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
4,4'-DDT	SW8081B	10	0.0074	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Endrin Aldehyde	SW8081B	10	0.0051	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Methoxychlor	SW8081B	10	0.026	0.060	ND		mg/Kg	09/28/22	4:44	LA	469468
Endosulfan Sulfate	SW8081B	10	0.0051	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Endrin Ketone	SW8081B	10	0.0043	0.020	ND		mg/Kg	09/28/22	4:44	LA	469468
Chlordane, Technical	SW8081B	10	0.13	0.20	ND		mg/Kg	09/28/22	4:44	LA	469468
Toxaphene	SW8081B	10	0.22	0.50	ND		mg/Kg	09/28/22	4:44	LA	469468
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B		48 - 125		85.7		%	09/28/22	4:44	LA	469468
Decachlorobiphenyl (S)	SW8081B		38 - 135		78.0		%	09/28/22	4:44	LA	469468

NOTE: Sample diluted due to the nature of the sample matrix (dark colored extract)



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2@ 0-6"	Lab Sample ID:	2209168-005A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:00		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 9/24/22	3:11:00PM
Prep Batch ID: 1145208	Prep Analyst: NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	2.7	8.0	63.7	x	mg/Kg	09/26/22	15:28	SN	469502
TPH as Motor Oil	SW8015B	1	3.0	20	394		mg/Kg	09/26/22	15:28	SN	469502
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		88.9		%	09/26/22	15:28	SN	469502

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2@ 0-6"	Lab Sample ID:	2209168-005A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:00		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 9/23/22	9:43:00AM
Prep Batch ID: 1145187	Prep Analyst:	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Methylene Chloride	SW8260B	1	0.0071	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/23/22	15:38	HV	469382
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Trichloroethene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Toluene	SW8260B	1	0.0018	0.010	0.0363		mg/Kg	09/23/22	15:38	HV	469382
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2@ 0-6"	Lab Sample ID:	2209168-005A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:00		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 9/23/22 9:43:00AM
Prep Batch ID: 1145187	Prep Analyst: HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	15:38	HV	469382
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	09/23/22	15:38	HV	469382
(S) Dibromofluoromethane	SW8260B		59.8 - 148		85.7		%	09/23/22	15:38	HV	469382
(S) Toluene-d8	SW8260B		55.2 - 133		104		%	09/23/22	15:38	HV	469382
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		87.6		%	09/23/22	15:38	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2@ 0-6"	Lab Sample ID:	2209168-005A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:00		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 9/23/22	9:43:00AM
Prep Batch ID: 1145190	Prep Analyst: HVYAS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	09/23/22	15:38	HV	469382
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		61.8		%	09/23/22	15:38	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2 @ 18-24"	Lab Sample ID:	2209168-006A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:02		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 9/23/22	3:30:00PM
Prep Batch ID: 1145199	Prep Analyst:	NMISTR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	09/26/22	12:03	BJAY	469420



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2 @ 18-24"	Lab Sample ID:	2209168-006A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:02		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 9/23/22	4:10:00PM
Prep Batch ID: 1145196	Prep Analyst: NMISTR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	09/26/22	12:58	AT	469424
Arsenic	SW6010B	1	0.15	1.30	3.60		mg/Kg	09/26/22	12:58	AT	469424
Barium	SW6010B	1	0.055	5.00	203		mg/Kg	09/26/22	12:58	AT	469424
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	09/26/22	12:58	AT	469424
Cadmium	SW6010B	1	0.10	0.750	ND		mg/Kg	09/26/22	12:58	AT	469424
Chromium	SW6010B	1	0.075	5.00	51.0		mg/Kg	09/26/22	12:58	AT	469424
Cobalt	SW6010B	1	0.070	5.00	10.2		mg/Kg	09/26/22	12:58	AT	469424
Copper	SW6010B	1	0.20	5.00	25.0		mg/Kg	09/26/22	12:58	AT	469424
Lead	SW6010B	1	0.10	3.00	4.02		mg/Kg	09/26/22	12:58	AT	469424
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	09/26/22	12:58	AT	469424
Nickel	SW6010B	1	0.50	5.00	48.4		mg/Kg	09/26/22	12:58	AT	469424
Selenium	SW6010B	1	0.35	1.10	ND		mg/Kg	09/26/22	12:58	AT	469424
Silver	SW6010B	1	0.15	0.500	ND		mg/Kg	09/26/22	12:58	AT	469424
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	09/26/22	12:58	AT	469424
Vanadium	SW6010B	1	0.10	5.00	50.5		mg/Kg	09/26/22	12:58	AT	469424
Zinc	SW6010B	1	0.30	5.00	36.7		mg/Kg	09/26/22	12:58	AT	469424



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2 @ 18-24"	Lab Sample ID:	2209168-006A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:02		
SDG:			

Prep Method: 3546_OCP	Prep Batch Date/Time: 9/27/22	9:59:00AM
Prep Batch ID: 1145258	Prep Analyst:	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
-------------	-----------------	----	-----	-----	---------	---	-------	----------	------	----	------------------

The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	0.0025	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
gamma-BHC (Lindane)	SW8081B	10	0.0071	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
beta-BHC	SW8081B	10	0.0044	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
delta-BHC	SW8081B	10	0.0065	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Heptachlor	SW8081B	10	0.0027	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Aldrin	SW8081B	10	0.0029	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Heptachlor Epoxide	SW8081B	10	0.0031	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
gamma-Chlordane	SW8081B	10	0.015	0.030	ND		mg/Kg	09/28/22	4:57	LA	469468
alpha-Chlordane	SW8081B	10	0.0036	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
4,4'-DDE	SW8081B	10	0.0061	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Endosulfan I	SW8081B	10	0.0029	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Dieldrin	SW8081B	10	0.0025	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Endrin	SW8081B	10	0.0079	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
4,4'-DDD	SW8081B	10	0.0064	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Endosulfan II	SW8081B	10	0.0034	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
4,4'-DDT	SW8081B	10	0.0074	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Endrin Aldehyde	SW8081B	10	0.0051	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Methoxychlor	SW8081B	10	0.026	0.060	ND		mg/Kg	09/28/22	4:57	LA	469468
Endosulfan Sulfate	SW8081B	10	0.0051	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Endrin Ketone	SW8081B	10	0.0043	0.020	ND		mg/Kg	09/28/22	4:57	LA	469468
Chlordane, Technical	SW8081B	10	0.13	0.20	ND		mg/Kg	09/28/22	4:57	LA	469468
Toxaphene	SW8081B	10	0.22	0.50	ND		mg/Kg	09/28/22	4:57	LA	469468

Acceptance Limits

Tetrachloro-M-Xylene (S)	SW8081B		48 - 125		103		%	09/28/22	4:57	LA	469468
Decachlorobiphenyl (S)	SW8081B		38 - 135		101		%	09/28/22	4:57	LA	469468

NOTE: Sample diluted due to the nature of the sample matrix (dark colored extract)



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2 @ 18-24"	Lab Sample ID:	2209168-006A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:02		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 9/24/22	3:11:00PM
Prep Batch ID: 1145208	Prep Analyst:	NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.66	2.0	2.11	x	mg/Kg	09/26/22	15:54	SN	469502
TPH as Motor Oil	SW8015B	1	0.76	5.0	21.9		mg/Kg	09/26/22	15:54	SN	469502
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		79.8		%	09/26/22	15:54	SN	469502

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2 @ 18-24"	Lab Sample ID:	2209168-006A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:02		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 9/23/22 9:43:00AM
Prep Batch ID: 1145187	Prep Analyst: HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Methylene Chloride	SW8260B	1	0.0071	0.010	0.0184		mg/Kg	09/23/22	16:08	HV	469382
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	09/23/22	16:08	HV	469382
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Trichloroethene	SW8260B	1	0.0018	0.010	0.0165		mg/Kg	09/23/22	16:08	HV	469382
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Toluene	SW8260B	1	0.0018	0.010	0.0161		mg/Kg	09/23/22	16:08	HV	469382
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2 @ 18-24"	Lab Sample ID:	2209168-006A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:02		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 9/23/22	9:43:00AM
Prep Batch ID: 1145187	Prep Analyst:	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	09/23/22	16:08	HV	469382
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	09/23/22	16:08	HV	469382
(S) Dibromofluoromethane	SW8260B		59.8 - 148		83.6		%	09/23/22	16:08	HV	469382
(S) Toluene-d8	SW8260B		55.2 - 133		103		%	09/23/22	16:08	HV	469382
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		89.1		%	09/23/22	16:08	HV	469382



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	S-2 @ 18-24"	Lab Sample ID:	2209168-006A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Soil
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 10:02		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 9/23/22	9:43:00AM
Prep Batch ID: 1145190	Prep Analyst:	HVYAS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	09/23/22	16:08	HV	469382
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		71.1		%	09/23/22	16:08	HV	469382



MB Summary Report

Work Order:	2209168	Prep Method:	5035	Prep Date:	09/23/22	Prep Batch:	1145187
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	9/23/2022	Analytical Batch:	469382
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	10	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
TBA	12	50	ND	
Diisopropyl ether	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
Ethyl tert-Butyl ether	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	3.3	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	2.8	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethylbenzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	2.8	
Isopropyl Benzene	1.6	10	ND	



MB Summary Report

Work Order:	2209168	Prep Method:	5035	Prep Date:	09/23/22	Prep Batch:	1145187
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	9/23/2022	Analytical Batch:	469382
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
n-Propylbenzene	1.6	10	ND		
Bromobenzene	1.8	10	ND		
1,1,2,2-Tetrachloroethane	1.9	10	2.2		
2-Chlorotoluene	1.8	10	ND		
1,3,5-Trimethylbenzene	1.6	10	ND		
1,2,3-Trichloropropane	1.9	10	ND		
4-Chlorotoluene	1.6	10	ND		
tert-Butylbenzene	1.6	10	ND		
1,2,4-Trimethylbenzene	1.4	10	ND		
sec-Butyl Benzene	1.6	10	ND		
p-Isopropyltoluene	1.5	10	ND		
1,3-Dichlorobenzene	1.7	10	ND		
1,4-Dichlorobenzene	1.7	10	ND		
n-Butylbenzene	1.5	10	ND		
1,2-Dichlorobenzene	1.8	10	ND		
1,2-Dibromo-3-Chloropropane	1.8	10	ND		
Hexachlorobutadiene	1.4	10	ND		
1,2,4-Trichlorobenzene	1.5	10	ND		
Naphthalene	1.7	10	ND		
1,2,3-Trichlorobenzene	1.7	10	ND		
2-Butanone	2.3	10	3.5		
(S) Dibromofluoromethane			101		
(S) Toluene-d8			97.9		
(S) 4-Bromofluorobenzene			94.2		

Work Order:	2209168	Prep Method:	5035GRO	Prep Date:	09/23/22	Prep Batch:	1145190
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	9/23/2022	Analytical Batch:	469382
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Gasoline	43	100	ND		
(S) 4-Bromofluorobenzene			118		



MB Summary Report

Work Order:	2209168	Prep Method:	3050B	Prep Date:	09/23/22	Prep Batch:	1145196
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	9/26/2022	Analytical Batch:	469424
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	0.13	
Arsenic	0.15	1.30	0.50	
Barium	0.055	5.00	0.14	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	0.750	ND	
Chromium	0.075	5.00	1.2	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	3.00	0.11	
Molybdenum	0.050	5.00	0.57	
Nickel	0.50	5.00	ND	
Selenium	0.35	1.10	ND	
Silver	0.15	0.500	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	ND	

Work Order:	2209168	Prep Method:	7471BP	Prep Date:	09/23/22	Prep Batch:	1145199
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	9/26/2022	Analytical Batch:	469420
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	



MB Summary Report

Work Order:	2209168	Prep Method:	5030VOC	Prep Date:	09/23/22	Prep Batch:	1145204
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	9/23/2022	Analytical Batch:	469396
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	1.0	ND	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	2.9	5.0	ND	
DIPE	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	
Chloroform	0.12	0.50	ND	
Carbon Tetrachloride	0.16	0.50	ND	
1,1,1-Trichloroethane	0.16	0.50	ND	
1,1-Dichloropropene	0.19	0.50	ND	
Benzene	0.065	0.50	ND	
TAME	0.072	0.50	ND	
1,2-Dichloroethane	0.11	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
Dibromomethane	0.11	0.50	ND	
1,2-Dichloropropane	0.089	0.50	ND	
Bromodichloromethane	0.076	0.50	ND	
cis-1,3-Dichloropropene	0.078	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.24	0.50	ND	
trans-1,3-Dichloropropene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.076	0.50	ND	
Dibromochloromethane	0.18	0.50	ND	
1,3-Dichloropropane	0.22	0.50	ND	
1,2-Dibromoethane	0.079	0.50	ND	
Chlorobenzene	0.16	0.50	ND	
Ethylbenzene	0.20	0.50	ND	
1,1,1,2-Tetrachloroethane	0.087	0.50	ND	
m,p-Xylene	0.39	1.0	ND	
o-Xylene	0.15	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	ND	
Isopropyl Benzene	0.22	0.50	ND	



MB Summary Report

Work Order:	2209168	Prep Method:	5030VOC	Prep Date:	09/23/22	Prep Batch:	1145204
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	9/23/2022	Analytical Batch:	469396
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
n-Propylbenzene	0.30	0.50	ND		
Bromobenzene	0.15	0.50	ND		
1,1,2,2-Tetrachloroethane	0.079	0.50	ND		
2-Chlorotoluene	0.25	0.50	ND		
1,3,5-Trimethylbenzene	0.24	0.50	ND		
1,2,3-Trichloropropane	0.15	0.50	ND		
4-Chlorotoluene	0.22	0.50	ND		
tert-Butylbenzene	0.26	0.50	ND		
1,2,4-Trimethylbenzene	0.23	0.50	ND		
sec-Butyl Benzene	0.30	0.50	ND		
p-Isopropyltoluene	0.27	0.50	ND		
1,3-Dichlorobenzene	0.17	0.50	ND		
1,4-Dichlorobenzene	0.18	0.50	ND		
n-Butylbenzene	0.27	0.50	ND		
1,2-Dichlorobenzene	0.16	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND		
Hexachlorobutadiene	0.62	2.0	ND		
1,2,4-Trichlorobenzene	0.93	2.0	ND		
Naphthalene	1.2	2.0	ND		
1,2,3-Trichlorobenzene	1.2	2.0	ND		
(S) Dibromofluoromethane			103		
(S) Toluene-d8			110		
(S) 4-Bromofluorobenzene			112		

Work Order:	2209168	Prep Method:	3546_TPH	Prep Date:	09/24/22	Prep Batch:	1145208
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	9/24/2022	Analytical Batch:	469502
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Diesel	0.85	2.0	ND	x	
TPH as Motor Oil	3.2	10	ND		
Pentacosane (S)			155	S	



MB Summary Report

Work Order:	2209168	Prep Method:	3546_OCP	Prep Date:	09/27/22	Prep Batch:	1145258
Matrix:	Soil	Analytical Method:	SW8081B	Analyzed Date:	9/27/2022	Analytical Batch:	469468
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.25	2.0	ND	
gamma-BHC (Lindane)	0.71	2.0	ND	
beta-BHC	0.44	2.0	ND	
delta-BHC	0.65	2.0	ND	
Heptachlor	0.27	2.0	ND	
Aldrin	0.29	2.0	ND	
Heptachlor Epoxide	0.31	2.0	ND	
gamma-Chlordane	1.5	3.0	ND	
alpha-Chlordane	0.36	2.0	ND	
4,4'-DDE	0.61	2.0	ND	
Endosulfan I	0.29	2.0	ND	
Dieldrin	0.25	2.0	ND	
Endrin	0.79	2.0	ND	
4,4'-DDD	0.64	2.0	ND	
Endosulfan II	0.34	2.0	ND	
4,4'-DDT	0.74	2.0	ND	
Endrin Aldehyde	0.51	2.0	ND	
Methoxychlor	2.6	6.0	ND	
Endosulfan Sulfate	0.51	2.0	ND	
Endrin Ketone	0.43	2.0	ND	
Chlordane, Technical	13	20	ND	
Toxaphene	22	50	ND	
Tetrachloro-M-Xylene (S)			96.9	
Decachlorobiphenyl (S)			106	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2209168	Prep Method:	5035	Prep Date:	09/23/22	Prep Batch:	1145187
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	9/23/2022	Analytical Batch:	469382
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	96.1	82.0	15.9	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	109	96.6	11.9	66.5 - 135	30	
Trichloroethene	1.8	10	ND	50.0	101	89.5	12.4	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	105	93.4	11.3	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	101	93.8	7.19	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	101	106		59.8 - 148		
(S) Toluene-d8				50.0	106	92.7		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	100	90.0		55.8 - 141		

Work Order:	2209168	Prep Method:	5035GRO	Prep Date:	09/23/22	Prep Batch:	1145190
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	9/23/2022	Analytical Batch:	469382
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	ND	1000	98.8	96.9	1.94	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	107	111		43.9 - 127		

Work Order:	2209168	Prep Method:	3050B	Prep Date:	09/23/22	Prep Batch:	1145196
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	9/26/2022	Analytical Batch:	469424
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	0.13	50	97.7	96.3	1.44	80 - 120	30	
Arsenic	0.15	1.30	0.50	50	96.9	96.0	1.04	80 - 120	30	
Barium	0.055	5.00	0.14	50	101	99.8	1.20	80 - 120	30	
Beryllium	0.055	5.00	ND	50	99.9	98.9	1.01	80 - 120	30	
Cadmium	0.10	0.750	ND	50	98.9	97.6	1.42	80 - 120	30	
Chromium	0.075	5.00	1.2	50	102	99.0	2.99	80 - 120	30	
Cobalt	0.070	5.00	ND	50	99.9	98.8	1.21	80 - 120	30	
Copper	0.20	5.00	ND	50	102	100	1.98	80 - 120	30	
Lead	0.10	3.00	0.11	50	99.5	98.4	1.21	80 - 120	30	
Molybdenum	0.050	5.00	0.57	50	101	99.9	0.995	80 - 120	30	
Nickel	0.50	5.00	ND	50	99.5	98.3	1.21	80 - 120	30	
Selenium	0.22	5.00	ND	50	91.2	90.4	0.881	80 - 120	30	
Silver	0.15	5.00	ND	50	98.2	97.0	1.23	80 - 120	30	
Thallium	0.20	5.00	ND	50	99.3	98.0	1.42	80 - 120	30	
Vanadium	0.10	5.00	ND	50	101	99.3	1.60	80 - 120	30	
Zinc	0.30	5.00	ND	50	98.1	97.2	1.02	80 - 120	30	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2209168	Prep Method:	7471BP	Prep Date:	09/23/22	Prep Batch:	1145199
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	9/26/2022	Analytical Batch:	469420
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	114	115	0.000	85 - 115	30	

Work Order:	2209168	Prep Method:	5030VOC	Prep Date:	09/23/22	Prep Batch:	1145204
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	9/23/2022	Analytical Batch:	469396
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	120	119	0.471	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	94.5	101	6.86	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	104	101	2.74	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	118	115	2.88	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	106	102	3.23	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	92.4	96.7		61.2 - 131		
(S) Toluene-d8				17.9	116	112		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	97.5	102		64.1 - 120		

Work Order:	2209168	Prep Method:	3546_TPH	Prep Date:	09/24/22	Prep Batch:	1145208
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	9/24/2022	Analytical Batch:	469502
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	25.0	86.3	96.6	11.4	52 - 115	30	
Pentacosane (S)				200	105	109		45 - 130		

Work Order:	2209168	Prep Method:	3546_OCP	Prep Date:	09/27/22	Prep Batch:	1145258
Matrix:	Soil	Analytical Method:	SW8081B	Analyzed Date:	9/27/2022	Analytical Batch:	469468
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	104	99.8	4.17	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	104	99.3	4.67	40 - 130	30	
Aldrin	0.20	2.0	ND	40	101	96.5	4.56	25 - 140	30	
delta-BHC	0.15	2.0	ND	40	104	99.2	4.19	60 - 130	30	
Heptachlor	0.19	2.0	ND	40	101	96.0	5.57	55 - 135	30	
4,4'-DDT	0.13	2.0	ND	40	107	102	5.02	45 - 140	30	
Tetrachloro-M-Xylene (S)				100	97.2	94.8		48 - 125		
Decachlorobiphenyl (S)				100	106	102		38 - 135		



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2209168	Prep Method:	3050B	Prep Date:	09/23/22	Prep Batch:	1145196
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	9/26/2022	Analytical Batch:	469424
Spiked Sample:	2209168-003A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	76.1	76.6	0.524	30.7 - 130	30	
Arsenic	0.15	1.30	3.40	50	94.2	91.3	2.81	71.0 - 121	30	
Barium	0.055	5.00	204	50	0	0	15.8	70.2 - 130	30	NR
Beryllium	0.055	5.00	ND	50	94.4	91.1	3.43	73.3 - 115	30	
Cadmium	0.10	0.750	ND	50	88.7	85.7	3.41	80.0 - 110	30	
Chromium	0.075	5.00	40.9	50	93.2	76.2	10.2	76.0 - 116	30	
Cobalt	0.070	5.00	7.25	50	90.5	86.5	3.88	57.4 - 122	30	
Copper	0.20	5.00	31.7	50	99.6	90.6	5.68	74.8 - 119	30	
Lead	0.10	3.00	8.80	50	89.4	85.4	3.81	57.9 - 118	30	
Molybdenum	0.050	5.00	ND	50	92.3	88.9	3.60	62.9 - 123	30	
Nickel	0.50	5.00	37.8	50	90.4	80.4	6.21	61.5 - 122	30	
Selenium	0.22	5.00	ND	50	86.2	82.0	4.99	62.0 - 111	30	
Silver	0.15	5.00	ND	50	102	98.4	3.59	75 - 125	30	
Thallium	0.20	5.00	ND	50	89.7	85.9	4.32	39.2 - 125	30	
Vanadium	0.10	5.00	46.6	50	95.8	88.8	3.77	65.8 - 122	30	
Zinc	0.30	5.00	45.2	50	83.6	80.6	1.74	59.9 - 122	30	

Work Order:	2209168	Prep Method:	7471BP	Prep Date:	09/23/22	Prep Batch:	1145199
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	9/26/2022	Analytical Batch:	469420
Spiked Sample:	2209168-003A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	117	110	6.36	80 - 120	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Engeo Inc (SJ)

Date and Time Received: 9/22/2022 5:30:00PM

Project Name: 4590 Patrick Henry Drive

Received By: Katherene Evans

Work Order No.: 2209168

Physically Logged By: Katherene Evans

Checklist Completed By: Katherene Evans

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	<u>Yes</u>
Chain of custody signed when relinquished and received?	<u>Yes</u>
Chain of custody agrees with sample labels?	<u>Yes</u>
Custody seals intact on sample bottles?	<u>Not Present</u>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	<u>Not Present</u>
Shipping Container/Cooler In Good Condition?	<u>Yes</u>
Samples in proper container/bottle?	<u>Yes</u>
Samples containers intact?	<u>Yes</u>
Sufficient sample volume for indicated test?	<u>Yes</u>

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>	
Container/Temp Blank temperature in compliance?	<u>No</u>	Temperature: 10.0 °C
Water-VOA vials have zero headspace?	<u>Yes</u>	
Water-pH acceptable upon receipt?	<u>N/A</u>	
pH Checked by: na		pH Adjusted by: na

Comments:

samples received on ice



Login Summary Report

Client ID: TL5224 Engeo Inc (SJ)
Project Name: 4590 Patrick Henry Drive
Project # : 20816.000.001
Report Due Date: 9/30/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/22/2022
Time Received: 5:30 pm

Comments:

Work Order # : **2209168**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2209168-001A	GW-1	09/22/22 10:30	Water	11/06/22			VOC_W_8260B	
2209168-002A	GW-2	09/22/22 10:20	Water	11/06/22			VOC_W_8260B	
2209168-003A	S-1@ 0-6"	09/22/22 10:04	Soil	11/06/22			Met_S_6010B CAM17 VOC_S_8260B mg/Kg Hg_S_7471B VOC_S_GRO mg/Kg Pest_S_8081OCP TPHDO_S_8015(Mod)	
<u>Sample Note:</u>	Pls report data in mg/kg							
2209168-004A	S-1@ 18-24"	09/22/22 10:06	Soil	03/21/23			Met_S_6010B CAM17 Hg_S_7471B VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg Pest_S_8081OCP TPHDO_S_8015(Mod)	
2209168-005A	S-2@ 0-6"	09/22/22 10:00	Soil	03/21/23			Met_S_6010B CAM17 Pest_S_8081OCP TPHDO_S_8015(Mod) Hg_S_7471B VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg	
2209168-006A	S-2 @ 18-24"	09/22/22 10:02	Soil	03/21/23			Met_S_6010B CAM17 VOC_S_GRO mg/Kg Hg_S_7471B VOC_S_8260B mg/Kg TPHDO_S_8015(Mod) Pest_S_8081OCP	



483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

LAB WORK ORDER NO

2209168

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

Company Name: ENGE0			<input type="checkbox"/> Env.	<input type="checkbox"/> Special	Project #: 20816.000.001	PO #:
Address: 6399 SAN IGNACIO AVE			Project Name: 4590 Patrick Henry Drive			
City: SAN JOSE	State: CA	Zip Code: 95119	Comments:			
Telephone: 832-205-1493	Cell:		SAMPLER: WH	Quote #:		
REPORT TO: DBhargava	BILL TO: DIVYA Bhargava		EMAIL: DBhargava@engeo.com			WHouse@engeo.com

TURNAROUND TIME: <input type="checkbox"/> 10 Work Days <input type="checkbox"/> 4 Work Days <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 7 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> Noon - Nxt Day <input checked="" type="checkbox"/> 5 Work Days <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 2 - 8 Hours		SAMPLE TYPE: <input type="checkbox"/> Storm Water <input type="checkbox"/> Air <input type="checkbox"/> Waste Water <input type="checkbox"/> Wipe <input type="checkbox"/> Ground Water <input type="checkbox"/> Other <input type="checkbox"/> Soil <input type="checkbox"/> Product / Bulk		REPORT FORMAT: <input type="checkbox"/> Level II - Std. <input type="checkbox"/> Excel - EDD <input type="checkbox"/> EDF <input type="checkbox"/> Std.-EDD <input type="checkbox"/> QC Level III <input type="checkbox"/> QC Level IV		ANALYSIS REQUESTED
---	--	---	--	--	--	---------------------------

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	VOC's (TO-15)	Oxyge-n (D1946)	VOC's (2260B)	TPH-d/mo (8015)	VOC's TPH's (8260)	CAM 17 Metal (8910)	OCF's (8081)	REMARKS
	A12187	SG-4	9/22/22 11:37	SG	1	SUMMA	X	X						
	A7566	SG-1	11:48	SG	1		X	X						
	B3570	SG-2	12:10	SG	1		X	X						
	N3969	SG-3	12:32	SG	1		X	X						
001		GW-1	10:30	GW	3	VDA			X					
002		GW-2	10:20	GW	3	VDA			X					
003		S-1 @ 0-6"	10:04	Soil	1	liner				X	X	X	X	
004		S-1 @ 18-24"	10:06	Soil	1					X	X	X	X	
005		S-2 @ 0-6"	10:00	Soil	1					X	X	X	X	
000		S-2 @ 18-24"	10:02	Soil	1					X	X	X	X	

1	Relinquished By: <i>[Signature]</i>	Print: WH	Date: 9/22/22	Time: 17:30	Received By: <i>[Signature]</i>	Print: Evans	Date: 9-22-22	Time: 17:30
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment **D/off** Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp **10** °C **#3** Page ___ of ___ Rev. 4



Engeo Inc (SJ)
6399 San Ignacio Ave, Suite 150
San Jose, California 95119
Tel: 408-574-4900
Fax: 888-279-2698
RE: 4590 Patrick Henry Drive

Work Order No.: 2209173

Dear Divya Bhargava:

Torrent Laboratory, Inc. received 4 sample(s) on September 22, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink, appearing to read "Patti L Sandrock", is written over a light blue horizontal line.

Patti L Sandrock
QA Officer

September 30, 2022

Date



Date: 9/30/2022

Client: Engeo Inc (SJ)

Project: 4590 Patrick Henry Drive

Work Order: 2209173

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Oxygen data for sample 003 could not be reported due to low initial canister pressure of the sample.



Sample Result Summary

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date Received: 09/22/22

Date Reported: 09/30/22

SG-4

2209173-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	7.1	0.075	0.36	17%
Carbon Disulfide	ETO15	1	0.37	1.6	3.6
2-Propanol (Isopropyl Alcohol)	ETO15	1	1.3	12	19
Acetone	ETO15	1	0.40	12	64
Hexane	ETO15	1	0.46	1.8	30
2-Butanone (MEK)	ETO15	1	0.39	1.5	20
Benzene	ETO15	1	0.44	1.6	3.8
Trichloroethylene	ETO15	1	0.81	2.7	48
Toluene	ETO15	1	0.75	1.9	4.3
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.75	2.1	20
m,p-Xylene	ETO15	1	0.98	2.2	2.5
4-Ethyl Toluene	ETO15	1	0.55	2.5	2.7
1,2,4-Trimethylbenzene	ETO15	1	0.60	2.5	6.5

SG-1

2209173-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	16.3	0.17	0.82	20%
Acetone	ETO15	2.4	0.95	29	48
2-Butanone (MEK)	ETO15	2.4	0.93	3.5	15
Trichloroethylene	ETO15	2.4	1.9	6.4	11
4-Methyl-2-Pentanone (MIBK)	ETO15	2.4	1.8	4.9	16

SG-2

2209173-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Carbon Disulfide	ETO15	3.8	1.4	5.9	13
Acetone	ETO15	3.8	1.5	45	110
Hexane	ETO15	3.8	1.8	6.7	21
2-Butanone (MEK)	ETO15	3.8	1.5	5.6	38
Benzene	ETO15	3.8	1.7	6.1	9.4
Trichloroethylene	ETO15	3.8	3.1	10	280
Toluene	ETO15	3.8	2.9	7.2	12
4-Methyl-2-Pentanone (MIBK)	ETO15	3.8	2.8	7.8	38



Sample Result Summary

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date Received: 09/22/22

Date Reported: 09/30/22

SG-3

2209173-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	13.3	0.14	0.67	13%
Carbon Disulfide	ETO15	1	0.37	1.6	10
Acetone	ETO15	1	0.40	12	89
tert-Butanol	ETO15	1	0.62	1.5	14
Chloroform	ETO15	1	0.97	2.4	9.5
2-Butanone (MEK)	ETO15	1	0.39	1.5	25
Trichloroethylene	ETO15	1	0.81	2.7	24
Toluene	ETO15	1	0.75	1.9	5.6
Tetrachloroethylene	ETO15	1	1.5	3.4	19
Ethyl Benzene	ETO15	1	0.63	2.2	94
m,p-Xylene	ETO15	1	0.98	2.2	420
o-Xylene	ETO15	1	0.30	2.2	130
4-Ethyl Toluene	ETO15	1	0.55	2.5	4.9
1,3,5-Trimethylbenzene	ETO15	1	0.30	2.5	2.9
1,2,4-Trimethylbenzene	ETO15	1	0.60	2.5	3.6
Naphthalene	ETO15	1	1.3	2.6	3.5



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID: SG-4	Lab Sample ID: 2209173-001A
Project Name/Location: 4590 Patrick Henry Drive	Sample Matrix: Air
Project Number: 20816.000.001	
Date/Time Sampled: 09/22/22 / 11:37	Certified Clean WO # :
Canister/Tube ID: A12187	Received PSI : 12.4
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: FG-P	Prep Batch Date/Time: 9/28/22	4:00:00PM
Prep Batch ID: 1145382	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	7.10	0.075	0.36	17			09/28/22	18:22	BA	469529

Prep Method: TO15-P	Prep Batch Date/Time: 9/27/22	7:43:00AM
Prep Batch ID: 1145359	Prep Analyst: BPATEL	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/28/22	5:02	BA	469513
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/28/22	5:02	BA	469513
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/28/22	5:02	BA	469513
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/28/22	5:02	BA	469513
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/28/22	5:02	BA	469513
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/28/22	5:02	BA	469513
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/28/22	5:02	BA	469513
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/28/22	5:02	BA	469513
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/28/22	5:02	BA	469513
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/28/22	5:02	BA	469513
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/28/22	5:02	BA	469513
Carbon Disulfide	ETO15	1.00	0.37	1.6	3.6	1.16		09/28/22	5:02	BA	469513
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	19	7.72		09/28/22	5:02	BA	469513
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/28/22	5:02	BA	469513
Acetone	ETO15	1.00	0.40	12	64	26.89		09/28/22	5:02	BA	469513
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/28/22	5:02	BA	469513
Hexane	ETO15	1.00	0.46	1.8	30	8.52		09/28/22	5:02	BA	469513
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/28/22	5:02	BA	469513
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		09/28/22	5:02	BA	469513
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/28/22	5:02	BA	469513
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/28/22	5:02	BA	469513
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/28/22	5:02	BA	469513
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/28/22	5:02	BA	469513
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/28/22	5:02	BA	469513
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/28/22	5:02	BA	469513
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/28/22	5:02	BA	469513
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/28/22	5:02	BA	469513
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	20	6.78		09/28/22	5:02	BA	469513
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/28/22	5:02	BA	469513



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	SG-4	Lab Sample ID:	2209173-001A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Air
Project Number:	20816.000.001	Certified Clean WO # :	
Date/Time Sampled:	09/22/22 / 11:37	Received PSI :	12.4
Canister/Tube ID:	A12187	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 9/27/22 7:43:00AM
Prep Batch ID: 1145359	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/28/22	5:02	BA	469513
Benzene	ETO15	1.00	0.44	1.6	3.8	1.19		09/28/22	5:02	BA	469513
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/28/22	5:02	BA	469513
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/28/22	5:02	BA	469513
Trichloroethylene	ETO15	1.00	0.81	2.7	48	8.94		09/28/22	5:02	BA	469513
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/28/22	5:02	BA	469513
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/28/22	5:02	BA	469513
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/28/22	5:02	BA	469513
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/28/22	5:02	BA	469513
Toluene	ETO15	1.00	0.75	1.9	4.3	1.14		09/28/22	5:02	BA	469513
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	20	4.88		09/28/22	5:02	BA	469513
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/28/22	5:02	BA	469513
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		09/28/22	5:02	BA	469513
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/28/22	5:02	BA	469513
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/28/22	5:02	BA	469513
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/28/22	5:02	BA	469513
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		09/28/22	5:02	BA	469513
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		09/28/22	5:02	BA	469513
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/28/22	5:02	BA	469513
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/28/22	5:02	BA	469513
m,p-Xylene	ETO15	1.00	0.98	2.2	2.5	0.58		09/28/22	5:02	BA	469513
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		09/28/22	5:02	BA	469513
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/28/22	5:02	BA	469513
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/28/22	5:02	BA	469513
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/28/22	5:02	BA	469513
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	2.7	0.55		09/28/22	5:02	BA	469513
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/28/22	5:02	BA	469513
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	6.5	1.32		09/28/22	5:02	BA	469513
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/28/22	5:02	BA	469513
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/28/22	5:02	BA	469513
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/28/22	5:02	BA	469513
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/28/22	5:02	BA	469513
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/28/22	5:02	BA	469513
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/28/22	5:02	BA	469513
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	100 %			09/28/22	5:02	BA	469513



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	SG-1	Lab Sample ID:	2209173-002A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Air
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 11:48	Certified Clean WO # :	
Canister/Tube ID:	A7566	Received PSI :	6.5
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/28/22 4:00:00PM
Prep Batch ID: 1145382	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	16.30	0.17	0.82	20			09/28/22	18:49	BA	469529

Prep Method: TO15-P	Prep Batch Date/Time: 9/27/22 7:43:00AM
Prep Batch ID: 1145359	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	2.40	3.8	5.9	ND	ND		09/28/22	5:35	BA	469513
1,1-Difluoroethane	ETO15	2.40	0.83	32	ND	ND		09/28/22	5:35	BA	469513
1,2-Dichlorotetrafluoroethane	ETO15	2.40	3.4	8.4	ND	ND		09/28/22	5:35	BA	469513
Chloromethane	ETO15	2.40	4.9	9.9	ND	ND		09/28/22	5:35	BA	469513
Vinyl Chloride	ETO15	2.40	0.54	3.1	ND	ND		09/28/22	5:35	BA	469513
1,3-Butadiene	ETO15	2.40	0.82	2.7	ND	ND		09/28/22	5:35	BA	469513
Bromomethane	ETO15	2.40	1.6	4.7	ND	ND		09/28/22	5:35	BA	469513
Chloroethane	ETO15	2.40	2.0	3.2	ND	ND		09/28/22	5:35	BA	469513
Trichlorofluoromethane	ETO15	2.40	1.3	6.7	ND	ND		09/28/22	5:35	BA	469513
1,1-Dichloroethene	ETO15	2.40	2.0	4.8	ND	ND		09/28/22	5:35	BA	469513
Freon 113	ETO15	2.40	2.4	9.2	ND	ND		09/28/22	5:35	BA	469513
Carbon Disulfide	ETO15	2.40	0.90	3.7	ND	ND		09/28/22	5:35	BA	469513
2-Propanol (Isopropyl Alcohol)	ETO15	2.40	3.1	30	ND	ND		09/28/22	5:35	BA	469513
Methylene Chloride	ETO15	2.40	1.7	25	ND	ND		09/28/22	5:35	BA	469513
Acetone	ETO15	2.40	0.95	29	48	20.17		09/28/22	5:35	BA	469513
trans-1,2-Dichloroethene	ETO15	2.40	1.1	4.8	ND	ND		09/28/22	5:35	BA	469513
Hexane	ETO15	2.40	1.1	4.2	ND	ND		09/28/22	5:35	BA	469513
MTBE	ETO15	2.40	1.1	4.3	ND	ND		09/28/22	5:35	BA	469513
tert-Butanol	ETO15	2.40	1.5	3.6	ND	ND		09/28/22	5:35	BA	469513
Diisopropyl ether (DIPE)	ETO15	2.40	1.8	5.0	ND	ND		09/28/22	5:35	BA	469513
1,1-Dichloroethane	ETO15	2.40	1.3	4.9	ND	ND		09/28/22	5:35	BA	469513
ETBE	ETO15	2.40	0.78	5.0	ND	ND		09/28/22	5:35	BA	469513
cis-1,2-Dichloroethene	ETO15	2.40	2.0	4.8	ND	ND		09/28/22	5:35	BA	469513
Chloroform	ETO15	2.40	2.3	5.9	ND	ND		09/28/22	5:35	BA	469513
Vinyl Acetate	ETO15	2.40	1.8	4.2	ND	ND		09/28/22	5:35	BA	469513
Carbon Tetrachloride	ETO15	2.40	2.7	7.5	ND	ND		09/28/22	5:35	BA	469513
1,1,1-Trichloroethane	ETO15	2.40	1.9	6.6	ND	ND		09/28/22	5:35	BA	469513
2-Butanone (MEK)	ETO15	2.40	0.93	3.5	15	5.08		09/28/22	5:35	BA	469513
Ethyl Acetate	ETO15	2.40	1.1	4.3	ND	ND		09/28/22	5:35	BA	469513



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	SG-1	Lab Sample ID:	2209173-002A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Air
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 11:48	Certified Clean WO # :	
Canister/Tube ID:	A7566	Received PSI :	6.5
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 9/27/22 7:43:00AM
Prep Batch ID: 1145359	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Tetrahydrofuran	ETO15	2.40	1.1	3.5	ND	ND		09/28/22	5:35	BA	469513
Benzene	ETO15	2.40	1.0	3.8	ND	ND		09/28/22	5:35	BA	469513
TAME	ETO15	2.40	1.6	5.0	ND	ND		09/28/22	5:35	BA	469513
1,2-Dichloroethane (EDC)	ETO15	2.40	1.0	4.9	ND	ND		09/28/22	5:35	BA	469513
Trichloroethylene	ETO15	2.40	1.9	6.4	11	2.05		09/28/22	5:35	BA	469513
1,2-Dichloropropane	ETO15	2.40	1.8	5.5	ND	ND		09/28/22	5:35	BA	469513
Bromodichloromethane	ETO15	2.40	1.8	8.0	ND	ND		09/28/22	5:35	BA	469513
1,4-Dioxane	ETO15	2.40	4.3	8.6	ND	ND		09/28/22	5:35	BA	469513
trans-1,3-Dichloropropene	ETO15	2.40	2.6	5.4	ND	ND		09/28/22	5:35	BA	469513
Toluene	ETO15	2.40	1.8	4.5	ND	ND		09/28/22	5:35	BA	469513
4-Methyl-2-Pentanone (MIBK)	ETO15	2.40	1.8	4.9	16	3.90		09/28/22	5:35	BA	469513
cis-1,3-Dichloropropene	ETO15	2.40	1.0	5.4	ND	ND		09/28/22	5:35	BA	469513
Tetrachloroethylene	ETO15	2.40	3.5	8.1	ND	ND		09/28/22	5:35	BA	469513
1,1,2-Trichloroethane	ETO15	2.40	1.4	6.6	ND	ND		09/28/22	5:35	BA	469513
Dibromochloromethane	ETO15	2.40	2.7	10	ND	ND		09/28/22	5:35	BA	469513
1,2-Dibromoethane (EDB)	ETO15	2.40	1.8	9.2	ND	ND		09/28/22	5:35	BA	469513
2-Hexanone	ETO15	2.40	1.6	4.9	ND	ND		09/28/22	5:35	BA	469513
Ethyl Benzene	ETO15	2.40	1.5	5.2	ND	ND		09/28/22	5:35	BA	469513
Chlorobenzene	ETO15	2.40	1.4	5.5	ND	ND		09/28/22	5:35	BA	469513
1,1,1,2-Tetrachloroethane	ETO15	2.40	2.0	8.2	ND	ND		09/28/22	5:35	BA	469513
m,p-Xylene	ETO15	2.40	2.3	5.2	ND	ND		09/28/22	5:35	BA	469513
o-Xylene	ETO15	2.40	0.73	5.2	ND	ND		09/28/22	5:35	BA	469513
Styrene	ETO15	2.40	1.1	5.1	ND	ND		09/28/22	5:35	BA	469513
Bromoform	ETO15	2.40	3.1	12	ND	ND		09/28/22	5:35	BA	469513
1,1,2,2-Tetrachloroethane	ETO15	2.40	2.0	8.2	ND	ND		09/28/22	5:35	BA	469513
4-Ethyl Toluene	ETO15	2.40	1.3	5.9	ND	ND		09/28/22	5:35	BA	469513
1,3,5-Trimethylbenzene	ETO15	2.40	0.72	5.9	ND	ND		09/28/22	5:35	BA	469513
1,2,4-Trimethylbenzene	ETO15	2.40	1.4	5.9	ND	ND		09/28/22	5:35	BA	469513
1,4-Dichlorobenzene	ETO15	2.40	1.8	7.2	ND	ND		09/28/22	5:35	BA	469513
1,3-Dichlorobenzene	ETO15	2.40	3.2	7.2	ND	ND		09/28/22	5:35	BA	469513
1,2-Dichlorobenzene	ETO15	2.40	2.6	7.2	ND	ND		09/28/22	5:35	BA	469513
Hexachlorobutadiene	ETO15	2.40	4.5	13	ND	ND		09/28/22	5:35	BA	469513
1,2,4-Trichlorobenzene	ETO15	2.40	5.2	8.9	ND	ND		09/28/22	5:35	BA	469513
Naphthalene	ETO15	2.40	3.1	6.3	ND	ND		09/28/22	5:35	BA	469513
(S) 4-Bromofluorobenzene	ETO15	2.40	50	150	110 %			09/28/22	5:35	BA	469513



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	SG-2	Lab Sample ID:	2209173-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Air
Project Number:	20816.000.001	Certified Clean WO # :	
Date/Time Sampled:	09/22/22 / 12:10	Received PSI :	3.9
Canister/Tube ID:	R3570	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 9/27/22 7:43:00AM
Prep Batch ID: 1145359	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	3.80	6.0	9.4	ND	ND		09/28/22	6:01	BA	469513
1,1-Difluoroethane	ETO15	3.80	1.3	51	ND	ND		09/28/22	6:01	BA	469513
1,2-Dichlorotetrafluoroethane	ETO15	3.80	5.3	13	ND	ND		09/28/22	6:01	BA	469513
Chloromethane	ETO15	3.80	7.8	16	ND	ND		09/28/22	6:01	BA	469513
Vinyl Chloride	ETO15	3.80	0.86	4.9	ND	ND		09/28/22	6:01	BA	469513
1,3-Butadiene	ETO15	3.80	1.3	4.2	ND	ND		09/28/22	6:01	BA	469513
Bromomethane	ETO15	3.80	2.5	7.4	ND	ND		09/28/22	6:01	BA	469513
Chloroethane	ETO15	3.80	3.1	5.0	ND	ND		09/28/22	6:01	BA	469513
Trichlorofluoromethane	ETO15	3.80	2.1	11	ND	ND		09/28/22	6:01	BA	469513
1,1-Dichloroethene	ETO15	3.80	3.1	7.5	ND	ND		09/28/22	6:01	BA	469513
Freon 113	ETO15	3.80	3.9	15	ND	ND		09/28/22	6:01	BA	469513
Carbon Disulfide	ETO15	3.80	1.4	5.9	13	4.18		09/28/22	6:01	BA	469513
2-Propanol (Isopropyl Alcohol)	ETO15	3.80	4.9	47	ND	ND		09/28/22	6:01	BA	469513
Methylene Chloride	ETO15	3.80	2.7	40	ND	ND		09/28/22	6:01	BA	469513
Acetone	ETO15	3.80	1.5	45	110	46.22		09/28/22	6:01	BA	469513
trans-1,2-Dichloroethene	ETO15	3.80	1.8	7.5	ND	ND		09/28/22	6:01	BA	469513
Hexane	ETO15	3.80	1.8	6.7	21	5.97		09/28/22	6:01	BA	469513
MTBE	ETO15	3.80	1.7	6.9	ND	ND		09/28/22	6:01	BA	469513
tert-Butanol	ETO15	3.80	2.3	5.8	ND	ND		09/28/22	6:01	BA	469513
Diisopropyl ether (DIPE)	ETO15	3.80	2.8	7.9	ND	ND		09/28/22	6:01	BA	469513
1,1-Dichloroethane	ETO15	3.80	2.1	7.7	ND	ND		09/28/22	6:01	BA	469513
ETBE	ETO15	3.80	1.2	7.9	ND	ND		09/28/22	6:01	BA	469513
cis-1,2-Dichloroethene	ETO15	3.80	3.2	7.5	ND	ND		09/28/22	6:01	BA	469513
Chloroform	ETO15	3.80	3.7	9.3	ND	ND		09/28/22	6:01	BA	469513
Vinyl Acetate	ETO15	3.80	2.9	6.7	ND	ND		09/28/22	6:01	BA	469513
Carbon Tetrachloride	ETO15	3.80	4.2	12	ND	ND		09/28/22	6:01	BA	469513
1,1,1-Trichloroethane	ETO15	3.80	3.0	10	ND	ND		09/28/22	6:01	BA	469513
2-Butanone (MEK)	ETO15	3.80	1.5	5.6	38	12.88		09/28/22	6:01	BA	469513
Ethyl Acetate	ETO15	3.80	1.8	6.8	ND	ND		09/28/22	6:01	BA	469513
Tetrahydrofuran	ETO15	3.80	1.7	5.6	ND	ND		09/28/22	6:01	BA	469513
Benzene	ETO15	3.80	1.7	6.1	9.4	2.95		09/28/22	6:01	BA	469513
TAME	ETO15	3.80	2.6	7.9	ND	ND		09/28/22	6:01	BA	469513
1,2-Dichloroethane (EDC)	ETO15	3.80	1.6	7.7	ND	ND		09/28/22	6:01	BA	469513
Trichloroethylene	ETO15	3.80	3.1	10	280	52.14		09/28/22	6:01	BA	469513
1,2-Dichloropropane	ETO15	3.80	2.9	8.8	ND	ND		09/28/22	6:01	BA	469513
Bromodichloromethane	ETO15	3.80	2.8	13	ND	ND		09/28/22	6:01	BA	469513
1,4-Dioxane	ETO15	3.80	6.8	14	ND	ND		09/28/22	6:01	BA	469513



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	SG-2	Lab Sample ID:	2209173-003A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Air
Project Number:	20816.000.001	Certified Clean WO # :	
Date/Time Sampled:	09/22/22 / 12:10	Received PSI :	3.9
Canister/Tube ID:	R3570	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 9/27/22 7:43:00AM
Prep Batch ID: 1145359	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
trans-1,3-Dichloropropene	ETO15	3.80	4.0	8.6	ND	ND		09/28/22	6:01	BA	469513
Toluene	ETO15	3.80	2.9	7.2	12	3.18		09/28/22	6:01	BA	469513
4-Methyl-2-Pentanone (MIBK)	ETO15	3.80	2.8	7.8	38	9.27		09/28/22	6:01	BA	469513
cis-1,3-Dichloropropene	ETO15	3.80	1.6	8.6	ND	ND		09/28/22	6:01	BA	469513
Tetrachloroethylene	ETO15	3.80	5.5	13	ND	ND		09/28/22	6:01	BA	469513
1,1,2-Trichloroethane	ETO15	3.80	2.2	10	ND	ND		09/28/22	6:01	BA	469513
Dibromochloromethane	ETO15	3.80	4.2	16	ND	ND		09/28/22	6:01	BA	469513
1,2-Dibromoethane (EDB)	ETO15	3.80	2.8	15	ND	ND		09/28/22	6:01	BA	469513
2-Hexanone	ETO15	3.80	2.5	7.8	ND	ND		09/28/22	6:01	BA	469513
Ethyl Benzene	ETO15	3.80	2.4	8.2	ND	ND		09/28/22	6:01	BA	469513
Chlorobenzene	ETO15	3.80	2.3	8.7	ND	ND		09/28/22	6:01	BA	469513
1,1,1,2-Tetrachloroethane	ETO15	3.80	3.2	13	ND	ND		09/28/22	6:01	BA	469513
m,p-Xylene	ETO15	3.80	3.7	8.2	ND	ND		09/28/22	6:01	BA	469513
o-Xylene	ETO15	3.80	1.2	8.2	ND	ND		09/28/22	6:01	BA	469513
Styrene	ETO15	3.80	1.8	8.1	ND	ND		09/28/22	6:01	BA	469513
Bromoform	ETO15	3.80	5.0	20	ND	ND		09/28/22	6:01	BA	469513
1,1,2,2-Tetrachloroethane	ETO15	3.80	3.1	13	ND	ND		09/28/22	6:01	BA	469513
4-Ethyl Toluene	ETO15	3.80	2.1	9.3	ND	ND		09/28/22	6:01	BA	469513
1,3,5-Trimethylbenzene	ETO15	3.80	1.1	9.3	ND	ND		09/28/22	6:01	BA	469513
1,2,4-Trimethylbenzene	ETO15	3.80	2.3	9.3	ND	ND		09/28/22	6:01	BA	469513
1,4-Dichlorobenzene	ETO15	3.80	2.8	11	ND	ND		09/28/22	6:01	BA	469513
1,3-Dichlorobenzene	ETO15	3.80	5.1	11	ND	ND		09/28/22	6:01	BA	469513
1,2-Dichlorobenzene	ETO15	3.80	4.1	11	ND	ND		09/28/22	6:01	BA	469513
Hexachlorobutadiene	ETO15	3.80	7.1	20	ND	ND		09/28/22	6:01	BA	469513
1,2,4-Trichlorobenzene	ETO15	3.80	8.2	14	ND	ND		09/28/22	6:01	BA	469513
Naphthalene	ETO15	3.80	4.8	10.	ND	ND		09/28/22	6:01	BA	469513
(S) 4-Bromofluorobenzene	ETO15	3.80	50	150	110 %			09/28/22	6:01	BA	469513



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	SG-3	Lab Sample ID:	2209173-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Air
Project Number:	20816.000.001		
Date/Time Sampled:	09/22/22 / 12:32	Certified Clean WO # :	
Canister/Tube ID:	N3969	Received PSI :	13.9
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/28/22 4:00:00PM
Prep Batch ID: 1145382	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	13.30	0.14	0.67	13			09/28/22	19:42	BA	469529

Prep Method: TO15-P	Prep Batch Date/Time: 9/27/22 7:43:00AM
Prep Batch ID: 1145359	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		09/28/22	6:47	BA	469513
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/28/22	6:47	BA	469513
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/28/22	6:47	BA	469513
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/28/22	6:47	BA	469513
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/28/22	6:47	BA	469513
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/28/22	6:47	BA	469513
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/28/22	6:47	BA	469513
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/28/22	6:47	BA	469513
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/28/22	6:47	BA	469513
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/28/22	6:47	BA	469513
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/28/22	6:47	BA	469513
Carbon Disulfide	ETO15	1.00	0.37	1.6	10	3.22		09/28/22	6:47	BA	469513
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/28/22	6:47	BA	469513
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/28/22	6:47	BA	469513
Acetone	ETO15	1.00	0.40	12	89	37.39		09/28/22	6:47	BA	469513
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/28/22	6:47	BA	469513
Hexane	ETO15	1.00	0.46	1.8	ND	ND		09/28/22	6:47	BA	469513
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/28/22	6:47	BA	469513
tert-Butanol	ETO15	1.00	0.62	1.5	14	4.62		09/28/22	6:47	BA	469513
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/28/22	6:47	BA	469513
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/28/22	6:47	BA	469513
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/28/22	6:47	BA	469513
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/28/22	6:47	BA	469513
Chloroform	ETO15	1.00	0.97	2.4	9.5	1.95		09/28/22	6:47	BA	469513
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/28/22	6:47	BA	469513
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/28/22	6:47	BA	469513
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/28/22	6:47	BA	469513
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	25	8.47		09/28/22	6:47	BA	469513
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/28/22	6:47	BA	469513



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 09/22/22, 5:30 pm
Date Reported: 09/30/22

Client Sample ID:	SG-3	Lab Sample ID:	2209173-004A
Project Name/Location:	4590 Patrick Henry Drive	Sample Matrix:	Air
Project Number:	20816.000.001	Certified Clean WO # :	
Date/Time Sampled:	09/22/22 / 12:32	Received PSI :	13.9
Canister/Tube ID:	N3969	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 9/27/22 7:43:00AM
Prep Batch ID: 1145359	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		09/28/22	6:47	BA	469513
Benzene	ETO15	1.00	0.44	1.6	ND	ND		09/28/22	6:47	BA	469513
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/28/22	6:47	BA	469513
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/28/22	6:47	BA	469513
Trichloroethylene	ETO15	1.00	0.81	2.7	24	4.47		09/28/22	6:47	BA	469513
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/28/22	6:47	BA	469513
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/28/22	6:47	BA	469513
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/28/22	6:47	BA	469513
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/28/22	6:47	BA	469513
Toluene	ETO15	1.00	0.75	1.9	5.6	1.49		09/28/22	6:47	BA	469513
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/28/22	6:47	BA	469513
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/28/22	6:47	BA	469513
Tetrachloroethylene	ETO15	1.00	1.5	3.4	19	2.80		09/28/22	6:47	BA	469513
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/28/22	6:47	BA	469513
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/28/22	6:47	BA	469513
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/28/22	6:47	BA	469513
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		09/28/22	6:47	BA	469513
Ethyl Benzene	ETO15	1.00	0.63	2.2	94	21.66		09/28/22	6:47	BA	469513
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/28/22	6:47	BA	469513
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/28/22	6:47	BA	469513
m,p-Xylene	ETO15	1.00	0.98	2.2	420	96.77		09/28/22	6:47	BA	469513
o-Xylene	ETO15	1.00	0.30	2.2	130	29.95		09/28/22	6:47	BA	469513
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/28/22	6:47	BA	469513
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/28/22	6:47	BA	469513
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/28/22	6:47	BA	469513
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	4.9	1.00		09/28/22	6:47	BA	469513
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	2.9	0.59		09/28/22	6:47	BA	469513
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	3.6	0.73		09/28/22	6:47	BA	469513
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/28/22	6:47	BA	469513
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/28/22	6:47	BA	469513
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/28/22	6:47	BA	469513
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/28/22	6:47	BA	469513
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/28/22	6:47	BA	469513
Naphthalene	ETO15	1.00	1.3	2.6	3.5	0.67		09/28/22	6:47	BA	469513
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	100 %			09/28/22	6:47	BA	469513



MB Summary Report

Work Order:	2209173	Prep Method:	TO15-P	Prep Date:	09/27/22	Prep Batch:	1145359
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	9/27/2022	Analytical Batch:	469513
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	0.96	
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND	
Chloromethane	0.99	2.0	ND	
Vinyl Chloride	0.088	0.50	ND	
1,3-Butadiene	0.15	0.50	ND	
Bromomethane	0.17	0.50	ND	
Chloroethane	0.31	0.50	ND	
Trichlorofluoromethane	0.099	0.50	ND	
1,1-Dichloroethene	0.21	0.50	ND	
Freon 113	0.13	0.50	ND	
Carbon Disulfide	0.12	0.50	ND	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND	
Methylene Chloride	0.20	3.0	ND	
Acetone	0.17	5.0	ND	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	ND	
Ethyl Acetate	0.13	0.50	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.11	0.50	ND	
Dibromochloromethane	0.13	0.50	ND	
1,2-Dibromoethane (EDB)	0.096	0.50	ND	



MB Summary Report

Work Order:	2209173	Prep Method:	TO15-P	Prep Date:	09/27/22	Prep Batch:	1145359
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	9/27/2022	Analytical Batch:	469513
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
2-Hexanone	0.16	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
Chlorobenzene	0.13	0.50	ND	
1,1,1,2-Tetrachloroethane	0.12	0.50	ND	
m,p-Xylene	0.23	0.50	ND	
o-Xylene	0.070	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.13	0.50	ND	
1,1,2,2-Tetrachloroethane	0.12	0.50	ND	
4-Ethyl Toluene	0.11	0.50	ND	
1,3,5-Trimethylbenzene	0.061	0.50	ND	
1,2,4-Trimethylbenzene	0.12	0.50	ND	
1,4-Dichlorobenzene	0.12	0.50	ND	
1,3-Dichlorobenzene	0.22	0.50	ND	
1,2-Dichlorobenzene	0.18	0.50	ND	
Hexachlorobutadiene	0.17	0.50	ND	
1,2,4-Trichlorobenzene	0.29	0.50	ND	
Naphthalene	0.24	0.50	ND	
Cyclohexane	0.50	0.50	ND	
Benzyl Chloride	0.20	0.50	ND	
Heptane	0.13	0.50	ND	
(S) 4-Bromofluorobenzene			91	

Work Order:	2209173	Prep Method:	FG-P	Prep Date:	09/28/22	Prep Batch:	1145382
Matrix:	Air	Analytical Method:	D1946	Analyzed Date:	9/28/2022	Analytical Batch:	469529
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Carbon Dioxide	100	500	ND	
Ethene	110	500	ND	
Ethane	130	500	ND	
Hydrogen	180	500	ND	
Oxygen	110	500	ND	
Nitrogen	260	500	ND	
Methane	23	50	ND	
Carbon Monoxide	200	500	ND	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2209173	Prep Method:	TO15-P	Prep Date:	09/27/22	Prep Batch:	1145359
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	9/27/2022	Analytical Batch:	469513
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	133	124	7.87	65 - 135	30	
Benzene	0.14	0.50	0.96	8.00	108	104	4.00	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	102	104	1.57	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	103	98.1	5.09	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	103	104	1.32	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	99.5	99.0		50 - 150		

Work Order:	2209173	Prep Method:	FG-P	Prep Date:	09/28/22	Prep Batch:	1145382
Matrix:	Air	Analytical Method:	D1946	Analyzed Date:	9/28/2022	Analytical Batch:	469529
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Carbon Dioxide	100	500	ND	2500	89.6	80.9	10.3	65 - 135	30	
Ethene	110	500	ND	2500	88.9	74.7	17.1	65 - 135	30	
Ethane	130	500	ND	2500	89.4	73.8	19.1	65 - 135	30	
Hydrogen	180	500	ND	2500	112	105	7.00	65 - 135	30	
Oxygen	110	500	ND	2500	95.1	84.0	12.5	65 - 135	30	
Nitrogen	260	500	ND	2500	82.2	65.1	22.8	65 - 135	30	
Methane	230	500	ND	2500	97.5	83.1	15.9	65 - 135	30	
Carbon Monoxide	200	500	ND	2500	99.4	85.9	14.3	65 - 135	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Engeo Inc (SJ)

Project Name: 4590 Patrick Henry Drive

Work Order No.: 2209173

Date and Time Received: 9/22/2022 5:30:00PM

Received By: Katherene Evans

Physically Logged By: Katherene Evans

Checklist Completed By: Katherene Evans

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	<u>Yes</u>
Chain of custody signed when relinquished and received?	<u>Yes</u>
Chain of custody agrees with sample labels?	<u>Yes</u>
Custody seals intact on sample bottles?	<u>Not Present</u>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	<u>Not Present</u>
Shipping Container/Cooler In Good Condition?	<u>Yes</u>
Samples in proper container/bottle?	<u>Yes</u>
Samples containers intact?	<u>Yes</u>
Sufficient sample volume for indicated test?	<u>Yes</u>

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>	Temperature:	°C
Container/Temp Blank temperature in compliance?			
Water-VOA vials have zero headspace?	<u>No VOA vials submitted</u>		
Water-pH acceptable upon receipt?	<u>N/A</u>		
pH Checked by: na		pH Adjusted by: na	

Comments:

Summas rec'd at ambient temp



Login Summary Report

Client ID: TL5224 Engeo Inc (SJ)
Project Name: 4590 Patrick Henry Drive
Project # : 20816.000.001
Report Due Date: 9/30/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 9/22/2022
Time Received: 5:30 pm

Comments:

Work Order # : **2209173**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2209173-001A	SG-4	09/22/22 11:37	Air				VOC_A_FG D1946 VOC_A_TO15	
<u>Sample Note:</u> TO15 VOCs & oxygen								
2209173-002A	SG-1	09/22/22 11:48	Air				VOC_A_TO15 VOC_A_FG D1946	
2209173-003A	SG-2	09/22/22 12:10	Air				VOC_A_TO15 VOC_A_FG D1946	
2209173-004A	SG-3	09/22/22 12:32	Air				VOC_A_FG D1946 VOC_A_TO15	

CHAIN OF CUSTODY

* NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY *

LAB WORK ORDER NO
 2209173

Company Name: ENGE Env. Special Project #: 20816.000.001 PO #:
 Address: 6399 SAN IGNACIO AVE Project Name: 4590 Patrick Henry Drive
 City: SAN JOSE State: CA Zip Code: 95119 Comments:
 Telephone: 832-205-1493 Cell: SAMPLER: WH Quote #:
 REPORT TO: DBhargava@ BILL TO: DIVYA Bhargava EMAIL: DBhargava@enge.com WHouse@enge.com

TURNAROUND TIME:

- 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE:

- Storm Water Air
 Waste Water Wipe
 Ground Water Other
 Soil Product / Bulk

REPORT FORMAT:

- Level II - Std.
 Excel - EDD
 EDF Std.-EDD
 QC Level III
 QC Level IV

VOC's (TO-15)
 Oxygen (01946)
 VOC's (8260B)
 TPH-C/MO (8015)
 VOI's TPH-G (8260)
 CAM 17 Metal (6010)
 DCP's (8081)

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	VOC's (TO-15)	Oxygen (01946)	VOC's (8260B)	TPH-C/MO (8015)	VOI's TPH-G (8260)	CAM 17 Metal (6010)	DCP's (8081)	REMARKS
001	A12187	SG-4	9/22/22 11:37	SG	1	SUMMA	X	X						
002	A7566	SG-1	11:48	SG	1		X	X						
003	B3570	SG-2	12:10	SG	1		X	X						
004	N3969	SG-3	12:32	SG	1		X	X						
		GW-1	10:30	GW	3	VDA			X					
		GW-2	10:20	GW	3	VDA			X					
		S-1 @ 0-6"	10:04	Soil	1	liner				X	X	X	X	
		S-1 @ 18-24"	10:06	Soil	1					X	X	X	X	
		S-2 @ 0-6"	10:00	Soil	1					X	X	X	X	
		S-2 @ 18-24"	10:02	Soil	1					X	X	X	X	

1	Relinquished By: <u>WH</u> Print: <u>WH</u> Date: <u>9/22/22</u> Time: <u>17:30</u>	Received By: <u>Kabine</u> Print: <u>EVANS</u> Date: <u>9-22-22</u> Time: <u>17:30</u>
2	Relinquished By: _____ Print: _____ Date: _____ Time: _____	Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/OFF Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____

Temp 0 °C 3