

Appendix N
Soil Vapor Sampling Report

November 7, 2022

Subject: Trimble Road Parcels
San Jose

PERJURY STATEMENT

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true and correct to the best of my knowledge.



Kristen Gates, PE
Director Pre-Development
Hanover Company

Project No.
18233.000.001

November 3, 2022

Mr. Joe Muzzio
Santa Clara County Department of Environmental Health
1555 Berger Drive, Suite 300
San Jose, CA 95112

Subject: Trimble Road Parcels
San Jose, California

SOIL GAS SAMPLING REPORT

Dear Mr. Muzzio:

We are pleased to submit the findings from the soil gas sampling conducted at the subject site in San Jose, California (Site). The purpose of this assessment was to determine if subsurface soil gas conditions pose a future risk to the planned residential development at the Site. The sampling was conducted in accordance with the *Soil Gas Sampling Work Plan* that was prepared by ENGEO (Reference 3) and approved by to the Santa Clara County Department of Environmental Health (SCCDEH).

SITE BACKGROUND

The Site is located north of the intersection of Montague Expressway and Seely Avenue, in San Jose, California. The approximately 22-acre Site consists of two areas, the northern area is identified by Assessor's Parcel Number (APN) 097-15-033 and the southern area is identified by APNs 097-15-034 and 097-066-008 (681 East Trimble Road), Figure 1.

The southern area is currently occupied by two residential structures, barns and other storage structures, a fruit stand, and agricultural land (orchards, fruits, and vegetables), and miscellaneous debris (multiple tanks, farming equipment, tires, pipes, and other debris) in several locations across the Site. The northern area is currently vacant. Review of historical records indicates that the Site has been in the current configuration since the late 1990s. Previous historical records indicate that the Site had been utilized for orchards since at least the late 1930s. The Site has not been used for any other purposes.

ENGEO conducted a phase I environmental site assessment for the Site in 2021 (ENGEO 2021). One small (approximately 200-gallon) heating oil underground storage tank (UST) exists on the Site, Figure 2. We understand that that the tank has not been used in 20 years and is believed to be empty. In addition, two small above-ground storage tanks (ASTs) were observed during the site reconnaissance conducted by ENGEO in 2021. According to the Site owner, the ASTs were previously filled with diesel and gasoline and had been used to fuel farming equipment. Other than these features, ENGEO did not identify any features or operations on the Site that would present a potential vapor intrusion risk. Additionally, during previous soil and groundwater sampling conducted by ENGEO, no evidence of a potential vapor intrusion risk was identified.

SCOPE OF INVESTIGATION

Field activities were conducted on August 24, 2022. We retained a C-57 licensed drilling contractor to advance 10 borings to collect soil gas samples at the Site. Borings were co-located at five locations (SG-1 through SG-5), Figure 2. Five temporary soil gas borings were installed with vapor points at depths of approximately 5 feet below ground surface (bgs), and five co-located borings were installed with vapor points at depths of approximately 15 bgs. The installation and sampling of the soil vapor monitoring wells will be performed in general accordance with the *Department of Toxic Substances Control (DTSC) Final Advisory Active Soil Gas Investigations (July 2015)*. Groundwater was not encountered in any of the borings.

The following procedures were conducted.

- Boreholes for the temporary soil gas wells were installed using a direct-push probe rig, which advanced an approximately 2-inch-diameter boring to depths of 6 and 15 feet bgs, respectively.
- The boreholes were backfilled with 6 inches of #3 sand, and an inert soil gas sampling tip attached to ¼-inch Teflon tubing was set at this depth and covered with an additional 6 inches of #3 sand. Six inches of dry granular bentonite was placed over the sand pack, and the borings were backfilled to 5½ and 15 feet into native soil with hydrated granular bentonite slurry. An additional 1-foot sand pack was installed at this depth with a shallow vapor tip and tubing placed. An additional 6-inch dry granular bentonite pack was installed above the sand pack and hydrated bentonite slurry was placed in the holes to the ground surface.
- The temporary wells were left to equilibrate for a minimum of 2 hours following installation.
- The purging/sampling manifold was assembled, including the sample and purge canisters, and a shut-in test was conducted by evacuating the manifold lines with the well plug valve shut, to a minimum vacuum of 100 inches of water (inwc). Once the lines were evacuated, the purge canisters/pump was shut, and the vacuum gauge was monitored for at least 1 minute. If any drop in vacuum occurred during this time, the manifold was examined, retightened, and repeated until it passed.
- The wells were purged of three dead space volumes, which include the sand pack, dry bentonite, and tubing. One purge volume was estimated at 0.26 liters (L) for shallow wells (total of 0.78 L for three purge volumes), assuming a porosity of 0.3 of the sand pack. Purge rates of 150 milliliters per minute equated to a purge time of approximately 5.2 minutes.
- After purging, the purge canister was shut, and the sample canister was opened. Samples were collected in batch-certified 1-L summa canisters.
- During purging and sampling, the in-line vacuum gauges was monitored to ensure that vacuum in the well does not exceed 100 inwc of water. If vacuum approaches 100 inwc, purging and sampling was stopped to see if vacuum subsides, and purging/sampling continued once vacuum equilibrated.
- Clean rags were sprayed with the leak-check compound 1,1-difluoroethane (DFA) and was wrapped around the sample train and placed over the annular seal of the soil gas well during sampling.
- After summa tank pressure reached approximately 3 to 4 inches of mercury, the sampling was considered complete. The soil gas samples were submitted to a State-certified laboratory for analysis of volatile organic compounds (VOCs) (EPA Test Method TO-15) and for the fixed gas oxygen (ASTM D1946).
- The soil gas borings were abandoned shortly after installation and 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 consisted of moist, low plasticity silt to a depth of 6 feet bgs, followed by brown mottled lean and fat clay to 15 feet bgs. Groundwater was not encountered during the investigation to the total depth explored.

ANALYTICAL RESULTS

Soil gas concentrations were compared to the Regional Water Quality Control Board's (RWQCB) environmental screening level (ESLs)¹ for residential land use, as well as the Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Note 3 Screening Levels (SLs)² for residential air (with an attenuation factor of 0.03 and 0.001). The DTSC's August 2022 *Vapor Intrusion Update* document indicates that an attenuation factor of 0.03 can be used for the initial evaluation of the potential for vapors to enter a building, and an alternate attenuation factor may be proposed using multiple lines of evidence. Selection of an attenuation factor should be based on multiple lines of evidence and site-specific conditions. A summary of analytical results is presented in Table A.

Benzene, vinyl chloride, and trichloroethylene (TCE) were detected at samples collected at 15 feet bgs, at concentrations exceeding the very conservative ESLs and DTSC SLs with a 0.03 attenuation factor in the soil gas samples. However, all VOCs detected in shallow and deeper samples were below the DTSL SLs with an attenuation factor of 0.001. Benzene was detected in one shallow soil gas sample (SG-5 at 5 feet) at a concentration exceeding the DTSC SL with a 0.03 attenuation factor, as well as the corresponding ESL. No other shallow detections exceeded the DTSC SLs with a 0.03 attenuation factor or the ESLs.

Oxygen was detected ranging between 16 percent and 18 percent in the samples collected. This represents favorable bioattenuation conditions.

The laboratory report is presented in its 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."³ Health and Safety Code Section 57008(a)(3) of SB 32 states the following.

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

² DTSC HERO Note 3, Table 3, DTSC Recommended Screening Levels for Ambient Air Analytes – Residential and Commercial Industrial Air.

³ 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.

“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 VOCs in soil gas, is the potential that soil gas migrates upwards and 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 SF RWQCB and DTSC.

DTSC’s most recent guidance related to site assessments for vapor intrusion concern (2011 Vapor Intrusion Guidance) recommends using default attenuation factors based on six different building scenarios, which can be applied for site-specific conditions. DTSC developed their default attenuation factors using the national empirical vapor intrusion database (U.S. EPA, 2008⁴). Soil vapor and paired indoor air measurements, consisting of 311 samples at 13 sites, were reviewed. An attenuation factor of 0.05 (or 20), representing approximately the 90th percentile of the data, was selected as an appropriate attenuation factor for existing residential structures. For new residential construction, the DTSC attenuation factor is 0.001 (or 1,000). Prior to January 2019, the SFRWQCB used an attenuation factor of 0.002 (or 500). However, in January 2019, the SFRWQCB updated its environmental screening levels to use the United States Environmental Protection Agency’s (EPA) generic attenuation factor of 0.03 (or 33)⁵. This dramatically reduced the screening levels for numerous VOCs.

In April 2019 and August 2022, 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 two screening levels – one calculated based on the recommended attenuation factor for new residential construction (0.001), and one calculated based on the U.S. EPA’s generic attenuation factor of 0.03.

TABLE 1: Indoor Air and Soil Gas Screening Levels

CHEMICAL	INDOOR AIR (residential) in µg/m ³		SOIL GAS (residential) in µg/m ³	
	SF REGIONAL BOARD	DTSC	DTSC VAPOR INTRUSION GUIDANCE	US EPA GENERIC ATTENUATION FACTOR
Benzene	0.097	0.097	97	3.2
Trichloroethylene	0.48	0.48	480	16
Vinyl Chloride	0.0095	0.0095	9.5	0.32

⁴ U.S. EPA’s Vapor Intrusion Database: Preliminary Evaluation of Attenuation Factors, March 4, 2008

⁵ San Francisco Bay Regional Water Quality Control Board Update to Environmental Screening Levels dated January 24, 2019.

Bioattenuation

Petroleum hydrocarbons, including benzene, are known to significantly degrade in aerobic conditions (greater than 4% oxygen) in the vadose zone. However, the RSLs and DTSC SLs presented above do not account for bioattenuation. The DTSC 2011 VIG provides the following statement regarding bioattenuation (bioattenuation and biodegradation are interchangeable).

“Aerobic biodegradation of petroleum hydrocarbon vapors will occur if proper conditions exist in the vadose zone. If sufficient oxygen is present along with appropriate soil moisture, nutrients, and pH conditions, volatile petroleum hydrocarbons can readily biodegrade in the vadose zone. To evaluate the vapor intrusion of petroleum hydrocarbons, the California State Water Resources Control Board’s updated Leaking Underground Fuel Tank [LUFT] Guidance Manual should be followed in conjunction with the procedures with this Guidance.”

The LUFT Guidance Manual - September 2012, Updated December 2015, includes extensive discussion of bioattenuation for petroleum hydrocarbons including benzene and ethylbenzene. The guidance indicates that a conservative 1,000-fold “bioattenuation factor” of petroleum vapors is assumed for a direct measurement of soil gas concentrations when the source is located more than 5 feet from a building foundation. Additionally, the volatile analytes expected to naturally attenuate over time through volatilization and bioattenuation. The toxicity/screening values assume a long-term exposure of 30 years (for residential exposure), which does not take this degradation into account. Therefore, the results presented in this report likely over-estimate the risk values.

The measured oxygen range within the Site (16% to 18% with an average detected concentration of 17%) is within the range of oxygen to support bioattenuation of benzene. Therefore, the conditions at the Site support the use of a minimum bioattenuation factor of 1,000 (or 0.001).

CONCLUSIONS

Previous Site Use

As noted above, the Site has been used for agricultural purposes for decades. Other than two small ASTs and a small historic UST, ENGEO did not identify any features or operations at the Site that would pose a vapor intrusion risk. Based on records searched, there is no evidence of the use of VOCs on the Site.

Regional Groundwater Conditions

Additionally, no VOCs were identified in the previous soil and groundwater sampling conducted at the Site in 2003 and 2021. In addition, based on a review of sites on the State Water Resources Control Board’s GeoTracker database, VOCs have not been identified in the monitoring wells in the vicinity of the Site.

Soil Gas Attenuation

Based on the data collected at the Site, there appears to be relatively low levels of VOCs in soil gas present in the subsurface soil, particularly in deep soil. The results indicate that concentrations are higher in deeper samples collected from 15 feet bgs and are non-detect or substantially lower in the samples collected at 5 feet bgs. Therefore, vapor impacts at the surface are not anticipated.

Proposed Development

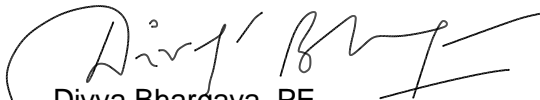
We anticipate that the proposed development of the Site will incorporate new residential construction over compacted soil with a 10-inch-thick to 12-inch-thick post-tension mat foundation for the apartment portion and a 5- to 6-inch slab for the townhomes portion, along with and moisture barriers. DTSC's attenuation factor of 0.001 is more representative of the future conditions at the Site than the US EPA's generic attenuation factor of 0.03.

The multiple lines of evidence indicate that the subsurface soil gas conditions do not pose a future risk to the planned detached development; therefore, no further investigations appear necessary. In addition, based on the results of this assessment, vapor mitigation is not required for the future residential structures.


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



Divya Bhargava, PE



Shawn Munger, CHG

db/sm/cjn

Attachments: Selected References
Figures 1 and 2
Table A – Summary of Soil Gas Analytical Results
Appendix A – Boring Logs
Appendix B – Torrent Laboratory, Inc., Analytical Laboratory Report

SELECTED REFERENCES

Department of Toxic Substances Control. Advisory Active Soil Gas Investigations. July 2015.

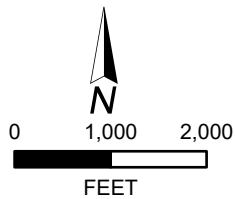
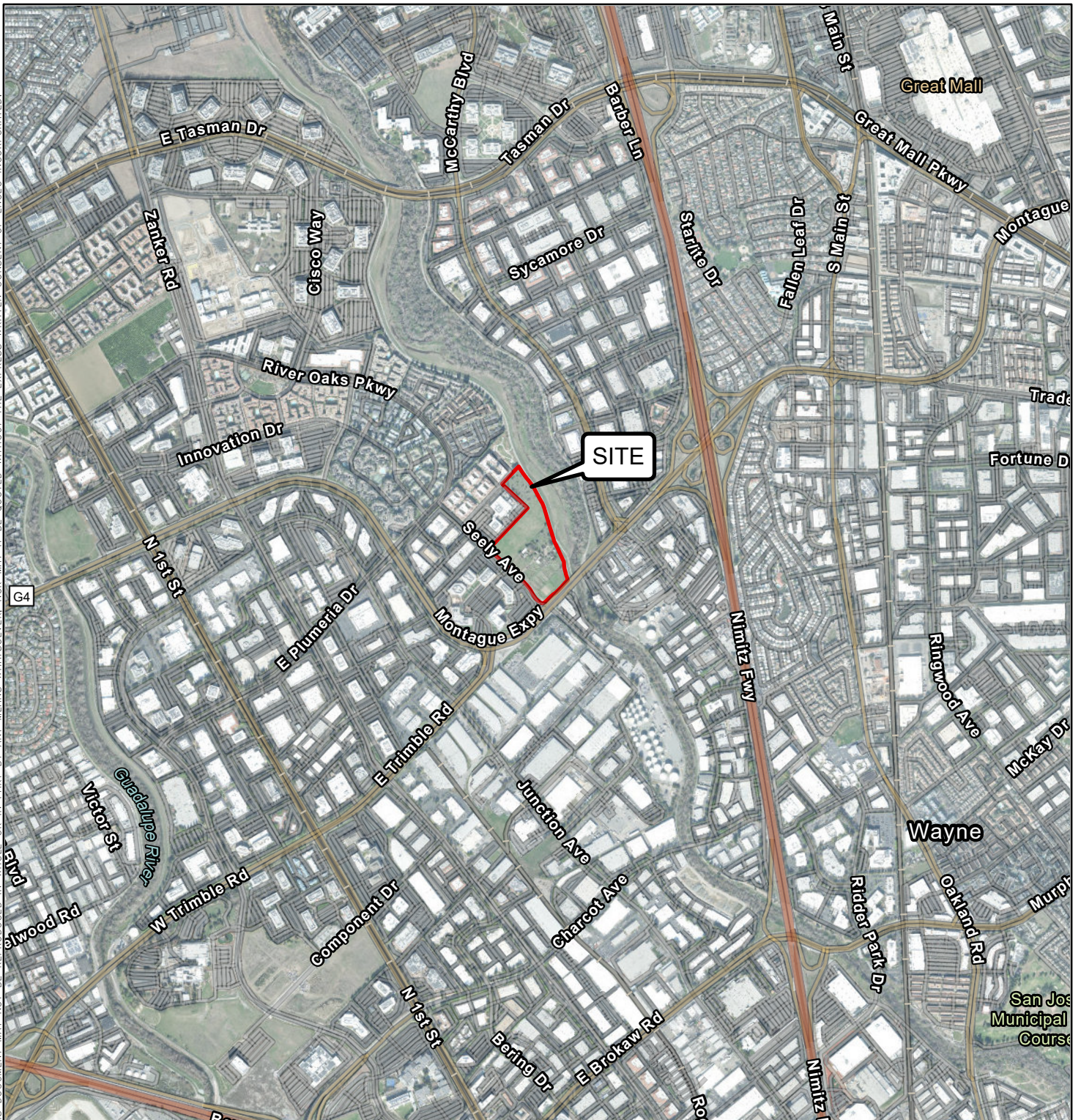
Department of Toxic Substances Control. Screening and Evaluating Vapor Intrusion, Draft for Public Comments. February 2020.

ENGEO. Soil Gas Sampling Work Plan, Trimble Road Parcels, San Jose, California. Project No. 18233.000.001. July 25, 2022, Revised August 4, 2022.

FIGURES

Figure 1: Vicinity Map
Figure 2: Site Plan

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BASEMAP SOURCE: ESRI MAPPING SERVICE 12/7/2020



VICINITY MAP
TRIMBLE ROAD PARCELS
SAN JOSE, CALIFORNIA

PROJECT NO. : 18233.000.001

SCALE: AS SHOWN

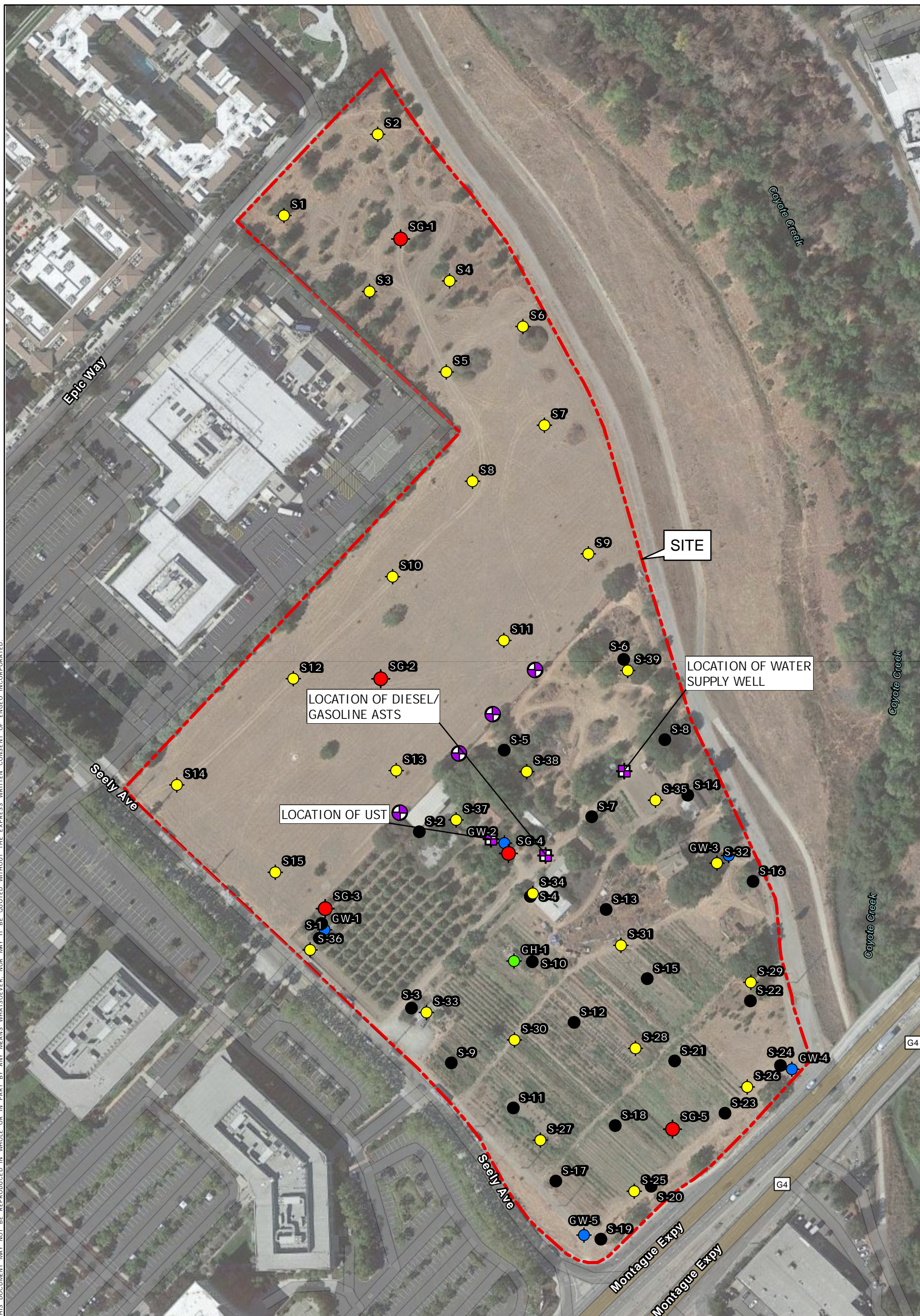
DRAWN BY: JV

CHECKED BY: SPM

FIGURE NO.

1

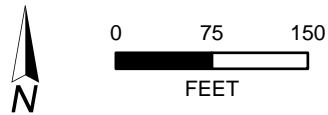
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EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- SOIL SAMPLE (SECOND ROUND)
- SOIL GAS SAMPLE (ENGEO, 2022)
- SURFACE SOIL SAMPLE (FIRST ROUND)
- SURFACE SAMPLE INSIDE GREENHOUSE (ENGEO, 2021)
- GROUNDWATER SAMPLE (ENGEO, 2021)
- ⊕ SOIL & GROUNDWATER SAMPLE (MFG, 2003)



*The UST is estimated to be a 200-gallon heating oil tank. The UST has not been used in 20 years and is believed to be empty.

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2021



SITE PLAN
TRIMBLE ROAD PARCELS
SAN JOSE, CALIFORNIA

PROJECT NO. : 18233.000.001	FIGURE NO.
SCALE: AS SHOWN	2
DRAWN BY: QRL	CHECKED BY: SPM

TABLE A
Summary of Soil Gas Analytical Results

Table A - Summary of Soil Gas Analytical Results

Sample ID	Sample Date	Oxygen	Vinyl Chloride	Carbon Disulfide	2-Propanol (Isopropyl Alcohol)	Acetone	Hexane	tert-Butanol	2-Butanone (MEK)	Ethyl Acetate	Tetrahydrofuran	Benzene	TCE	Toluene	4-Methyl-2-Pentanone (MIBK)	2-Hexanone	Ethyl Benzene	m,p-Xylene	o-Xylene	Styrene
		%	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
RWQCB Subslab/Soil Gas Residential ESLs ¹		--	0.32	--	--	1,100,000	--	--	170,000	--	--	3.2	16	10,000	100,000	--	37	--	--	31,000
DTSC Screening Level with 0.03 AF		--	0.32	--	--	--	--	--	--	--	--	3.2	16 ⁴	10,000	--	--	--	--	--	31,000
DTSC Screening Level with 0.001 AF		--	9.5	--	--	--	--	--	--	--	--	97	480 ⁵	310,000	--	--	--	--	--	940,000
SG-5 @ 5'	8/24/2022	18	<0.27	6.2	23	130	12	56	47	<0.57	<0.54	8	9.3	7.7	<0.9	52	<0.76	<1.2	<0.36	<0.56
SG-5 @ 15'	8/24/2022	17	<0.27	7.2	<1.5	100	15	32	35	<0.57	<0.54	12	15	10	<0.9	24	<0.76	<1.2	<0.36	<0.56
SG-4 @ 5'	8/24/2022	16	<0.27	<0.45	<1.5	61	<0.56	1.8	10	6.8	<0.54	<0.52	<0.97	<0.9	4.3	6.8	<0.76	<1.2	<0.36	<0.56
SG-4 @ 15'	8/24/2022	17	<0.27	1.8	<1.5	50	3.1	<0.74	13	<0.57	<0.54	4	<0.97	4.8	<0.9	<0.78	<0.76	<1.2	<0.36	<0.56
SG-3 @ 5'	8/24/2022	17	<0.27	<0.45	<1.5	30	<0.56	6.4	9.7	<0.57	<0.54	2.3	<0.97	2.2	<0.9	4.7	<0.76	<1.2	<0.36	<0.56
SG-3 @ 15'	8/24/2022	17	1.6	6.1	520	130	10	4.0	42	<0.57	<0.54	18	52	18	9.9	8.7	3.8	4.8	2.2	2.1
SG-2 @ 5'	8/25/2022	18	<0.27	<0.45	<1.5	97	<0.56	<0.74	15	<0.57	<0.54	<0.52	<0.97	<0.9	5.0	18	<0.76	<1.2	<0.36	<0.56
SG-2 @ 15'	8/25/2022	17	<0.27	6.9	25	600	18	12	110	<0.57	69	27	54	34	15	6.0	5.9	8.5	<0.36	<0.56
SG-1 @ 5'	8/25/2022	16	<0.27	<0.45	<1.5	58	<0.56	3.5	12	1.8	<0.54	2.5	<0.97	1.9	5.0	6.3	<0.76	<1.2	<0.36	<0.56
SG-1 @ 15'	8/25/2022	17	8.6	9.1	58	290	43	9.5	82	<0.57	<0.54	63	150	50	23	17	11	12	<0.36	<0.56

Notes:

RWQCB - San Francisco Regional Water Quality Control Board

ND - Not Detected Above Indicated Laboratory Reporting Limit

µg/m³ - Micrograms per cubic meter

-- Screening Level Not Established

Highlighted values exceed the RWQCB ESLs and the DTSC SL with a 0.03 attenuation factor

None of the values exceed the DTSC SL with a 0.001 attenuation factor

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

² - DTSC HERO Note 3, Table 3, DTSC Recommended SLs for Ambient Air Analytes – Residential Air. Attenuation Factor of 0.03 applied for soil gas screening levels.

³ - DTSC HERO Note 3, Table 3, DTSC Recommended SLs for Ambient Air Analytes – Residential Air. Attenuation Factor of 0.001 applied for soil gas screening levels.

⁴ - USEPA Regional Screening Levels (RSLs), Summary Table dated May 2022 (used where DTSC values were not available). Attenuation Factor of 0.03 applied for soil gas screening levels.

⁵ - USEPA Regional Screening Levels (RSLs), Summary Table dated May 2022 (used where DTSC values were not available). Attenuation Factor of 0.03 applied for soil gas screening levels.

APPENDIX A

**Key to Boring Logs
Boring Logs**

KEY TO BORING LOGS

MAJOR TYPES		DESCRIPTION	
COARSE-GRAINED SOILS MORE THAN HALF OF MAT'L LARGER THAN #200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS WITH LESS THAN 5% FINES	GW - Well graded gravels or gravel-sand mixtures GP - Poorly graded gravels or gravel-sand mixtures
		GRAVELS WITH OVER 12 % FINES	GM - Silty gravels, gravel-sand and silt mixtures GC - Clayey gravels, gravel-sand and clay mixtures
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	CLEAN SANDS WITH LESS THAN 5% FINES	SW - Well graded sands, or gravelly sand mixtures SP - Poorly graded sands or gravelly sand mixtures
		SANDS WITH OVER 12 % FINES	SM - Silty sand, sand-silt mixtures SC - Clayey sand, sand-clay mixtures
FINE-GRAINED SOILS MORE THAN HALF OF MAT'L SMALLER THAN #200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50 % OR LESS		ML - Inorganic silt with low to medium plasticity CL - Inorganic clay with low to medium plasticity OL - Low plasticity organic silts and clays
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50 %		MH - Elastic silt with high plasticity CH - Fat clay with high plasticity OH - Highly plastic organic silts and clays
	HIGHLY ORGANIC SOILS		PT - Peat and other highly organic soils

For fine-grained soils with 15 to 29% retained on the #200 sieve, the words "with sand" or "with gravel" (whichever is predominant) are added to the group name.

For fine-grained soil with >30% retained on the #200 sieve, the words "sandy" or "gravelly" (whichever is predominant) are added to the group name.

GRAIN SIZES

U.S. STANDARD SERIES SIEVE SIZE				CLEAR SQUARE SIEVE OPENINGS				
	200	40	10	4	3/4 "	3"	12"	
SILTS AND CLAYS	SAND			GRAVEL			COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE			

RELATIVE DENSITY

<u>SANDS AND GRAVELS</u>	BLOWS/FOOT (S.P.T.)
VERY LOOSE	0-4
LOOSE	4-10
MEDIUM DENSE	10-30
DENSE	30-50
VERY DENSE	OVER 50

CONSISTENCY

<u>SILTS AND CLAYS</u>	<u>STRENGTH*</u>
VERY SOFT	0-1/4
SOFT	1/4-1/2
MEDIUM STIFF	1/2-1
STIFF	1-2
VERY STIFF	2-4
HARD	OVER 4

MOISTURE CONDITION

DRY	Dusty, dry to touch
MOIST	Damp but no visible water
WET	Visible freewater

LINE TYPES

—————	Solid - Layer Break
-----	Dashed - Gradational or approximate layer break

GROUNDWATER SYMBOLS

	Groundwater level during drilling
	Stabilized groundwater level

SAMPLER SYMBOLS

	Modified California (3" O.D.) sampler
	California (2.5" O.D.) sampler
	S.P.T. - Split spoon sampler
	Shelby Tube
	Dames and Moore Piston
	Continuous Core
	Bag Samples
	Grab Samples
NR	No Recovery

(S.P.T.) Number of blows of 140 lb. hammer falling 30" to drive a 2-inch O.D. (1-3/8 inch I.D.) sampler

* Unconfined compressive strength in tons/sq. ft., asterisk on log means determined by pocket penetrometer





LOG OF PROBE SG-1

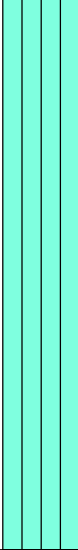

LATITUDE: 37.236

LONGITUDE: -121.5506

Phase Two ESA
Trimble Parcels
San Jose, California
18233.000.001

DATE DRILLED: 8/24/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 35 ft.

LOGGED / REVIEWED BY: W. Hunsdale / Divya Bhargava
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
0.0	0.0		SILT (ML), light brown, moist, low plasticity					
7.5	2.3		LEAN CLAY (CL), brown mottled with dark grayish brown, moist, medium plasticity					
15.0	4.6		Bottom of boring at 15 feet bgs. Boring backfilled with 2' sandpack screen due to stiff material followed by 13' of hydrated bentonite.					

LOG - ENVIRONMENTAL + PROBE 681 TRIMBLE BORING LOGS.GPJ ENGEO INC.GDT 8/29/22



LOG OF PROBE SG-2

LATITUDE: 37.2352

LONGITUDE: -121.5505

Phase Two ESA
Trimble Parcels
San Jose, California
18233.000.001

DATE DRILLED: 8/24/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 39 ft.

LOGGED / REVIEWED BY: W. Hunsdale / Divya Bhargava
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
0.0	0.0		SILT (ML), light brown, dry, low plasticity					
2.5	0.76	1						
5.0	1.52		LEAN CLAY (CL), brown, moist, medium plasticity					
7.5	2.28	2						
10.0	3.05	3						
12.5	3.81		FAT CLAY (CH), brown to dark brown, stiff, moist, high plasticity					
15.0	4.57	4						
			Bottom of boring at 15 feet bgs. Boring backfilled with 2' sandpack screen due to stiff material followed by 13' of hydrated bentonite.					

LOG - ENVIRONMENTAL + PROBE 681 TRIMBLE BORING LOGS.GPJ ENGEO INC.GDT 8/29/22



LOG OF PROBE SG-3

LATITUDE: 37.2348

LONGITUDE: -121.5506

Phase Two ESA
Trimble Parcels
San Jose, California
18233.000.001

DATE DRILLED: 8/25/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 35 ft.

LOGGED / REVIEWED BY: W. Hunsdale / Divya Bhargava
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
0.0	0.0		SILT (ML), light brown to brown, loose, slightly moist, low plasticity					
2.5	0.76	1						
5.0	1.52	2						
7.5	2.28							
10.0	3.05	3	FAT (CH), dark grayish brown, stiff, moist, high plasticity					
12.5	3.81	4						
15.0	4.57		Bottom of boring at 15 feet bgs. Boring backfilled with 2' sandpack screen due to stiff material followed by 13' of hydrated bentonite.					

LOG - ENVIRONMENTAL + PROBE 681 TRIMBLE BORING LOGS.GPJ ENGEO INC.GDT 8/29/22



LOG OF PROBE SG-4

LATITUDE: 37.2349

LONGITUDE: -121.5502

Phase Two ESA
Trimble Parcels
San Jose, California
18233.000.001

DATE DRILLED: 8/25/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 39 ft.

LOGGED / REVIEWED BY: W. Hunsdale / Divya Bhargava
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
0.0	0.0		SILT (ML), light brown, loose, dry, low plasticity					
2.5	0.76							
5.0	1.52							
7.5	2.28		LEAN CLAY (CL), brown, slightly moist, medium plasticity					
10.0	3.05		Moist					
12.5	3.81		FAT CLAY (CH), dark brown mottled with dark grayish brown, stiff, moist, high plasticity					
15.0	4.57		Bottom of boring at 15 feet bgs. Boring backfilled with 2' sandpack screen due to stiff material followed by 13' of hydrated bentonite.					

LOG - ENVIRONMENTAL + PROBE 681 TRIMBLE BORING LOGS.GPJ ENGEO INC.GDT 8/29/22



LOG OF PROBE SG-5

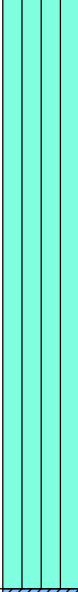


LATITUDE: 37.2345

LONGITUDE: -121.5459

Phase Two ESA
Trimble Parcels
San Jose, California
18233.000.001

DATE DRILLED: 8/25/2022
HOLE DEPTH: 15 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (EGM96): 38 ft.

LOGGED / REVIEWED BY: W. Hunsdale / Divya Bhargava
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
0.0	0.0		SILT (ML), brown, dry, low plasticity					
0.5	0.15		Trace coarse subangular gravel					
1.0	0.3		Moist					
2.5	0.75							
5.0	1.5							
7.5	2.25		LEAN CLAY (CL), brown, moist, medium plasticity					
10.0	3.0							
12.5	3.75		FAT CLAY (CH), dark grayish brown, moist, high plasticity					
15.0	4.5		Bottom of boring at 15 feet bgs. Boring backfilled with 2' sandpack screen due to stiff material followed by 13' of hydrated bentonite.					

LOG - ENVIRONMENTAL + PROBE 681 TRIMBLE BORING LOGS.GPJ ENGEO INC.GDT 8/29/22

APPENDIX B

Torrent Laboratory, Inc.

Laboratory Analytical Report



Engeo Inc (SJ)
6399 San Ignacio Ave, Suite 150
San Jose, California 95119
Tel: 408-574-4900
Fax: 888-279-2698
RE: Trimble Rd Parcels

Work Order No.: 2208205

Dear Divya Bhargava:

Torrent Laboratory, Inc. received 10 sample(s) on August 25, 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 02, 2022

Date



Date: 9/2/2022

Client: Engeo Inc (SJ)

Project: Trimble Rd Parcels

Work Order: 2208205

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.



Sample Result Summary

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date Received: 08/25/22

Date Reported: 09/02/22

SG-5 @ 5'

2208205-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	16	0.17	0.80	18%
Carbon Disulfide	ETO15	1.2	0.45	1.9	6.2
2-Propanol (Isopropyl Alcohol)	ETO15	1.2	1.5	15	23
Acetone	ETO15	1.2	0.47	14	130
Hexane	ETO15	1.2	0.56	2.1	12
tert-Butanol	ETO15	1.2	0.74	1.8	56
2-Butanone (MEK)	ETO15	1.2	0.47	1.8	47
Benzene	ETO15	1.2	0.52	1.9	8.0
Trichloroethylene	ETO15	1.2	0.97	3.2	9.3
Toluene	ETO15	1.2	0.90	2.3	7.7
2-Hexanone	ETO15	1.2	0.78	2.5	52

SG-5 @ 15'

2208205-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	17.8	0.19	0.89	17%
Carbon Disulfide	ETO15	1	0.37	1.6	7.2
Acetone	ETO15	1	0.40	12	100
Hexane	ETO15	1	0.46	1.8	15
tert-Butanol	ETO15	1	0.62	1.5	32
2-Butanone (MEK)	ETO15	1	0.39	1.5	35
Benzene	ETO15	1	0.44	1.6	12
Trichloroethylene	ETO15	1	0.81	2.7	15
Toluene	ETO15	1	0.75	1.9	10
2-Hexanone	ETO15	1	0.65	2.1	24

SG-4 @ 5'

2208205-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	17.7	0.19	0.89	16%
Acetone	ETO15	1.1	0.43	13	61
tert-Butanol	ETO15	1.1	0.68	1.7	1.8
2-Butanone (MEK)	ETO15	1.1	0.43	1.6	10
Ethyl Acetate	ETO15	1.1	0.52	2.0	6.8
4-Methyl-2-Pentanone (MIBK)	ETO15	1.1	0.82	2.3	4.3
2-Hexanone	ETO15	1.1	0.72	2.3	16



Sample Result Summary

Report prepared for: Divya Bhargava
 Engeo Inc (SJ)

Date Received: 08/25/22

Date Reported: 09/02/22

SG-4 @15'

2208205-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	15.4	0.16	0.77	17%
Carbon Disulfide	ETO15	1	0.37	1.6	1.8
Acetone	ETO15	1	0.40	12	50
Hexane	ETO15	1	0.46	1.8	3.1
2-Butanone (MEK)	ETO15	1	0.39	1.5	13
Benzene	ETO15	1	0.44	1.6	4.0
Toluene	ETO15	1	0.75	1.9	4.8

SG-3 @ 5'

2208205-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	2.5	0.026	0.13	17%
Acetone	ETO15	1	0.40	12	30
tert-Butanol	ETO15	1	0.62	1.5	6.4
2-Butanone (MEK)	ETO15	1	0.39	1.5	9.7
Benzene	ETO15	1	0.44	1.6	2.3
Toluene	ETO15	1	0.75	1.9	2.2
2-Hexanone	ETO15	1	0.65	2.1	4.7

SG-3 @ 15'

2208205-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	17.7	0.19	0.89	17%
Vinyl Chloride	ETO15	1	0.23	1.3	1.6
Carbon Disulfide	ETO15	1	0.37	1.6	6.1
2-Propanol (Isopropyl Alcohol)	ETO15	1	1.3	12	520
Acetone	ETO15	1	0.40	12	130
Hexane	ETO15	1	0.46	1.8	10
tert-Butanol	ETO15	1	0.62	1.5	4.0
2-Butanone (MEK)	ETO15	1	0.39	1.5	42
Benzene	ETO15	1	0.44	1.6	18
Trichloroethylene	ETO15	1	0.81	2.7	52
Toluene	ETO15	1	0.75	1.9	18
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.75	2.1	9.9
2-Hexanone	ETO15	1	0.65	2.1	8.7
Ethyl Benzene	ETO15	1	0.63	2.2	3.8
m,p-Xylene	ETO15	1	0.98	2.2	4.8
o-Xylene	ETO15	1	0.30	2.2	2.2
Styrene	ETO15	1	0.46	2.1	2.1



Sample Result Summary

Report prepared for: Divya Bhargava
 Engeo Inc (SJ)

Date Received: 08/25/22

Date Reported: 09/02/22

SG-2 @ 5'

2208205-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	11.9	0.13	0.60	18%
Acetone	ETO15	1	0.40	12	97
2-Butanone (MEK)	ETO15	1	0.39	1.5	15
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.75	2.1	5.0
2-Hexanone	ETO15	1	0.65	2.1	18

SG-2 @ 15'

2208205-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	10.2	0.11	0.51	17%
Carbon Disulfide	ETO15	1.8	0.67	2.8	6.9
2-Propanol (Isopropyl Alcohol)	ETO15	1.8	2.3	22	25
Acetone	ETO15	1.8	0.71	21	600
Hexane	ETO15	1.8	0.84	3.2	18
tert-Butanol	ETO15	1.8	1.1	2.7	12
2-Butanone (MEK)	ETO15	1.8	0.70	2.7	110
Tetrahydrofuran	ETO15	1.8	0.81	2.7	69
Benzene	ETO15	1.8	0.79	2.9	27
Trichloroethylene	ETO15	1.8	1.5	4.8	54
Toluene	ETO15	1.8	1.4	3.4	34
4-Methyl-2-Pentanone (MIBK)	ETO15	1.8	1.3	3.7	15
2-Hexanone	ETO15	1.8	1.2	3.7	6.0
Ethyl Benzene	ETO15	1.8	1.1	3.9	5.9
m,p-Xylene	ETO15	1.8	1.8	3.9	8.5

SG-1 @ 5'

2208205-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	4.8	0.051	0.24	16%
Acetone	ETO15	1	0.40	12	58
tert-Butanol	ETO15	1	0.62	1.5	3.5
2-Butanone (MEK)	ETO15	1	0.39	1.5	12
Ethyl Acetate	ETO15	1	0.48	1.8	1.8
Benzene	ETO15	1	0.44	1.6	2.5
Toluene	ETO15	1	0.75	1.9	1.9
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.75	2.1	5.0
2-Hexanone	ETO15	1	0.65	2.1	6.3



Sample Result Summary

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date Received: 08/25/22

Date Reported: 09/02/22

SG-1 @ 15'

2208205-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Oxygen	D1946	11.8	0.12	0.59	17%
Vinyl Chloride	ETO15	2.9	0.65	3.7	8.6
Carbon Disulfide	ETO15	2.9	1.1	4.5	9.1
2-Propanol (Isopropyl Alcohol)	ETO15	2.9	3.7	36	58
Acetone	ETO15	2.9	1.1	35	290
Hexane	ETO15	2.9	1.3	5.1	43
tert-Butanol	ETO15	2.9	1.8	4.4	9.5
2-Butanone (MEK)	ETO15	2.9	1.1	4.3	82
Benzene	ETO15	2.9	1.3	4.6	63
Trichloroethylene	ETO15	2.9	2.3	7.8	150
Toluene	ETO15	2.9	2.2	5.5	50
4-Methyl-2-Pentanone (MIBK)	ETO15	2.9	2.2	5.9	23
2-Hexanone	ETO15	2.9	1.9	5.9	17
Ethyl Benzene	ETO15	2.9	1.8	6.3	11
m,p-Xylene	ETO15	2.9	2.8	6.3	12



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-5 @ 5'	Lab Sample ID:	2208205-001A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001		
Date/Time Sampled:	08/24/22 / 13:30	Certified Clean WO # :	
Canister/Tube ID:	6109	Received PSI :	11.4
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22 12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	16.00	0.17	0.80	18			09/01/22	13:54	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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	1.20	1.9	3.0	ND	ND		08/31/22	22:04	BA	468780
1,1-Difluoroethane	ETO15	1.20	0.41	16	ND	ND		08/31/22	22:04	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	1.20	1.7	4.2	ND	ND		08/31/22	22:04	BA	468780
Chloromethane	ETO15	1.20	2.5	5.0	ND	ND		08/31/22	22:04	BA	468780
Vinyl Chloride	ETO15	1.20	0.27	1.5	ND	ND		08/31/22	22:04	BA	468780
1,3-Butadiene	ETO15	1.20	0.41	1.3	ND	ND		08/31/22	22:04	BA	468780
Bromomethane	ETO15	1.20	0.79	2.3	ND	ND		08/31/22	22:04	BA	468780
Chloroethane	ETO15	1.20	0.98	1.6	ND	ND		08/31/22	22:04	BA	468780
Trichlorofluoromethane	ETO15	1.20	0.67	3.4	ND	ND		08/31/22	22:04	BA	468780
1,1-Dichloroethene	ETO15	1.20	0.99	2.4	ND	ND		08/31/22	22:04	BA	468780
Freon 113	ETO15	1.20	1.2	4.6	ND	ND		08/31/22	22:04	BA	468780
Carbon Disulfide	ETO15	1.20	0.45	1.9	6.2	1.99		08/31/22	22:04	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	1.20	1.5	15	23	9.35		08/31/22	22:04	BA	468780
Methylene Chloride	ETO15	1.20	0.84	12	ND	ND		08/31/22	22:04	BA	468780
Acetone	ETO15	1.20	0.47	14	130	54.62		08/31/22	22:04	BA	468780
trans-1,2-Dichloroethene	ETO15	1.20	0.57	2.4	ND	ND		08/31/22	22:04	BA	468780
Hexane	ETO15	1.20	0.56	2.1	12	3.41		08/31/22	22:04	BA	468780
MTBE	ETO15	1.20	0.53	2.2	ND	ND		08/31/22	22:04	BA	468780
tert-Butanol	ETO15	1.20	0.74	1.8	56	18.48		08/31/22	22:04	BA	468780
Diisopropyl ether (DIPE)	ETO15	1.20	0.88	2.5	ND	ND		08/31/22	22:04	BA	468780
1,1-Dichloroethane	ETO15	1.20	0.65	2.4	ND	ND		08/31/22	22:04	BA	468780
ETBE	ETO15	1.20	0.39	2.5	ND	ND		08/31/22	22:04	BA	468780
cis-1,2-Dichloroethene	ETO15	1.20	1.00	2.4	ND	ND		08/31/22	22:04	BA	468780
Chloroform	ETO15	1.20	1.2	2.9	ND	ND		08/31/22	22:04	BA	468780
Vinyl Acetate	ETO15	1.20	0.91	2.1	ND	ND		08/31/22	22:04	BA	468780
Carbon Tetrachloride	ETO15	1.20	1.3	3.8	ND	ND		08/31/22	22:04	BA	468780
1,1,1-Trichloroethane	ETO15	1.20	0.95	3.3	ND	ND		08/31/22	22:04	BA	468780
2-Butanone (MEK)	ETO15	1.20	0.47	1.8	47	15.93		08/31/22	22:04	BA	468780
Ethyl Acetate	ETO15	1.20	0.57	2.2	ND	ND		08/31/22	22:04	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-5 @ 5'	Lab Sample ID:	2208205-001A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/24/22 / 13:30	Received PSI :	11.4
Canister/Tube ID:	6109	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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	1.20	0.54	1.8	ND	ND		08/31/22	22:04	BA	468780
Benzene	ETO15	1.20	0.52	1.9	8.0	2.51		08/31/22	22:04	BA	468780
TAME	ETO15	1.20	0.81	2.5	ND	ND		08/31/22	22:04	BA	468780
1,2-Dichloroethane (EDC)	ETO15	1.20	0.51	2.4	ND	ND		08/31/22	22:04	BA	468780
Trichloroethylene	ETO15	1.20	0.97	3.2	9.3	1.73		08/31/22	22:04	BA	468780
1,2-Dichloropropane	ETO15	1.20	0.91	2.8	ND	ND		08/31/22	22:04	BA	468780
Bromodichloromethane	ETO15	1.20	0.89	4.0	ND	ND		08/31/22	22:04	BA	468780
1,4-Dioxane	ETO15	1.20	2.2	4.3	ND	ND		08/31/22	22:04	BA	468780
trans-1,3-Dichloropropene	ETO15	1.20	1.3	2.7	ND	ND		08/31/22	22:04	BA	468780
Toluene	ETO15	1.20	0.90	2.3	7.7	2.04		08/31/22	22:04	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	1.20	0.90	2.5	ND	ND		08/31/22	22:04	BA	468780
cis-1,3-Dichloropropene	ETO15	1.20	0.51	2.7	ND	ND		08/31/22	22:04	BA	468780
Tetrachloroethylene	ETO15	1.20	1.7	4.1	ND	ND		08/31/22	22:04	BA	468780
1,1,2-Trichloroethane	ETO15	1.20	0.70	3.3	ND	ND		08/31/22	22:04	BA	468780
Dibromochloromethane	ETO15	1.20	1.3	5.1	ND	ND		08/31/22	22:04	BA	468780
1,2-Dibromoethane (EDB)	ETO15	1.20	0.88	4.6	ND	ND		08/31/22	22:04	BA	468780
2-Hexanone	ETO15	1.20	0.78	2.5	52	12.68		08/31/22	22:04	BA	468780
Ethyl Benzene	ETO15	1.20	0.76	2.6	ND	ND		08/31/22	22:04	BA	468780
Chlorobenzene	ETO15	1.20	0.72	2.8	ND	ND		08/31/22	22:04	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	1.20	1.0	4.1	ND	ND		08/31/22	22:04	BA	468780
m,p-Xylene	ETO15	1.20	1.2	2.6	ND	ND		08/31/22	22:04	BA	468780
o-Xylene	ETO15	1.20	0.36	2.6	ND	ND		08/31/22	22:04	BA	468780
Styrene	ETO15	1.20	0.56	2.6	ND	ND		08/31/22	22:04	BA	468780
Bromoform	ETO15	1.20	1.6	6.2	ND	ND		08/31/22	22:04	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	1.20	0.98	4.1	ND	ND		08/31/22	22:04	BA	468780
4-Ethyl Toluene	ETO15	1.20	0.66	3.0	ND	ND		08/31/22	22:04	BA	468780
1,3,5-Trimethylbenzene	ETO15	1.20	0.36	3.0	ND	ND		08/31/22	22:04	BA	468780
1,2,4-Trimethylbenzene	ETO15	1.20	0.71	3.0	ND	ND		08/31/22	22:04	BA	468780
1,4-Dichlorobenzene	ETO15	1.20	0.89	3.6	ND	ND		08/31/22	22:04	BA	468780
1,3-Dichlorobenzene	ETO15	1.20	1.6	3.6	ND	ND		08/31/22	22:04	BA	468780
1,2-Dichlorobenzene	ETO15	1.20	1.3	3.6	ND	ND		08/31/22	22:04	BA	468780
Hexachlorobutadiene	ETO15	1.20	2.2	6.4	ND	ND		08/31/22	22:04	BA	468780
1,2,4-Trichlorobenzene	ETO15	1.20	2.6	4.5	ND	ND		08/31/22	22:04	BA	468780
Naphthalene	ETO15	1.20	1.5	3.1	ND	ND		08/31/22	22:04	BA	468780
(S) 4-Bromofluorobenzene	ETO15	1.20	50	150	92 %			08/31/22	22:04	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-5 @ 15'	Lab Sample ID:	2208205-002A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001		
Date/Time Sampled:	08/24/22 / 13:39	Certified Clean WO # :	
Canister/Tube ID:	A12202	Received PSI :	7.1
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22 12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	17.80	0.19	0.89	17			09/01/22	14:21	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	6:31	BA	468780
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/01/22	6:31	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/01/22	6:31	BA	468780
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/01/22	6:31	BA	468780
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/01/22	6:31	BA	468780
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/01/22	6:31	BA	468780
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/01/22	6:31	BA	468780
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/01/22	6:31	BA	468780
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/01/22	6:31	BA	468780
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	6:31	BA	468780
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/01/22	6:31	BA	468780
Carbon Disulfide	ETO15	1.00	0.37	1.6	7.2	2.32		09/01/22	6:31	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/01/22	6:31	BA	468780
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/01/22	6:31	BA	468780
Acetone	ETO15	1.00	0.40	12	100	42.02		09/01/22	6:31	BA	468780
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/01/22	6:31	BA	468780
Hexane	ETO15	1.00	0.46	1.8	15	4.26		09/01/22	6:31	BA	468780
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/01/22	6:31	BA	468780
tert-Butanol	ETO15	1.00	0.62	1.5	32	10.56		09/01/22	6:31	BA	468780
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/01/22	6:31	BA	468780
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/01/22	6:31	BA	468780
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/01/22	6:31	BA	468780
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	6:31	BA	468780
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/01/22	6:31	BA	468780
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/01/22	6:31	BA	468780
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/01/22	6:31	BA	468780
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/01/22	6:31	BA	468780
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	35	11.86		09/01/22	6:31	BA	468780
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/01/22	6:31	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-5 @ 15'	Lab Sample ID:	2208205-002A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001		
Date/Time Sampled:	08/24/22 / 13:39	Certified Clean WO # :	
Canister/Tube ID:	A12202	Received PSI :	7.1
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	6:31	BA	468780
Benzene	ETO15	1.00	0.44	1.6	12	3.76		09/01/22	6:31	BA	468780
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/01/22	6:31	BA	468780
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/01/22	6:31	BA	468780
Trichloroethylene	ETO15	1.00	0.81	2.7	15	2.79		09/01/22	6:31	BA	468780
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/01/22	6:31	BA	468780
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/01/22	6:31	BA	468780
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/01/22	6:31	BA	468780
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/01/22	6:31	BA	468780
Toluene	ETO15	1.00	0.75	1.9	10	2.65		09/01/22	6:31	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/01/22	6:31	BA	468780
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/01/22	6:31	BA	468780
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		09/01/22	6:31	BA	468780
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/01/22	6:31	BA	468780
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/01/22	6:31	BA	468780
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/01/22	6:31	BA	468780
2-Hexanone	ETO15	1.00	0.65	2.1	24	5.85		09/01/22	6:31	BA	468780
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		09/01/22	6:31	BA	468780
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/01/22	6:31	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/01/22	6:31	BA	468780
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		09/01/22	6:31	BA	468780
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		09/01/22	6:31	BA	468780
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/01/22	6:31	BA	468780
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/01/22	6:31	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/01/22	6:31	BA	468780
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/01/22	6:31	BA	468780
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/01/22	6:31	BA	468780
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/01/22	6:31	BA	468780
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/01/22	6:31	BA	468780
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/01/22	6:31	BA	468780
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/01/22	6:31	BA	468780
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/01/22	6:31	BA	468780
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/01/22	6:31	BA	468780
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/01/22	6:31	BA	468780
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	98 %			09/01/22	6:31	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-4 @ 5'	Lab Sample ID:	2208205-003A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001		
Date/Time Sampled:	08/24/22 / 14:17	Certified Clean WO # :	
Canister/Tube ID:	A12261	Received PSI :	11.7
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22 12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	17.70	0.19	0.89	16			09/01/22	14:48	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/30/22 3:30:00PM
Prep Batch ID: 1144498	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	1.10	1.7	2.7	ND	ND		08/31/22	14:25	BA	468764
1,1-Difluoroethane	ETO15	1.10	0.38	15	ND	ND		08/31/22	14:25	BA	468764
1,2-Dichlorotetrafluoroethane	ETO15	1.10	1.5	3.8	ND	ND		08/31/22	14:25	BA	468764
Chloromethane	ETO15	1.10	2.3	4.6	ND	ND		08/31/22	14:25	BA	468764
Vinyl Chloride	ETO15	1.10	0.25	1.4	ND	ND		08/31/22	14:25	BA	468764
1,3-Butadiene	ETO15	1.10	0.37	1.2	ND	ND		08/31/22	14:25	BA	468764
Bromomethane	ETO15	1.10	0.72	2.1	ND	ND		08/31/22	14:25	BA	468764
Chloroethane	ETO15	1.10	0.89	1.5	ND	ND		08/31/22	14:25	BA	468764
Trichlorofluoromethane	ETO15	1.10	0.61	3.1	ND	ND		08/31/22	14:25	BA	468764
1,1-Dichloroethene	ETO15	1.10	0.91	2.2	ND	ND		08/31/22	14:25	BA	468764
Freon 113	ETO15	1.10	1.1	4.2	ND	ND		08/31/22	14:25	BA	468764
Carbon Disulfide	ETO15	1.10	0.41	1.7	ND	ND		08/31/22	14:25	BA	468764
2-Propanol (Isopropyl Alcohol)	ETO15	1.10	1.4	14	ND	ND		08/31/22	14:25	BA	468764
Methylene Chloride	ETO15	1.10	0.77	11	ND	ND		08/31/22	14:25	BA	468764
Acetone	ETO15	1.10	0.43	13	61	25.63		08/31/22	14:25	BA	468764
trans-1,2-Dichloroethene	ETO15	1.10	0.52	2.2	ND	ND		08/31/22	14:25	BA	468764
Hexane	ETO15	1.10	0.51	1.9	ND	ND		08/31/22	14:25	BA	468764
MTBE	ETO15	1.10	0.49	2.0	ND	ND		08/31/22	14:25	BA	468764
tert-Butanol	ETO15	1.10	0.68	1.7	1.8	0.59		08/31/22	14:25	BA	468764
Diisopropyl ether (DIPE)	ETO15	1.10	0.81	2.3	ND	ND		08/31/22	14:25	BA	468764
1,1-Dichloroethane	ETO15	1.10	0.60	2.2	ND	ND		08/31/22	14:25	BA	468764
ETBE	ETO15	1.10	0.36	2.3	ND	ND		08/31/22	14:25	BA	468764
cis-1,2-Dichloroethene	ETO15	1.10	0.91	2.2	ND	ND		08/31/22	14:25	BA	468764
Chloroform	ETO15	1.10	1.1	2.7	ND	ND		08/31/22	14:25	BA	468764
Vinyl Acetate	ETO15	1.10	0.83	1.9	ND	ND		08/31/22	14:25	BA	468764
Carbon Tetrachloride	ETO15	1.10	1.2	3.5	ND	ND		08/31/22	14:25	BA	468764
1,1,1-Trichloroethane	ETO15	1.10	0.87	3.0	ND	ND		08/31/22	14:25	BA	468764
2-Butanone (MEK)	ETO15	1.10	0.43	1.6	10	3.39		08/31/22	14:25	BA	468764
Ethyl Acetate	ETO15	1.10	0.52	2.0	6.8	1.89		08/31/22	14:25	BA	468764



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-4 @ 5'	Lab Sample ID:	2208205-003A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/24/22 / 14:17	Received PSI :	11.7
Canister/Tube ID:	A12261	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/30/22 3:30:00PM
Prep Batch ID: 1144498	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	1.10	0.49	1.6	ND	ND		08/31/22	14:25	BA	468764
Benzene	ETO15	1.10	0.48	1.8	ND	ND		08/31/22	14:25	BA	468764
TAME	ETO15	1.10	0.74	2.3	ND	ND		08/31/22	14:25	BA	468764
1,2-Dichloroethane (EDC)	ETO15	1.10	0.46	2.2	ND	ND		08/31/22	14:25	BA	468764
Trichloroethylene	ETO15	1.10	0.89	3.0	ND	ND		08/31/22	14:25	BA	468764
1,2-Dichloropropane	ETO15	1.10	0.84	2.5	ND	ND		08/31/22	14:25	BA	468764
Bromodichloromethane	ETO15	1.10	0.82	3.7	ND	ND		08/31/22	14:25	BA	468764
1,4-Dioxane	ETO15	1.10	2.0	4.0	ND	ND		08/31/22	14:25	BA	468764
trans-1,3-Dichloropropene	ETO15	1.10	1.2	2.5	ND	ND		08/31/22	14:25	BA	468764
Toluene	ETO15	1.10	0.83	2.1	ND	ND		08/31/22	14:25	BA	468764
4-Methyl-2-Pentanone (MIBK)	ETO15	1.10	0.82	2.3	4.3	1.05		08/31/22	14:25	BA	468764
cis-1,3-Dichloropropene	ETO15	1.10	0.46	2.5	ND	ND		08/31/22	14:25	BA	468764
Tetrachloroethylene	ETO15	1.10	1.6	3.7	ND	ND		08/31/22	14:25	BA	468764
1,1,2-Trichloroethane	ETO15	1.10	0.64	3.0	ND	ND		08/31/22	14:25	BA	468764
Dibromochloromethane	ETO15	1.10	1.2	4.7	ND	ND		08/31/22	14:25	BA	468764
1,2-Dibromoethane (EDB)	ETO15	1.10	0.81	4.2	ND	ND		08/31/22	14:25	BA	468764
2-Hexanone	ETO15	1.10	0.72	2.3	16	3.90		08/31/22	14:25	BA	468764
Ethyl Benzene	ETO15	1.10	0.69	2.4	ND	ND		08/31/22	14:25	BA	468764
Chlorobenzene	ETO15	1.10	0.66	2.5	ND	ND		08/31/22	14:25	BA	468764
1,1,1,2-Tetrachloroethane	ETO15	1.10	0.92	3.8	ND	ND		08/31/22	14:25	BA	468764
m,p-Xylene	ETO15	1.10	1.1	2.4	ND	ND		08/31/22	14:25	BA	468764
o-Xylene	ETO15	1.10	0.33	2.4	ND	ND		08/31/22	14:25	BA	468764
Styrene	ETO15	1.10	0.51	2.3	ND	ND		08/31/22	14:25	BA	468764
Bromoform	ETO15	1.10	1.4	5.7	ND	ND		08/31/22	14:25	BA	468764
1,1,2,2-Tetrachloroethane	ETO15	1.10	0.90	3.8	ND	ND		08/31/22	14:25	BA	468764
4-Ethyl Toluene	ETO15	1.10	0.60	2.7	ND	ND		08/31/22	14:25	BA	468764
1,3,5-Trimethylbenzene	ETO15	1.10	0.33	2.7	ND	ND		08/31/22	14:25	BA	468764
1,2,4-Trimethylbenzene	ETO15	1.10	0.65	2.7	ND	ND		08/31/22	14:25	BA	468764
1,4-Dichlorobenzene	ETO15	1.10	0.82	3.3	ND	ND		08/31/22	14:25	BA	468764
1,3-Dichlorobenzene	ETO15	1.10	1.5	3.3	ND	ND		08/31/22	14:25	BA	468764
1,2-Dichlorobenzene	ETO15	1.10	1.2	3.3	ND	ND		08/31/22	14:25	BA	468764
Hexachlorobutadiene	ETO15	1.10	2.0	5.9	ND	ND		08/31/22	14:25	BA	468764
1,2,4-Trichlorobenzene	ETO15	1.10	2.4	4.1	ND	ND		08/31/22	14:25	BA	468764
Naphthalene	ETO15	1.10	1.4	2.9	ND	ND		08/31/22	14:25	BA	468764
(S) 4-Bromofluorobenzene	ETO15	1.10	50	150	98 %			08/31/22	14:25	BA	468764



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-4 @15'	Lab Sample ID:	2208205-004A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/24/22 / 14:18	Received PSI :	9.8
Canister/Tube ID:	R3575	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22	12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	15.40	0.16	0.77	17			09/01/22	15:15	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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		08/31/22	23:41	BA	468780
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		08/31/22	23:41	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		08/31/22	23:41	BA	468780
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		08/31/22	23:41	BA	468780
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		08/31/22	23:41	BA	468780
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		08/31/22	23:41	BA	468780
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		08/31/22	23:41	BA	468780
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		08/31/22	23:41	BA	468780
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		08/31/22	23:41	BA	468780
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		08/31/22	23:41	BA	468780
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		08/31/22	23:41	BA	468780
Carbon Disulfide	ETO15	1.00	0.37	1.6	1.8	0.58		08/31/22	23:41	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		08/31/22	23:41	BA	468780
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		08/31/22	23:41	BA	468780
Acetone	ETO15	1.00	0.40	12	50	21.01		08/31/22	23:41	BA	468780
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		08/31/22	23:41	BA	468780
Hexane	ETO15	1.00	0.46	1.8	3.1	0.88		08/31/22	23:41	BA	468780
MTBE	ETO15	1.00	0.44	1.8	ND	ND		08/31/22	23:41	BA	468780
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		08/31/22	23:41	BA	468780
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		08/31/22	23:41	BA	468780
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		08/31/22	23:41	BA	468780
ETBE	ETO15	1.00	0.33	2.1	ND	ND		08/31/22	23:41	BA	468780
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		08/31/22	23:41	BA	468780
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		08/31/22	23:41	BA	468780
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		08/31/22	23:41	BA	468780
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		08/31/22	23:41	BA	468780
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		08/31/22	23:41	BA	468780
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	13	4.41		08/31/22	23:41	BA	468780
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		08/31/22	23:41	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-4 @15'	Lab Sample ID:	2208205-004A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/24/22 / 14:18	Received PSI :	9.8
Canister/Tube ID:	R3575	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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		08/31/22	23:41	BA	468780
Benzene	ETO15	1.00	0.44	1.6	4.0	1.25		08/31/22	23:41	BA	468780
TAME	ETO15	1.00	0.67	2.1	ND	ND		08/31/22	23:41	BA	468780
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		08/31/22	23:41	BA	468780
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		08/31/22	23:41	BA	468780
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		08/31/22	23:41	BA	468780
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		08/31/22	23:41	BA	468780
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		08/31/22	23:41	BA	468780
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		08/31/22	23:41	BA	468780
Toluene	ETO15	1.00	0.75	1.9	4.8	1.27		08/31/22	23:41	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		08/31/22	23:41	BA	468780
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		08/31/22	23:41	BA	468780
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		08/31/22	23:41	BA	468780
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		08/31/22	23:41	BA	468780
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		08/31/22	23:41	BA	468780
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		08/31/22	23:41	BA	468780
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		08/31/22	23:41	BA	468780
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		08/31/22	23:41	BA	468780
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		08/31/22	23:41	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		08/31/22	23:41	BA	468780
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		08/31/22	23:41	BA	468780
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		08/31/22	23:41	BA	468780
Styrene	ETO15	1.00	0.46	2.1	ND	ND		08/31/22	23:41	BA	468780
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		08/31/22	23:41	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		08/31/22	23:41	BA	468780
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		08/31/22	23:41	BA	468780
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		08/31/22	23:41	BA	468780
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		08/31/22	23:41	BA	468780
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		08/31/22	23:41	BA	468780
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		08/31/22	23:41	BA	468780
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		08/31/22	23:41	BA	468780
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		08/31/22	23:41	BA	468780
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		08/31/22	23:41	BA	468780
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		08/31/22	23:41	BA	468780
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	77 %			08/31/22	23:41	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-3 @ 5'	Lab Sample ID:	2208205-005A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/24/22 / 14:56	Received PSI :	11.4
Canister/Tube ID:	R3598	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22	12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	2.50	0.026	0.13	17			09/01/22	16:33	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	0:32	BA	468780
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/01/22	0:32	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/01/22	0:32	BA	468780
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/01/22	0:32	BA	468780
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/01/22	0:32	BA	468780
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/01/22	0:32	BA	468780
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/01/22	0:32	BA	468780
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/01/22	0:32	BA	468780
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/01/22	0:32	BA	468780
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	0:32	BA	468780
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/01/22	0:32	BA	468780
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		09/01/22	0:32	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/01/22	0:32	BA	468780
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/01/22	0:32	BA	468780
Acetone	ETO15	1.00	0.40	12	30	12.61		09/01/22	0:32	BA	468780
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/01/22	0:32	BA	468780
Hexane	ETO15	1.00	0.46	1.8	ND	ND		09/01/22	0:32	BA	468780
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/01/22	0:32	BA	468780
tert-Butanol	ETO15	1.00	0.62	1.5	6.4	2.11		09/01/22	0:32	BA	468780
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/01/22	0:32	BA	468780
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/01/22	0:32	BA	468780
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/01/22	0:32	BA	468780
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	0:32	BA	468780
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/01/22	0:32	BA	468780
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/01/22	0:32	BA	468780
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/01/22	0:32	BA	468780
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/01/22	0:32	BA	468780
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	9.7	3.29		09/01/22	0:32	BA	468780
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/01/22	0:32	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-3 @ 5'	Lab Sample ID:	2208205-005A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/24/22 / 14:56	Received PSI :	11.4
Canister/Tube ID:	R3598	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	0:32	BA	468780
Benzene	ETO15	1.00	0.44	1.6	2.3	0.72		09/01/22	0:32	BA	468780
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/01/22	0:32	BA	468780
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/01/22	0:32	BA	468780
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/01/22	0:32	BA	468780
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/01/22	0:32	BA	468780
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/01/22	0:32	BA	468780
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/01/22	0:32	BA	468780
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/01/22	0:32	BA	468780
Toluene	ETO15	1.00	0.75	1.9	2.2	0.58		09/01/22	0:32	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		09/01/22	0:32	BA	468780
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/01/22	0:32	BA	468780
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		09/01/22	0:32	BA	468780
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/01/22	0:32	BA	468780
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/01/22	0:32	BA	468780
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/01/22	0:32	BA	468780
2-Hexanone	ETO15	1.00	0.65	2.1	4.7	1.15		09/01/22	0:32	BA	468780
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		09/01/22	0:32	BA	468780
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/01/22	0:32	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/01/22	0:32	BA	468780
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		09/01/22	0:32	BA	468780
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		09/01/22	0:32	BA	468780
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/01/22	0:32	BA	468780
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/01/22	0:32	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/01/22	0:32	BA	468780
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/01/22	0:32	BA	468780
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/01/22	0:32	BA	468780
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/01/22	0:32	BA	468780
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/01/22	0:32	BA	468780
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/01/22	0:32	BA	468780
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/01/22	0:32	BA	468780
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/01/22	0:32	BA	468780
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/01/22	0:32	BA	468780
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/01/22	0:32	BA	468780
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	94 %			09/01/22	0:32	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-3 @ 15'	Lab Sample ID:	2208205-006A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/24/22 / 14:59	Received PSI :	8.6
Canister/Tube ID:	A7478	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22	12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	17.70	0.19	0.89	17			09/01/22	16:06	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	1:28	BA	468780
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/01/22	1:28	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/01/22	1:28	BA	468780
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/01/22	1:28	BA	468780
Vinyl Chloride	ETO15	1.00	0.23	1.3	1.6	0.63		09/01/22	1:28	BA	468780
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/01/22	1:28	BA	468780
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/01/22	1:28	BA	468780
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/01/22	1:28	BA	468780
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/01/22	1:28	BA	468780
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	1:28	BA	468780
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/01/22	1:28	BA	468780
Carbon Disulfide	ETO15	1.00	0.37	1.6	6.1	1.96		09/01/22	1:28	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	520	211.38	E	09/01/22	1:28	BA	468780
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/01/22	1:28	BA	468780
Acetone	ETO15	1.00	0.40	12	130	54.62		09/01/22	1:28	BA	468780
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/01/22	1:28	BA	468780
Hexane	ETO15	1.00	0.46	1.8	10	2.84		09/01/22	1:28	BA	468780
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/01/22	1:28	BA	468780
tert-Butanol	ETO15	1.00	0.62	1.5	4.0	1.32		09/01/22	1:28	BA	468780
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/01/22	1:28	BA	468780
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/01/22	1:28	BA	468780
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/01/22	1:28	BA	468780
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	1:28	BA	468780
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/01/22	1:28	BA	468780
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/01/22	1:28	BA	468780
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/01/22	1:28	BA	468780
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/01/22	1:28	BA	468780
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	42	14.24		09/01/22	1:28	BA	468780
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/01/22	1:28	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-3 @ 15'	Lab Sample ID:	2208205-006A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/24/22 / 14:59	Received PSI :	8.6
Canister/Tube ID:	A7478	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	1:28	BA	468780
Benzene	ETO15	1.00	0.44	1.6	18	5.64		09/01/22	1:28	BA	468780
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/01/22	1:28	BA	468780
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/01/22	1:28	BA	468780
Trichloroethylene	ETO15	1.00	0.81	2.7	52	9.68		09/01/22	1:28	BA	468780
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/01/22	1:28	BA	468780
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/01/22	1:28	BA	468780
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/01/22	1:28	BA	468780
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/01/22	1:28	BA	468780
Toluene	ETO15	1.00	0.75	1.9	18	4.77		09/01/22	1:28	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	9.9	2.41		09/01/22	1:28	BA	468780
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/01/22	1:28	BA	468780
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		09/01/22	1:28	BA	468780
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/01/22	1:28	BA	468780
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/01/22	1:28	BA	468780
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/01/22	1:28	BA	468780
2-Hexanone	ETO15	1.00	0.65	2.1	8.7	2.12		09/01/22	1:28	BA	468780
Ethyl Benzene	ETO15	1.00	0.63	2.2	3.8	0.88		09/01/22	1:28	BA	468780
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/01/22	1:28	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/01/22	1:28	BA	468780
m,p-Xylene	ETO15	1.00	0.98	2.2	4.8	1.11		09/01/22	1:28	BA	468780
o-Xylene	ETO15	1.00	0.30	2.2	2.2	0.51		09/01/22	1:28	BA	468780
Styrene	ETO15	1.00	0.46	2.1	2.1	0.49		09/01/22	1:28	BA	468780
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/01/22	1:28	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/01/22	1:28	BA	468780
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/01/22	1:28	BA	468780
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/01/22	1:28	BA	468780
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/01/22	1:28	BA	468780
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/01/22	1:28	BA	468780
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/01/22	1:28	BA	468780
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/01/22	1:28	BA	468780
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/01/22	1:28	BA	468780
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/01/22	1:28	BA	468780
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/01/22	1:28	BA	468780
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	96 %			09/01/22	1:28	BA	468780

NOTE: E - Estimated value.



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-2 @ 5'	Lab Sample ID:	2208205-007A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/25/22 / 10:06	Received PSI :	12.2
Canister/Tube ID:	A12216	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22	12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	11.90	0.13	0.60	18			09/01/22	16:59	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	2:10	BA	468780
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/01/22	2:10	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/01/22	2:10	BA	468780
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/01/22	2:10	BA	468780
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/01/22	2:10	BA	468780
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/01/22	2:10	BA	468780
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/01/22	2:10	BA	468780
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/01/22	2:10	BA	468780
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/01/22	2:10	BA	468780
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	2:10	BA	468780
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/01/22	2:10	BA	468780
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		09/01/22	2:10	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/01/22	2:10	BA	468780
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/01/22	2:10	BA	468780
Acetone	ETO15	1.00	0.40	12	97	40.76		09/01/22	2:10	BA	468780
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/01/22	2:10	BA	468780
Hexane	ETO15	1.00	0.46	1.8	ND	ND		09/01/22	2:10	BA	468780
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/01/22	2:10	BA	468780
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		09/01/22	2:10	BA	468780
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/01/22	2:10	BA	468780
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/01/22	2:10	BA	468780
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/01/22	2:10	BA	468780
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	2:10	BA	468780
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/01/22	2:10	BA	468780
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/01/22	2:10	BA	468780
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/01/22	2:10	BA	468780
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/01/22	2:10	BA	468780
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	15	5.08		09/01/22	2:10	BA	468780
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		09/01/22	2:10	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-2 @ 5'	Lab Sample ID:	2208205-007A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/25/22 / 10:06	Received PSI :	12.2
Canister/Tube ID:	A12216	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	2:10	BA	468780
Benzene	ETO15	1.00	0.44	1.6	ND	ND		09/01/22	2:10	BA	468780
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/01/22	2:10	BA	468780
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/01/22	2:10	BA	468780
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/01/22	2:10	BA	468780
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/01/22	2:10	BA	468780
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/01/22	2:10	BA	468780
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/01/22	2:10	BA	468780
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/01/22	2:10	BA	468780
Toluene	ETO15	1.00	0.75	1.9	ND	ND		09/01/22	2:10	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	5.0	1.22		09/01/22	2:10	BA	468780
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/01/22	2:10	BA	468780
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		09/01/22	2:10	BA	468780
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/01/22	2:10	BA	468780
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/01/22	2:10	BA	468780
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/01/22	2:10	BA	468780
2-Hexanone	ETO15	1.00	0.65	2.1	18	4.39		09/01/22	2:10	BA	468780
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		09/01/22	2:10	BA	468780
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/01/22	2:10	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/01/22	2:10	BA	468780
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		09/01/22	2:10	BA	468780
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		09/01/22	2:10	BA	468780
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/01/22	2:10	BA	468780
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/01/22	2:10	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/01/22	2:10	BA	468780
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/01/22	2:10	BA	468780
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/01/22	2:10	BA	468780
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/01/22	2:10	BA	468780
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/01/22	2:10	BA	468780
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/01/22	2:10	BA	468780
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/01/22	2:10	BA	468780
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/01/22	2:10	BA	468780
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/01/22	2:10	BA	468780
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/01/22	2:10	BA	468780
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	92 %			09/01/22	2:10	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-2 @ 15'	Lab Sample ID:	2208205-008A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/25/22 / 9:54	Received PSI :	7.0
Canister/Tube ID:	8340	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22	12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	10.20	0.11	0.51	17			09/01/22	17:26	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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	1.80	2.8	4.5	ND	ND		09/01/22	9:33	BA	468780
1,1-Difluoroethane	ETO15	1.80	0.62	24	ND	ND		09/01/22	9:33	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	1.80	2.5	6.3	ND	ND		09/01/22	9:33	BA	468780
Chloromethane	ETO15	1.80	3.7	7.5	ND	ND		09/01/22	9:33	BA	468780
Vinyl Chloride	ETO15	1.80	0.41	2.3	ND	ND		09/01/22	9:33	BA	468780
1,3-Butadiene	ETO15	1.80	0.61	2.0	ND	ND		09/01/22	9:33	BA	468780
Bromomethane	ETO15	1.80	1.2	3.5	ND	ND		09/01/22	9:33	BA	468780
Chloroethane	ETO15	1.80	1.5	2.4	ND	ND		09/01/22	9:33	BA	468780
Trichlorofluoromethane	ETO15	1.80	1.0	5.1	ND	ND		09/01/22	9:33	BA	468780
1,1-Dichloroethene	ETO15	1.80	1.5	3.6	ND	ND		09/01/22	9:33	BA	468780
Freon 113	ETO15	1.80	1.8	6.9	ND	ND		09/01/22	9:33	BA	468780
Carbon Disulfide	ETO15	1.80	0.67	2.8	6.9	2.22		09/01/22	9:33	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	1.80	2.3	22	25	10.16		09/01/22	9:33	BA	468780
Methylene Chloride	ETO15	1.80	1.3	19	ND	ND		09/01/22	9:33	BA	468780
Acetone	ETO15	1.80	0.71	21	600	252.10	E	09/01/22	9:33	BA	468780
trans-1,2-Dichloroethene	ETO15	1.80	0.86	3.6	ND	ND		09/01/22	9:33	BA	468780
Hexane	ETO15	1.80	0.84	3.2	18	5.11		09/01/22	9:33	BA	468780
MTBE	ETO15	1.80	0.80	3.2	ND	ND		09/01/22	9:33	BA	468780
tert-Butanol	ETO15	1.80	1.1	2.7	12	3.96		09/01/22	9:33	BA	468780
Diisopropyl ether (DIPE)	ETO15	1.80	1.3	3.8	ND	ND		09/01/22	9:33	BA	468780
1,1-Dichloroethane	ETO15	1.80	0.98	3.6	ND	ND		09/01/22	9:33	BA	468780
ETBE	ETO15	1.80	0.59	3.8	ND	ND		09/01/22	9:33	BA	468780
cis-1,2-Dichloroethene	ETO15	1.80	1.5	3.6	ND	ND		09/01/22	9:33	BA	468780
Chloroform	ETO15	1.80	1.7	4.4	ND	ND		09/01/22	9:33	BA	468780
Vinyl Acetate	ETO15	1.80	1.4	3.2	ND	ND		09/01/22	9:33	BA	468780
Carbon Tetrachloride	ETO15	1.80	2.0	5.7	ND	ND		09/01/22	9:33	BA	468780
1,1,1-Trichloroethane	ETO15	1.80	1.4	4.9	ND	ND		09/01/22	9:33	BA	468780
2-Butanone (MEK)	ETO15	1.80	0.70	2.7	110	37.29		09/01/22	9:33	BA	468780
Ethyl Acetate	ETO15	1.80	0.86	3.2	ND	ND		09/01/22	9:33	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-2 @ 15'	Lab Sample ID:	2208205-008A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001		
Date/Time Sampled:	08/25/22 / 9:54	Certified Clean WO # :	
Canister/Tube ID:	8340	Received PSI :	7.0
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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	1.80	0.81	2.7	69	23.39		09/01/22	9:33	BA	468780
Benzene	ETO15	1.80	0.79	2.9	27	8.46		09/01/22	9:33	BA	468780
TAME	ETO15	1.80	1.2	3.8	ND	ND		09/01/22	9:33	BA	468780
1,2-Dichloroethane (EDC)	ETO15	1.80	0.76	3.6	ND	ND		09/01/22	9:33	BA	468780
Trichloroethylene	ETO15	1.80	1.5	4.8	54	10.06		09/01/22	9:33	BA	468780
1,2-Dichloropropane	ETO15	1.80	1.4	4.2	ND	ND		09/01/22	9:33	BA	468780
Bromodichloromethane	ETO15	1.80	1.3	6.0	ND	ND		09/01/22	9:33	BA	468780
1,4-Dioxane	ETO15	1.80	3.2	6.5	ND	ND		09/01/22	9:33	BA	468780
trans-1,3-Dichloropropene	ETO15	1.80	1.9	4.1	ND	ND		09/01/22	9:33	BA	468780
Toluene	ETO15	1.80	1.4	3.4	34	9.02		09/01/22	9:33	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	1.80	1.3	3.7	15	3.66		09/01/22	9:33	BA	468780
cis-1,3-Dichloropropene	ETO15	1.80	0.76	4.1	ND	ND		09/01/22	9:33	BA	468780
Tetrachloroethylene	ETO15	1.80	2.6	6.1	ND	ND		09/01/22	9:33	BA	468780
1,1,2-Trichloroethane	ETO15	1.80	1.1	4.9	ND	ND		09/01/22	9:33	BA	468780
Dibromochloromethane	ETO15	1.80	2.0	7.7	ND	ND		09/01/22	9:33	BA	468780
1,2-Dibromoethane (EDB)	ETO15	1.80	1.3	6.9	ND	ND		09/01/22	9:33	BA	468780
2-Hexanone	ETO15	1.80	1.2	3.7	6.0	1.46		09/01/22	9:33	BA	468780
Ethyl Benzene	ETO15	1.80	1.1	3.9	5.9	1.36		09/01/22	9:33	BA	468780
Chlorobenzene	ETO15	1.80	1.1	4.1	ND	ND		09/01/22	9:33	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	1.80	1.5	6.2	ND	ND		09/01/22	9:33	BA	468780
m,p-Xylene	ETO15	1.80	1.8	3.9	8.5	1.96		09/01/22	9:33	BA	468780
o-Xylene	ETO15	1.80	0.55	3.9	ND	ND		09/01/22	9:33	BA	468780
Styrene	ETO15	1.80	0.84	3.8	ND	ND		09/01/22	9:33	BA	468780
Bromoform	ETO15	1.80	2.3	9.3	ND	ND		09/01/22	9:33	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	1.80	1.5	6.2	ND	ND		09/01/22	9:33	BA	468780
4-Ethyl Toluene	ETO15	1.80	0.98	4.4	ND	ND		09/01/22	9:33	BA	468780
1,3,5-Trimethylbenzene	ETO15	1.80	0.54	4.4	ND	ND		09/01/22	9:33	BA	468780
1,2,4-Trimethylbenzene	ETO15	1.80	1.1	4.4	ND	ND		09/01/22	9:33	BA	468780
1,4-Dichlorobenzene	ETO15	1.80	1.3	5.4	ND	ND		09/01/22	9:33	BA	468780
1,3-Dichlorobenzene	ETO15	1.80	2.4	5.4	ND	ND		09/01/22	9:33	BA	468780
1,2-Dichlorobenzene	ETO15	1.80	1.9	5.4	ND	ND		09/01/22	9:33	BA	468780
Hexachlorobutadiene	ETO15	1.80	3.3	9.6	ND	ND		09/01/22	9:33	BA	468780
1,2,4-Trichlorobenzene	ETO15	1.80	3.9	6.7	ND	ND		09/01/22	9:33	BA	468780
Naphthalene	ETO15	1.80	2.3	4.7	ND	ND		09/01/22	9:33	BA	468780
(S) 4-Bromofluorobenzene	ETO15	1.80	50	150	91 %			09/01/22	9:33	BA	468780

NOTE: E - Estimated value.



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-1 @ 5'	Lab Sample ID:	2208205-009A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/25/22 / 10:35	Received PSI :	12.4
Canister/Tube ID:	R3567	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22	12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	4.80	0.051	0.24	16			09/01/22	17:53	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	10:25	BA	468780
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		09/01/22	10:25	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		09/01/22	10:25	BA	468780
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		09/01/22	10:25	BA	468780
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		09/01/22	10:25	BA	468780
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		09/01/22	10:25	BA	468780
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		09/01/22	10:25	BA	468780
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		09/01/22	10:25	BA	468780
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		09/01/22	10:25	BA	468780
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	10:25	BA	468780
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		09/01/22	10:25	BA	468780
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		09/01/22	10:25	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		09/01/22	10:25	BA	468780
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		09/01/22	10:25	BA	468780
Acetone	ETO15	1.00	0.40	12	58	24.37		09/01/22	10:25	BA	468780
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		09/01/22	10:25	BA	468780
Hexane	ETO15	1.00	0.46	1.8	ND	ND		09/01/22	10:25	BA	468780
MTBE	ETO15	1.00	0.44	1.8	ND	ND		09/01/22	10:25	BA	468780
tert-Butanol	ETO15	1.00	0.62	1.5	3.5	1.16		09/01/22	10:25	BA	468780
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		09/01/22	10:25	BA	468780
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		09/01/22	10:25	BA	468780
ETBE	ETO15	1.00	0.33	2.1	ND	ND		09/01/22	10:25	BA	468780
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		09/01/22	10:25	BA	468780
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		09/01/22	10:25	BA	468780
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		09/01/22	10:25	BA	468780
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		09/01/22	10:25	BA	468780
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		09/01/22	10:25	BA	468780
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	12	4.07		09/01/22	10:25	BA	468780
Ethyl Acetate	ETO15	1.00	0.48	1.8	1.8	0.50		09/01/22	10:25	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-1 @ 5'	Lab Sample ID:	2208205-009A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/25/22 / 10:35	Received PSI :	12.4
Canister/Tube ID:	R3567	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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		09/01/22	10:25	BA	468780
Benzene	ETO15	1.00	0.44	1.6	2.5	0.78		09/01/22	10:25	BA	468780
TAME	ETO15	1.00	0.67	2.1	ND	ND		09/01/22	10:25	BA	468780
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		09/01/22	10:25	BA	468780
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		09/01/22	10:25	BA	468780
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		09/01/22	10:25	BA	468780
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		09/01/22	10:25	BA	468780
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		09/01/22	10:25	BA	468780
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		09/01/22	10:25	BA	468780
Toluene	ETO15	1.00	0.75	1.9	1.9	0.50		09/01/22	10:25	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	5.0	1.22		09/01/22	10:25	BA	468780
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		09/01/22	10:25	BA	468780
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		09/01/22	10:25	BA	468780
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		09/01/22	10:25	BA	468780
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		09/01/22	10:25	BA	468780
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		09/01/22	10:25	BA	468780
2-Hexanone	ETO15	1.00	0.65	2.1	6.3	1.54		09/01/22	10:25	BA	468780
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		09/01/22	10:25	BA	468780
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		09/01/22	10:25	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		09/01/22	10:25	BA	468780
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		09/01/22	10:25	BA	468780
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		09/01/22	10:25	BA	468780
Styrene	ETO15	1.00	0.46	2.1	ND	ND		09/01/22	10:25	BA	468780
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		09/01/22	10:25	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		09/01/22	10:25	BA	468780
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		09/01/22	10:25	BA	468780
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		09/01/22	10:25	BA	468780
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		09/01/22	10:25	BA	468780
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		09/01/22	10:25	BA	468780
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		09/01/22	10:25	BA	468780
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		09/01/22	10:25	BA	468780
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		09/01/22	10:25	BA	468780
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		09/01/22	10:25	BA	468780
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		09/01/22	10:25	BA	468780
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	97 %			09/01/22	10:25	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-1 @ 15'	Lab Sample ID:	2208205-010A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001	Certified Clean WO # :	
Date/Time Sampled:	08/25/22 / 10:36	Received PSI :	5.5
Canister/Tube ID:	6335	Corrected PSI :	
Collection Volume (L):			
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 9/1/22	12:00:00PM
Prep Batch ID: 1144552	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Oxygen	D1946	11.80	0.12	0.59	17			09/01/22	18:20	BA	468802

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22	4:00:00PM
Prep Batch ID: 1144535	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	2.90	4.6	7.2	ND	ND		09/01/22	11:17	BA	468780
1,1-Difluoroethane	ETO15	2.90	1.0	39	ND	ND		09/01/22	11:17	BA	468780
1,2-Dichlorotetrafluoroethane	ETO15	2.90	4.1	10	ND	ND		09/01/22	11:17	BA	468780
Chloromethane	ETO15	2.90	5.9	12	ND	ND		09/01/22	11:17	BA	468780
Vinyl Chloride	ETO15	2.90	0.65	3.7	8.6	3.36		09/01/22	11:17	BA	468780
1,3-Butadiene	ETO15	2.90	0.99	3.2	ND	ND		09/01/22	11:17	BA	468780
Bromomethane	ETO15	2.90	1.9	5.6	ND	ND		09/01/22	11:17	BA	468780
Chloroethane	ETO15	2.90	2.4	3.8	ND	ND		09/01/22	11:17	BA	468780
Trichlorofluoromethane	ETO15	2.90	1.6	8.1	ND	ND		09/01/22	11:17	BA	468780
1,1-Dichloroethene	ETO15	2.90	2.4	5.8	ND	ND		09/01/22	11:17	BA	468780
Freon 113	ETO15	2.90	3.0	11	ND	ND		09/01/22	11:17	BA	468780
Carbon Disulfide	ETO15	2.90	1.1	4.5	9.1	2.93		09/01/22	11:17	BA	468780
2-Propanol (Isopropyl Alcohol)	ETO15	2.90	3.7	36	58	23.58		09/01/22	11:17	BA	468780
Methylene Chloride	ETO15	2.90	2.0	30	ND	ND		09/01/22	11:17	BA	468780
Acetone	ETO15	2.90	1.1	35	290	121.85		09/01/22	11:17	BA	468780
trans-1,2-Dichloroethene	ETO15	2.90	1.4	5.7	ND	ND		09/01/22	11:17	BA	468780
Hexane	ETO15	2.90	1.3	5.1	43	12.22		09/01/22	11:17	BA	468780
MTBE	ETO15	2.90	1.3	5.2	ND	ND		09/01/22	11:17	BA	468780
tert-Butanol	ETO15	2.90	1.8	4.4	9.5	3.14		09/01/22	11:17	BA	468780
Diisopropyl ether (DIPE)	ETO15	2.90	2.1	6.1	ND	ND		09/01/22	11:17	BA	468780
1,1-Dichloroethane	ETO15	2.90	1.6	5.9	ND	ND		09/01/22	11:17	BA	468780
ETBE	ETO15	2.90	0.95	6.1	ND	ND		09/01/22	11:17	BA	468780
cis-1,2-Dichloroethene	ETO15	2.90	2.4	5.7	ND	ND		09/01/22	11:17	BA	468780
Chloroform	ETO15	2.90	2.8	7.1	ND	ND		09/01/22	11:17	BA	468780
Vinyl Acetate	ETO15	2.90	2.2	5.1	ND	ND		09/01/22	11:17	BA	468780
Carbon Tetrachloride	ETO15	2.90	3.2	9.1	ND	ND		09/01/22	11:17	BA	468780
1,1,1-Trichloroethane	ETO15	2.90	2.3	7.9	ND	ND		09/01/22	11:17	BA	468780
2-Butanone (MEK)	ETO15	2.90	1.1	4.3	82	27.80		09/01/22	11:17	BA	468780
Ethyl Acetate	ETO15	2.90	1.4	5.2	ND	ND		09/01/22	11:17	BA	468780



SAMPLE RESULTS

Report prepared for: Divya Bhargava
Engeo Inc (SJ)

Date/Time Received: 08/25/22, 12:00 pm
Date Reported: 09/02/22

Client Sample ID:	SG-1 @ 15'	Lab Sample ID:	2208205-010A
Project Name/Location:	Trimble Rd Parcels	Sample Matrix:	Air
Project Number:	18233.000.001		
Date/Time Sampled:	08/25/22 / 10:36	Certified Clean WO # :	
Canister/Tube ID:	6335	Received PSI :	5.5
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 8/31/22 4:00:00PM
Prep Batch ID: 1144535	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	2.90	1.3	4.3	ND	ND		09/01/22	11:17	BA	468780
Benzene	ETO15	2.90	1.3	4.6	63	19.75		09/01/22	11:17	BA	468780
TAME	ETO15	2.90	2.0	6.1	ND	ND		09/01/22	11:17	BA	468780
1,2-Dichloroethane (EDC)	ETO15	2.90	1.2	5.9	ND	ND		09/01/22	11:17	BA	468780
Trichloroethylene	ETO15	2.90	2.3	7.8	150	27.93		09/01/22	11:17	BA	468780
1,2-Dichloropropane	ETO15	2.90	2.2	6.7	ND	ND		09/01/22	11:17	BA	468780
Bromodichloromethane	ETO15	2.90	2.2	9.7	ND	ND		09/01/22	11:17	BA	468780
1,4-Dioxane	ETO15	2.90	5.2	10	ND	ND		09/01/22	11:17	BA	468780
trans-1,3-Dichloropropene	ETO15	2.90	3.1	6.6	ND	ND		09/01/22	11:17	BA	468780
Toluene	ETO15	2.90	2.2	5.5	50	13.26		09/01/22	11:17	BA	468780
4-Methyl-2-Pentanone (MIBK)	ETO15	2.90	2.2	5.9	23	5.61		09/01/22	11:17	BA	468780
cis-1,3-Dichloropropene	ETO15	2.90	1.2	6.6	ND	ND		09/01/22	11:17	BA	468780
Tetrachloroethylene	ETO15	2.90	4.2	9.8	ND	ND		09/01/22	11:17	BA	468780
1,1,2-Trichloroethane	ETO15	2.90	1.7	7.9	ND	ND		09/01/22	11:17	BA	468780
Dibromochloromethane	ETO15	2.90	3.2	12	ND	ND		09/01/22	11:17	BA	468780
1,2-Dibromoethane (EDB)	ETO15	2.90	2.1	11	ND	ND		09/01/22	11:17	BA	468780
2-Hexanone	ETO15	2.90	1.9	5.9	17	4.15		09/01/22	11:17	BA	468780
Ethyl Benzene	ETO15	2.90	1.8	6.3	11	2.53		09/01/22	11:17	BA	468780
Chlorobenzene	ETO15	2.90	1.7	6.7	ND	ND		09/01/22	11:17	BA	468780
1,1,1,2-Tetrachloroethane	ETO15	2.90	2.4	10.	ND	ND		09/01/22	11:17	BA	468780
m,p-Xylene	ETO15	2.90	2.8	6.3	12	2.76		09/01/22	11:17	BA	468780
o-Xylene	ETO15	2.90	0.88	6.3	ND	ND		09/01/22	11:17	BA	468780
Styrene	ETO15	2.90	1.3	6.2	ND	ND		09/01/22	11:17	BA	468780
Bromoform	ETO15	2.90	3.8	15	ND	ND		09/01/22	11:17	BA	468780
1,1,2,2-Tetrachloroethane	ETO15	2.90	2.4	10.	ND	ND		09/01/22	11:17	BA	468780
4-Ethyl Toluene	ETO15	2.90	1.6	7.1	ND	ND		09/01/22	11:17	BA	468780
1,3,5-Trimethylbenzene	ETO15	2.90	0.87	7.1	ND	ND		09/01/22	11:17	BA	468780
1,2,4-Trimethylbenzene	ETO15	2.90	1.7	7.1	ND	ND		09/01/22	11:17	BA	468780
1,4-Dichlorobenzene	ETO15	2.90	2.2	8.7	ND	ND		09/01/22	11:17	BA	468780
1,3-Dichlorobenzene	ETO15	2.90	3.9	8.7	ND	ND		09/01/22	11:17	BA	468780
1,2-Dichlorobenzene	ETO15	2.90	3.1	8.7	ND	ND		09/01/22	11:17	BA	468780
Hexachlorobutadiene	ETO15	2.90	5.4	15	ND	ND		09/01/22	11:17	BA	468780
1,2,4-Trichlorobenzene	ETO15	2.90	6.2	11	ND	ND		09/01/22	11:17	BA	468780
Naphthalene	ETO15	2.90	3.7	7.6	ND	ND		09/01/22	11:17	BA	468780
(S) 4-Bromofluorobenzene	ETO15	2.90	50	150	92 %			09/01/22	11:17	BA	468780



MB Summary Report

Work Order:	2208205	Prep Method:	TO15-P	Prep Date:	08/30/22	Prep Batch:	1144498
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	8/30/2022	Analytical Batch:	468764
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
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:	2208205	Prep Method:	TO15-P	Prep Date:	08/30/22	Prep Batch:	1144498
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	8/30/2022	Analytical Batch:	468764
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			87	



MB Summary Report

Work Order:	2208205	Prep Method:	TO15-P	Prep Date:	08/31/22	Prep Batch:	1144535
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	8/31/2022	Analytical Batch:	468780
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
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:	2208205	Prep Method:	TO15-P	Prep Date:	08/31/22	Prep Batch:	1144535
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	8/31/2022	Analytical Batch:	468780
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			87	

Work Order:	2208205	Prep Method:	FG-P	Prep Date:	09/01/22	Prep Batch:	1144552
Matrix:	Air	Analytical Method:	D1946	Analyzed Date:	9/1/2022	Analytical Batch:	468802
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Oxygen	110	500	ND	
Methane	23	50	ND	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2208205	Prep Method:	TO15-P	Prep Date:	08/30/22	Prep Batch:	1144498
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	8/30/2022	Analytical Batch:	468764
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	104	101	3.04	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	87.7	79.3	10.2	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	84.6	80.7	4.69	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	99.0	89.8	9.80	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	82.6	78.0	5.76	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	95.1	95.6		50 - 150		

Work Order:	2208205	Prep Method:	TO15-P	Prep Date:	08/31/22	Prep Batch:	1144535
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	8/31/2022	Analytical Batch:	468780
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	99.2	104	4.79	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	84.3	82.6	1.95	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	84.2	92.7	9.60	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	93.8	99.1	5.57	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	74.5	86.6	15.1	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	94.2	90.7		50 - 150		

Work Order:	2208205	Prep Method:	FG-P	Prep Date:	09/01/22	Prep Batch:	1144552
Matrix:	Air	Analytical Method:	D1946	Analyzed Date:	9/1/2022	Analytical Batch:	468802
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Oxygen	110	500	ND	2500	98.2	114	14.3	65 - 135	30	
Methane	230	500	ND	2500	92.3	105	13.3	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 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)

Project Name: Trimble Rd Parcels

Work Order No.: 2208205

Date and Time Received: 8/25/2022 12:00:00PM

Received By: Lorna Imbat

Physically Logged By: Lorna Imbat

Checklist Completed By: Lorna Imbat

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?		Temperature:	°C
Water-VOA vials have zero headspace?	<u>No VOA vials submitted</u>		
Water-pH acceptable upon receipt?	<u>N/A</u>		
pH Checked by: n/a		pH Adjusted by: n/a	

Comments:



Login Summary Report

Client ID: TL5224 Engeo Inc (SJ)
Project Name: Trimble Rd Parcels
Project # : 18233.000.001
Report Due Date: 9/1/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 8/25/2022
Time Received: 12:00 pm

Comments:

Work Order # : **2208205**

<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>
2208205-001A	SG-5 @ 5'	08/24/22 13:30	Air				VOC_A_TO15 VOC_A_FG D1946	
Sample Note: TO15 & O2								
2208205-002A	SG-5 @ 15'	08/24/22 13:39	Air				VOC_A_TO15 VOC_A_FG D1946	
2208205-003A	SG-4 @ 5'	08/24/22 14:17	Air				VOC_A_FG D1946 VOC_A_TO15	
2208205-004A	SG-4 @ 15'	08/24/22 14:18	Air				VOC_A_TO15 VOC_A_FG D1946	
2208205-005A	SG-3 @ 5'	08/24/22 14:56	Air				VOC_A_TO15 VOC_A_FG D1946	
2208205-006A	SG-3 @ 15'	08/24/22 14:59	Air				VOC_A_TO15 VOC_A_FG D1946	
2208205-007A	SG-2 @ 5'	08/25/22 10:06	Air				VOC_A_TO15 VOC_A_FG D1946	
2208205-008A	SG-2 @ 15'	08/25/22 9:54	Air				VOC_A_TO15 VOC_A_FG D1946	
2208205-009A	SG-1 @ 5'	08/25/22 10:35	Air				VOC_A_TO15 VOC_A_FG D1946	
2208205-010A	SG-1 @ 15'	08/25/22 10:36	Air				VOC_A_TO15 VOC_A_FG D1946	



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
 2208205

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

Company Name: ENGE0 Env. Special Project #: 18233.000.001 PO #:
 Address: 6399 SAN IGNACIO AVE Project Name: TRIMBLE ROAD PARCELS
 City: SAN JOSE State: CA Zip Code: 95119 Comments:
 Telephone: 832-205-1493 Cell: 832-205-1493 SAMPLER: WH Quote #:
 REPORT TO: DBhargava@eng0.com BILL TO: DBhargava@eng0.com EMAIL: WHonsdale@eng0.com / DBhargava@eng0.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 (ASTM D446) * 1-1-DFA

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 (ASTM D446)	* 1-1-DFA	REMARKS
-001A	6109	SG-5@5'	8/24/22 13:30	gas	1	summa	X	X	X	**leak trace
-002A	A12207	SG-5@15'	13:39				X	X		
-003A	A12261	SG-4@5'	14:17				X	X		
-004A	R3575	SG-4@15'	14:18				X	X		
-005A	R3598	SG-3@5'	14:56				X	X		
-006A	A7478	SG-3@15'	14:59				X	X		
-007A	A12216	SG-2@5'	8/25/22 10:06				X	X		
-008A	8340	SG-2@15'	9:54				X	X		
-009A	R3567	SG-1@5'	10:35				X	X		
-010A	6335	SG-1@15'	10:36				X	X		

1	Relinquished By: <u>WH</u> Print: <u>William Honsdale</u> Date: <u>8/25/22</u> Time: <u>12:00</u>	Received By: <u>[Signature]</u> Print: <u>K-D. Imbat</u> Date: <u>8-25-22</u> Time: <u>1200</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/O 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: Reed canister @ ambient temp Date: _____ Labeled By: _____ Date: _____ Temp: _____ °C Page ____ of ____ Rev. 4