

Project No.  
**12181.000.000**

July 2, 2015  
Revised August 2, 2016

Mr. Mike Serra III  
Pauls Real Estate Investments, LLC  
270 Saint Paul Street, Suite 300  
Denver, CO 80206

Subject: Bockman Road Property  
San Lorenzo, California

## **PHASE II ENVIRONMENTAL SITE ASSESSMENT**

Reference: ENGEO, Phase I Environmental Site Assessment, Bockman Road Property, San Lorenzo, California, Project Number 12181.000.000, June 30, 2015.

Dear Mr. Serra:

We are pleased to submit the findings from our phase II environmental site assessment conducted at the subject property (Property) in San Lorenzo, California (Property). The purpose of the phase II assessment was to evaluate potential environmental concerns identified in the Phase I ESA conducted for the Property (Reference), associated with the past uses on the Property or with past uses on adjoining properties.

### **1.0 BACKGROUND**

#### **1.1 SITE DESCRIPTION**

The Property is located at 1233 Bockman Road, San Lorenzo, California (Figure 1). The Property is approximately 3.8 acres in area and is identified as Assessor's Parcel Number (APN) 411-63-17.

The Property was previously occupied by a retail strip center and an automotive repair shop, which were demolished in 2007. Other addresses associated with the former retail strip center on the Property include 1245, 1257, 1269, 1293, 1311, 1339, 1349, 1353, 1367, 1381, 1391, 1395, 1399, 1401, 1403, and 1415 Bockman Road (former automotive repair shop). The Property is located in a mixed commercial and residential area of San Lorenzo and is bounded by Bockman Road to the south, residential developments and Via Del Rey to the north, with residential developments and Via Chiquita to the east.

#### **1.2 PREVIOUS STUDIES**

ENGEO conducted a concurrent phase I environmental site assessment for the Property in June 2015 (Reference). A review of the city directory records conducted as a part of the phase I ESA revealed that "cleaners" were present within the retail strip center on the Property between

approximately 1960 to 1979. However, ENGEO could not confirm if the identified cleaner was a dry cleaner facility using tetrachloroethylene (PCE) or a drop-off facility. Additionally, a previous environmental report prepared for the Property, as well as ENGEO's phase I indicated presence of a former automotive repair shop on the western portion of the Property, as well as the potential presence of a sump and an oil-water separator within the shop. The previous report also indicated and the ENGEO phase I confirmed the presence of a closed leaking underground tank immediately upgradient (adjacent south) of the Property.

Based on the findings of the ENGEO phase I assessment and previous assessments of the Property, the following potential recognized environmental condition (RECs) were identified for the Property:

- Based on historical records, a dry cleaner facility possibly existed within the former retail strip center on the Property; however, it could not be confirmed whether the identified cleaner was a dry cleaner facility using tetrachloroethylene or a drop-off facility.
- A gasoline service station previously existed on the adjacent parcel to the south of the Property (immediately upgradient of the Property), and there is a potential that impacted groundwater emanating from this facility may have impacted the Property.
- Historical records for the Property indicated that there could be potential impacts due to the oil-water separator and sump that previously existed at the automotive repair shop in the western portion of the Property.

A phase II environmental assessment was recommended for the Property to (1) evaluate potential subsurface impacts due to the former automotive repair shop on the Property, (2) evaluate potential impacts to groundwater from offsite sources, and (3) evaluate potential impacts to the subsurface and groundwater at the Property due to the possible presence of a former dry cleaning facility on the Property.

### **1.3 PROPOSED DEVELOPMENT**

The proposed "Bungalows" project is a new development comprised of (53) two-story, wood framed residential dwelling units situated on post-tensioned slab on grade foundations, with on-grade tuck-under parking. The townhome buildings are arranged into (6) 6-plexes, (1) 5-plex, and (3) 4-plexes. The depth of the proposed foundation is approximately 1 foot below ground surface. No elevators or other subsurface features are planned as a part of the proposed development. An overlay of the proposed development plan is presented on Figure 2.

### **2.0 INITIAL CHARACTERIZATION**

An initial round of site characterization activities was conducted in 2015 to further assess the environmental impacts at the Property due to the potential RECs identified in the phase I ESA report. Field sampling activities were performed on June 25, 2015, which included soil, groundwater and soil gas sampling.

Prior to drilling, an ENGEO representative contacted the USA North Service Alert to be notified of the location of underground utilities at the site. In addition, ENGEO retained a private utility locator to mark the boring locations. A C-57 licensed drilling contractor was retained to advance soil, groundwater and soil gas borings (Figure 2). A boring permit was obtained from the Alameda County Public Works Agency (ACPWA). The Property owner was notified prior to site access. Details pertaining to each of these tasks are presented below.

## **2.1 Task 1 – Soil Sampling**

Soil samples were collected from a total of three locations across the Property. Soil samples were collected at two locations (S-1 and S-2) in the vicinity of the former automobile repair shop in the western portion of the Property, and from one location (S-3) in the vicinity of the former retail strip center in the central portion of the Property (Figures 2 and 3).

The three soil borings were advanced to a total depth of 10 feet below ground surface. Continuous soil cores were retrieved from each boring. Soil samples were collected at approximate depths of 1, 5 and 10 feet below the ground surface from each of the borings. During drilling, the soil cores were screened for volatile organic compounds (VOCs) using a photoionization detector (PID).

The sample sleeves were sealed using Teflon® sheets secured by tight-fitting plastic end caps. Upon collection of samples, a sample label was placed on the sample including a unique sample number, sample location, time/date collected, lab analysis and the sampler's identification. The soil samples were placed in an ice-cooled chest and submitted under documented chain-of-custody to Torrent Laboratory, Inc., a State-certified laboratory based in Milpitas, California. Soil samples from each boring were analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPH-g) and volatile organic compounds (VOCs) (EPA Method 8260B)
- Total petroleum hydrocarbons as diesel (TPH-d) and motor-oil (TPH-mo) (EPA Method 8015M with silica gel cleanup)
- CAM-17 metals (EPA Method 6010B and 7471A)

The borings were filled with grout upon completion of sampling.

## **2.2 Task 2 – Groundwater Sampling**

Groundwater samples were collected at three locations (GW-1 to GW-3) across the Property, as shown on Figures 2 and 3, to evaluate potential impacts to groundwater beneath the Property resulting from the possible presence of a former dry cleaner facility on the Property and identified potential offsite sources.

Groundwater samples were collected from the depth of the first encountered groundwater, ranging between approximately 15 to 25 feet below the ground surface. The grab groundwater samples were collected using Geoprobe® direct push technology; the direct-push borings were

advanced until groundwater was encountered. Temporary PVC casings were used in each borehole to facilitate collection; groundwater samples were collected using dedicated disposable bailers. Following collection, well points were removed and backfilled with neat cement grout.

Upon collection, groundwater samples were placed into laboratory-provided, pre-preserved sample containers. Each container was labeled with a sample identification, sample location, date and time of collection, and sampler's identification. The groundwater samples were then placed in an ice-cooled chest and submitted under documented chain-of-custody to Torrent Laboratory, Inc., a State-certified laboratory based in Milpitas, California. Groundwater samples were analyzed for the following:

- TPH-g and VOCs (EPA Method 8260B)
- TPH-d and TPH-mo (EPA Method 8015M with silica gel cleanup)
- CAM-17 metals (EPA Method 6010B and 7471A)

### **2.3 Task 3 - Soil Gas Assessment**

In order to evaluate potential vapor intrusion concerns, a soil gas assessment was conducted at the Property. Four temporary soil gas monitoring wells (SG-1 through SG-4) were installed at the Property using a Geoprobe® rig. The soil gas well locations are presented on Figures 2 and 3.

The installation and sampling of the soil gas monitoring wells was performed in general accordance with the Department of Toxic Substances Control (DTSC) Final Advisory Active Soil Gas Investigations (April 2012). The soil gas monitoring well casings were constructed with ¼-inch-diameter Teflon® tubing equipped with a filter at the base of the tubing. The well installation was performed with a direct push probe rig, which advanced an approximately 2-inch-diameter boring to a depth of 6 feet below the ground surface. For each well, the bottom of the well casing was equipped with a filter situated at a depth of 5 feet below the ground surface, centered in the middle of a 2-foot-layer of No. 3 sand. The 1-foot-long sand pack was designed to provide adequate flow within potentially low permeability lithology at the Property. Six inches of dry bentonite was installed on top of the sand, and the remaining annular space was filled with hydrated bentonite grout to the surface. Following installation of the annular seal, the well casings were equipped with a permanent Swagelok® ferrule and nut. A threaded plug was then screwed into the nut and the mandatory two-hour equilibration time began.

The sample train was connected to the well tubing by threading the permanent Swagelok® fitting on the well casing onto the manifold. The sample train consisted of a stainless steel twin summa manifold with a built-in flow controller set to 100-200 ml/min. A purge vacuum pump was attached to the manifold connection closest to the well casing and the sample canister was connected to the manifold fitting furthest away from the well casing. Prior to connecting the sample train to the well casing, a shut-in test was performed to assess for potential leaks. The shut-in test consisted of capping the end of the manifold, then applying a vacuum with the vacuum pump, closing the purge valve, and observing the vacuum gauge for two minutes to check for a drop in the vacuum. Once the sample train was connected to the well casing, all of

the valves were closed, allowing a mandatory two-hour equilibration time to commence. After the two-hour equilibration time elapsed, three well volumes were purged from the wells. After purging completed, the purge valve on the manifold was closed. Samples were collected by opening the sample canister valve and allowing the sample canister to extract soil gas until the vacuum in the sample canister reached approximately 5 inches of mercury. The leak detection compound 1,1-difluoroethane (1,1-DFA) was applied by wrapping a doused rag around the manifold fittings during sample collection.

Samples could not be collected from SG-3 and SG-4, due to the presence of tight clays on the Property. Two soil gas samples were collected from SG-1 and SG-2, and were submitted to Torrent Laboratory, a State-certified fixed laboratory under documented chain-of-custody for analysis of VOCs by EPA Test Method TO-15.

### **3.0 SUPPLEMENTAL CHARACTERIZATION**

Supplemental characterization activities were conducted at the Property in June and July 2016 to further delineate impacts due to the former dry cleaner on the Property. Field sampling activities included groundwater and soil gas sampling.

Prior to drilling, an ENGEO representative contacted the USA North Service Alert to be notified of the location of underground utilities at the site. In addition, ENGEO retained a private utility locator to mark the boring locations. A C-57 licensed drilling contractor was retained to advance groundwater and soil gas borings (Figures 2 and 3). A boring permit was obtained from the ACPWA.

#### **3.1 Soil Gas Sampling**

A total of 6 temporary soil gas wells (SG-5 through SG-10) were installed within the vicinity of the former dry cleaner suite at the Property on June 24, 2016, as presented on Figures 2 and 3. Temporary soil gas wells were installed and sampled using the following methodology:

- The installation and sampling of the soil gas monitoring wells was performed in accordance with the *DTSC Advisory Active Soil Gas Investigations (July 2015)*. The soil gas monitoring well casings were constructed with ¼-inch-diameter Teflon® tubing equipped with a filter at the base of the tubing. The well installations was performed with a Geoprobe® drill rig, which advanced an approximately 3-inch-diameter boring to a depth of approximately 7 feet below the ground surface. At each of the 6 locations, soil gas borings were also installed to a depth of 10 feet below the ground surface (adjacent to the previous boring).
- For the 7-foot-deep wells, the bottom of the well casing was equipped with a 1-inch-long filter screen situated at a depth of 6 feet below the ground surface, centered in the middle of a 2-foot layer of No. 3 sand. A 6-inch layer of dry bentonite was installed on top of the sand, and the remaining annular space was filled with hydrated bentonite grout to 6 inches below grade. Once the installation of the annular seal was complete, a Swagelok® fitting was connected on the top of the well casing and a threaded plug was inserted. At this point, the mandatory 2-hour equilibration time commenced.

- For the 10-foot-deep wells, the bottom of the well casing was equipped with a 1-inch-long filter screen situated at a depth of 8 feet below the ground surface, centered in the middle of a 4-foot layer of No. 3 sand. A 6-inch layer of dry bentonite was installed on top of the sand, and the remaining annular space was filled with hydrated bentonite grout to 6 inches below grade. Once the installation of the annular seal was complete, a permanent Swagelok® fitting was connected on the top of the well casing and a threaded plug was inserted. At this point, the mandatory 2-hour equilibration time commenced.

Equipment connection, purging, and sampling was performed as discussed in Section 2. The sample canisters were labeled with a unique identification number, sampling time, pre- and post-sample vacuum readings. The samples collected from the soil gas wells were submitted under documented chain-of-custody to Torrent Laboratory, Inc., for analysis of TPH-g and VOCs by EPA Test Method TO-15. Following completion of the soil gas sampling, the borings were grouted and abandoned.

### **3.2 Groundwater Sampling**

Grab groundwater samples were collected from the previous three boring locations (GW-1 through GW-3) and from an additional boring advanced immediately downgradient of the former dry cleaner suite (GW-4) on July 15, 2016 (Figures 2 and 3). Soil at each of the boring locations were collected on a continuous basis for classification. During drilling, the soil cores were screened for VOCs using a photoionization detector (PID). The soil borings were described/classified in accordance with the United Soil Classification System, and boring logs for each of the sample locations are presented in Appendix B.

Each of the direct-push borings were advanced to a depth of approximately 16 to 17 feet below the ground surface for the collection of grab groundwater samples. Grab groundwater samples were collected from the two borings from the first water-bearing soils observed at approximately 12 to 16 feet below the ground surface. Following advancement of the boring to the desired sampling depth, a temporary PVC casing was placed within the casing. The PVC included a 0.01-inch slotted screen.

Groundwater was retrieved using dedicated disposable bailing equipment and was decanted into pre-cleaned, laboratory-provided glassware. Upon collection of samples, a sample label was placed on the sample, including a unique sample number, sample location, time/date collected, lab analysis, and the sampler's identification. The groundwater samples were placed in an ice-cooled chest and submitted under documented chain-of-custody to Torrent Laboratory, a State-accredited fixed-base analytical laboratory. The groundwater samples were analyzed for TPH-g and VOCs (EPA Method 8260).

## **4.0 ANALYTICAL RESULTS**

### **4.1 Soil Sampling**

Soil sampling was conducted during the initial characterization in 2015. Review of the laboratory test results (Table A) found detectable concentrations of CAM-17 metals, TPH-d, TPH-mo, as

well as trace concentrations of VOCs (m,p-xylene and o-xylene). CAM-17 metals detected in the soil samples included arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium and zinc. All concentrations of detected metals were below applicable screening levels, or within background concentrations observed in the San Francisco Bay Area, and would not be considered an environmental concern.

TPH-d and TPH-mo were detected at maximum concentrations of 14 and 230 milligrams per kilograms (mg/kg). All concentrations of TPH-d and TPH-mo were below corresponding screening levels and would not be considered an environmental concern.

Trace concentrations of m,p-xylene and o-xylene were the only VOCs detected during sampling and in only one soil sample collected from the Property. The trace VOCs would not be considered an environmental concern.

Table A provides a summary of the laboratory analyses for the soil samples. The laboratory results are presented in their entirety in Appendix A.

## **4.2 Groundwater Sampling**

Review of the laboratory test results from the initial characterization (Table B) found detectable concentrations of dissolved metals (including arsenic, barium, molybdenum, selenium, vanadium and zinc), TPH-g, and VOCs (including benzene, toluene, m,p-xylene, and naphthalene) in the groundwater samples collected from the Property. TPH-d and TPH-mo were not detected in any of the groundwater samples.

Groundwater analytical results were compared to the Regional Water Quality Control Board (RWQCB)'s groundwater environmental screening levels (ESLs)<sup>1</sup>, as well as the California Maximum Contaminant Levels (MCLs).

With the exception of arsenic, all reported concentrations of dissolved metals in groundwater are below corresponding screening levels and those metals are not considered an environmental concern. Dissolved arsenic was detected in two groundwater samples collected from the Property at concentrations exceeding both, the groundwater ESLs as well as the drinking water MCLs. However, since the shallow groundwater at the Property will not be used as a drinking water resource, arsenic would not be considered an environmental concern. TPH-g and other VOCs (benzene, toluene, m,p-xylene, and naphthalene) were detected at concentrations well below their corresponding screening levels and would not be considered an environmental concern.

During the supplemental characterization, groundwater samples were analyzed for TPH-g and VOCs. TPH-g and other VOCs (benzene, PCE, 1,2-dichloroethane, 1,1-dichloropropene) were detected at concentrations below their corresponding screening levels.

Table B provides a summary of the laboratory analyses for the groundwater samples. The laboratory results are presented in their entirety in Appendix A.

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<sup>1</sup> RWQCB – Groundwater Screening Levels, February 2016 (Rev. 3).

### 4.3 Soil Gas Sampling

As previously discussed, only two soil gas samples (SG-1 and SG-2) could be recovered from the Property during the initial characterization. Soil gas results were compared to the RWQCB soil gas screening levels<sup>2</sup>. Low concentrations of several VOCs were detected in both soil gas samples collected from the Property, all below their corresponding screening levels. The leak check compound 1,1-DFA was not detected in any of the samples.

During the supplemental characterization conducted in 2016, all concentrations of VOCs were below their corresponding screening levels, with the exception of the detection of PCE in two samples. Soil gas samples SG-6 (located within the former dry cleaning suite) and SG-9 (located west of the former dry cleaning suite), both exhibited PCE concentrations of 256 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), exceeding the corresponding screening level of 240 ( $\mu\text{g}/\text{m}^3$ ),

Table C provides a summary of the laboratory analyses for the groundwater samples. The laboratory results are presented in their entirety in Appendix A.

## 5.0 DISCUSSION & CONCLUSION

Review of the laboratory test results found detectable concentrations of metals, TPH-d, TPH-mo, as well as trace concentrations of VOCs in the soil samples collected from the Property. All concentrations of detected analytes were below their applicable screening levels for residential land use, or within background concentrations observed in the San Francisco Bay Area, and would not be considered an environmental concern.

Dissolved metals, TPH-g, and VOCs (benzene, toluene, m,p-xylene, and naphthalene) were detected in the groundwater samples collected from the Property. With the exception of dissolved arsenic, concentrations of all other analytes detected were well below corresponding screening levels and would not be considered an environmental concern. Dissolved arsenic was detected in two groundwater samples collected from the Property at concentrations exceeding both the groundwater ESLs as well as the drinking water MCLs. However, since the shallow groundwater at the Property will not be used as a drinking water resource, arsenic would not be considered an environmental concern.

VOCs were detected in soil gas samples collected from the Property; however, none of the reported VOCs exceeded the corresponding residential screening levels, with the exception of PCE in two soil gas samples.

Based on the findings of this phase II environmental site assessment, the following is recommended for the Property:

- A risk assessment should be considered to evaluate potential vapor intrusion concerns. In addition, the design and use of a vapor intrusion mitigation system (VIMS) may be considered as appropriate.

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<sup>2</sup> 1 Regional Water Quality Control Board, Subslab/Soil Gas Vapor Intrusion Human Health Risk Screening Levels (Volatile Chemicals Only), Table SG-1, February 2016.

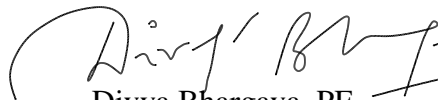


- A soil management plan (SMP) should be developed prior to demolition and construction to address potential unknown environmental issues with focus on the areas potentially affected by the in-ground hydraulic lifts, sumps and oil-water separator.

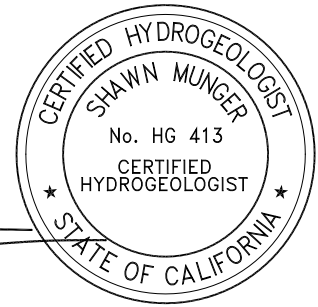
If you have any questions regarding this report, please contact us.

Sincerely,

ENGEO Incorporated



Divya Bhargava, PE  
db/sm/cjn



Shawn Munger, CHG

Attachments: Figures 1 to 3  
Tables A, B, and C  
Appendix A – Laboratory Analysis Reports

## **FIGURES**

**Figure 1 – Vicinity Map**

**Figure 2 – Site Plan with Proposed Development Overlay**

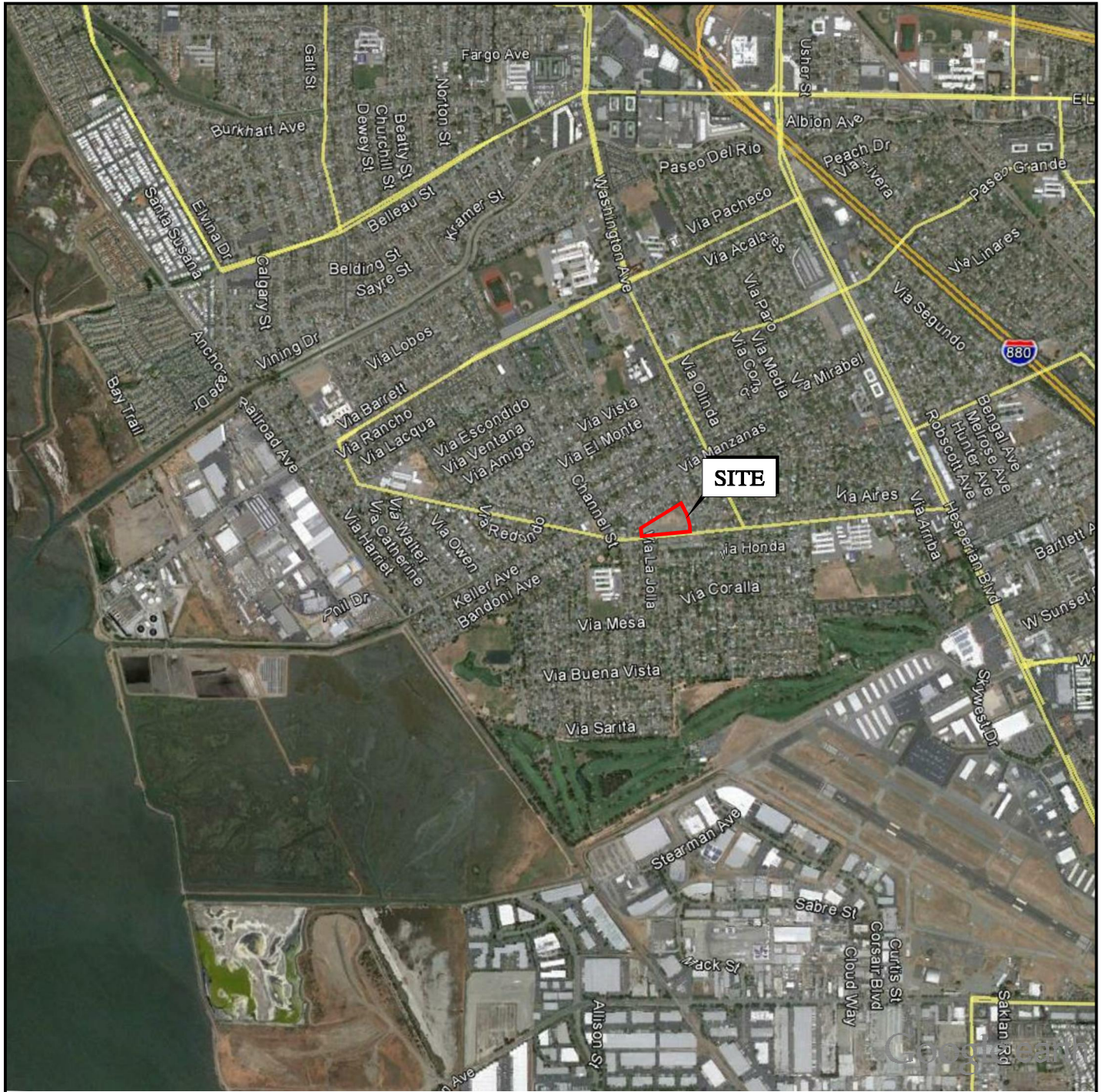
**Figure 3 – Site Plan with Historic Development Overlay**

12181.000.000

July 2, 2015

Revised August 2, 2016

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BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE



VICINITY MAP  
BOCKMAN ROAD PROPERTY  
SAN LORENZO, CALIFORNIA

PROJECT NO.: 12181.000.000

SCALE: AS SHOWN

DRAWN BY: LL

CHECKED BY: SM

FIGURE NO.

1

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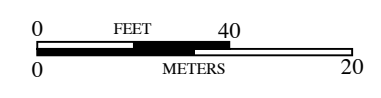


**EXPLANATION**

ALL LOCATIONS ARE APPROXIMATE

- SG-10 SOIL GAS SAMPLE (ENGEO, 2016)
- SG-4 SOIL GAS SAMPLE (ENGEO, 2015)
- S-3 SOIL SAMPLE (ENGEO, 2015)
- GW-4 GRAB GROUNDWATER SAMPLE (ENGEO, 2016)
- B-3 BORING (TREADWELL ROLLO, 2015)

- ⊕ TS-3A BORING (TERRASEARCH, 2004)
- ⊕ CPT-4 CONE PENETRATION TEST (TREADWELL ROLLO, 2015)



BASE MAP SOURCE: RJA, 2016, TREADHILL & ROLLO, 2015, AND TERRASEARCH, 2004

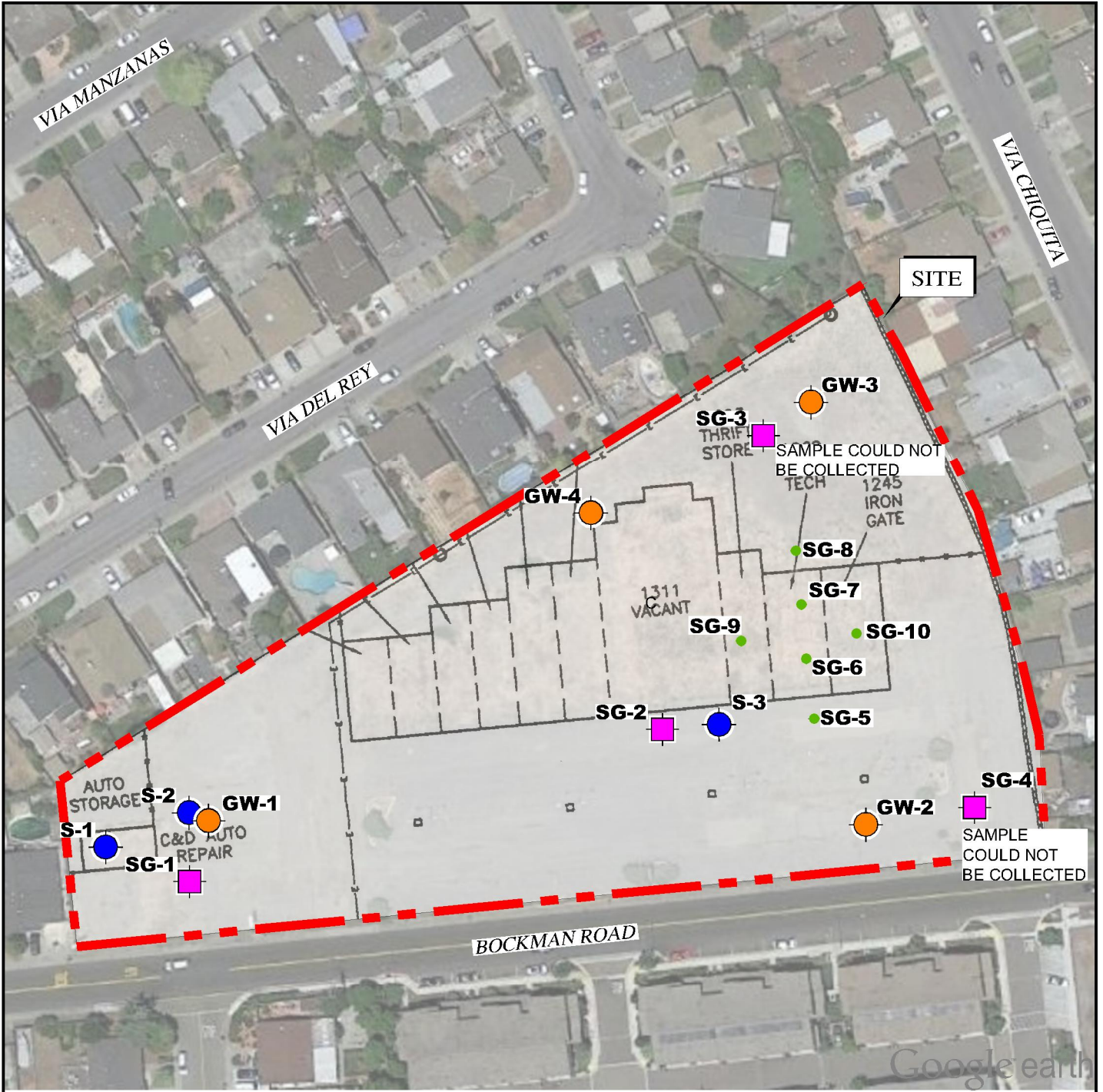


SITE PLAN WITH PROPOSED DEVELOPEMENT OVERLAY  
 BOCKMAN ROAD PROPERTY  
 SAN LORENZO, CALIFORNIA

PROJECT NO: 12181.000.000	FIGURE NO.
SCALE: AS SHOWN	2
DRAWN BY: LL	CHECKED BY: SM

ORIGINAL FIGURE PRINTED IN COLOR

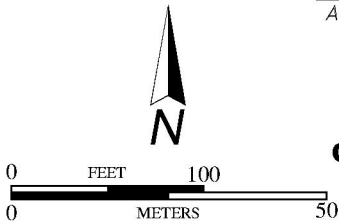
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**EXPLANATION**

ALL LOCATIONS ARE APPROXIMATE

- SG-10** SOIL GAS SAMPLE (ENGEO, 2016)
- S-3** SOIL SAMPLE (ENGEO, 2015)
- GW-4** GROUNDWATER SAMPLE (ENGEO, 2016)
- SG-4** SOIL GAS SAMPLE (ENGEO, 2015)



BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE AND SECOR, 2004

	<b>SITE PLAN WITH HISTORIC DEVELOPMENT OVERLAY</b> BOCKMAN ROAD PROPERTY SAN LORENZO, CALIFORNIA		PROJECT NO.: 12181.000.000 SCALE: AS SHOWN DRAWN BY: LL    CHECKED BY: SM	FIGURE NO. <span style="font-size: 2em; font-weight: bold;">3</span>
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## **TABLES**

**Table A – Summary of Soil Analytical Results**

**Table B – Summary of Groundwater Analytical Results**

**Table C – Summary of Soil Gas Analytical Results**

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July 2, 2015

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TABLE A - SUMMARY OF SOIL ANALYTICAL RESULTS

SAMPLE ID	DATE	DEPTH	Arsenic <sup>3</sup>	CAM-17 Metals									Total Petroleum Hydrocarbons			VOCs		
				Barium	Chromium	Cobalt	Copper	Lead <sup>2</sup>	Nickel	Vanadium	Zinc	Other Metals	TPH-gasoline	TPH-diesel	TPH-motor-oil	m,p-xylene	o-xylene	Other VOCs
				(ft.)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<b>RWQCB ESLs<sup>1</sup></b>			<b>0.67</b>	<b>1.5 E+04</b>	<b>--</b>	<b>23</b>	<b>3,100</b>	<b>80</b>	<b>820</b>	<b>390</b>	<b>2.3 E+04</b>	<b>N/A</b>	<b>740</b>	<b>230</b>	<b>1.1 E+04</b>	<b>560</b>	<b>560</b>	<b>N/A</b>
S-1 @1'	6/25/2015	1	<1.7	200	33	8.5	25	13	35	34	53	ND	<100	3.6	32	<10	<5	ND
S-1 @5'	6/25/2015	5	4.4	110	33	5.8	18	5.5	35	31	33	ND	<100	<2	<10	<10	<5	ND
S-1 @10'	6/25/2015	10	2.4	100	33	6.5	18	5.6	39	30	36	ND	<100	<2	<10	<10	<5	ND
S-2 @1'	6/25/2015	1	6.7	360	<5	7.1	26	7.6	9.8	40	59	ND	<100	<2	<10	17	5.6	ND
S-2 @5'	6/25/2015	5	3.7	150	41	13	26	8.3	41	35	42	ND	<100	<2	<10	<10	<5	ND
S-2 @10'	6/25/2015	10	4.4	75	26	5.2	14	4.9	29	29	29	ND	<100	<2	<10	<10	<5	ND
S-3 @1'	6/25/2015	1	<1.7	9.6	76	17	78	1.3	36	32	11	ND	<100	14	230	<10	<5	ND
S-3 @5'	6/25/2015	5	2.5	160	49	8.3	26	6.3	47	33	49	ND	<100	<2	17	<10	<5	ND
S-3 @10'	6/25/2015	10	6.7	110	32	5.1	17	5.6	33	37	33	ND	<100	<2	<10	<10	<5	ND

Notes:

N/A = not applicable

ND = not detected

<1.7 indicates result is less than the laboratory reporting limit of 1.7 mg/kg.

<sup>1</sup> San Francisco Regional Water Quality Control Board, Soil Direct Exposure Human Health Risk Screening Levels for Residential Scenario, Table S-1, February 2016.

<sup>2</sup> DTSC HERO HHRA Note 3 Screening Levels for Soil, June 2016.

<sup>3</sup> Although Arsenic concentrations exceeded the ESLs, concentrations are within background concentrations found in the San Francisco Bay Area.

Table B - Summary of Groundwater Analytical Results

SAMPLE	DATE	CAM-17 Metals (dissolved)							Total Petroleum Hydrocarbon			VOCs							
		Arsenic	Barium	Molybdenum	Selenium	Vanadium	Zinc	Other Metals	TPH-gasoline	TPH-diesel	TPH-motor-oil	Benzene	Toluene	m,p-xylene	Naphthalene	Tetrachloroethylene (PCE)	1,2-dichloroethane	1,1-dichloropropene	Other VOCs
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L				µg/L
<b>RWQCB ESLs<sup>1</sup></b>		0.01	1	0.1	0.05	0.05	5	N/A	100	100	100	1	40	20	20	3	0.5	--	N/A
<b>Drinking Water MCLs<sup>2</sup></b>		0.01	1	--	0.05	--	5	N/A	--	--	--	1	150	--	--	5	0.5	--	N/A
<b>INITIAL CHARACTERIZATION</b>																			
GW-1	6/25/2015	0.024	0.13	0.01	0.031	0.013	0.015	ND	51	<100	<400	0.48	0.42	0.26	0.28	<0.17	<0.17	<0.18	ND
GW-2	6/25/2015	0.011	0.11	0.043	0.033	<0.009	0.017	ND	<37	<100	<400	<0.15	<0.17	<0.16	<0.16	<0.17	<0.17	<0.18	ND
GW-3	6/25/2015	<0.009	0.09	0.016	<0.02	0.014	0.018	ND	<37	<100	<400	<0.15	<0.17	<0.16	<0.16	<0.17	<0.17	<0.18	ND
<b>SUPPLEMENTAL CHARACTERIZATION</b>																			
GW-1	7/15/2016	NA	NA	NA	NA	NA	NA	NA	<41	NA	NA	0.41	<0.2	<0.55	<1.7	0.62	0.15	<0.26	ND
GW-2	7/15/2016	NA	NA	NA	NA	NA	NA	NA	<41	NA	NA	<0.22	<0.2	<0.55	<1.7	<0.33	<0.15	<0.26	ND
GW-3	7/15/2016	NA	NA	NA	NA	NA	NA	NA	53.2	NA	NA	<0.22	<0.2	<0.55	<1.7	<0.33	0.13	0.5	ND
GW-4	7/15/2016	NA	NA	NA	NA	NA	NA	NA	<41	NA	NA	<0.22	<0.2	<0.55	<1.7	<0.33	<0.15	<0.26	ND

Notes:

ND = not detected

N/A = not applicable

NA = not analyzed

'--' means no Screening Level exists

<0.02 indicates result is less than the laboratory reporting limit of 0.02 mg/L.

<sup>1</sup> San Francisco Regional Water Quality Control Board, Groundwater Screening Levels, February 2016.

<sup>2</sup> California Drinking Water Maximum Contaminant Levels (MCLs).



TABLE C - SUMMARY OF SOIL GAS ANALYTICAL RESULTS

Sample ID	Date	Depth	1,1-Difluoroethane	1,3-Butadiene	Carbon disulfide	Acetone	2-Butanone (MEK)	Hexane	Chloroform	Toluene	Tetrachloroethylene (PCE)	4-Methyl-2-Pentanone (MIBK)	Benzene	Ethyl Benzene	m,p-Xylene	o-Xylene	1,2,4-trimethylbenzene	Other VOCs
			µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
RWQCB ESL <sup>1</sup>			-	-	-	1.60E+07	2.60E+06	-	61	1.60E+05	240	-	97	560	5.20E+04	5.20E+04	-	N/A
INITIAL CHARACTERIZATION																		
SG-1	6/25/2015	6	<0.75	1.32	1.63	25.7	<0.94	3.26	4.92	6.33	<1.4	<1.3	1.34	<1.5	<2.4	<1.2	<1	ND
SG-2	6/25/2015	6	<0.75	4.09	49.8	27.2	<0.94	29.2	<1.8	18.3	<1.4	4.61	2.45	1.81	11.6	3.23	1.1	ND
SUPPLEMENTAL CHARACTERIZATION																		
SG-10 @ 10'	6/24/2016	10	<1.0	2.24	34.4	54.1	99.8	261	<4.9	76.2	<1.8	<1.7	61.8	<2.0	6.97	<1.6	<2.5	ND
SG-5 @ 10'	6/24/2016	10	<13	<12	144	46.0	<17	<14	<4.9	<26	<24	<23	<19	<27	<44	<22	<2.5	ND
SG-6 @ 7'	6/24/2016	7	<1.4	<1.1	<3.1	34.0	<1.5	<1.8	<4.9	4.14	256	<2.1	<1.6	143	NR	260	<2.5	ND
SG-7 @ 10'	6/24/2016	10	3.42	7.79	56.8	10.6	23.3	184	<4.9	20.9	24.4	<2.0	21.9	<4.9	<9.9	<4.9	<2.5	ND
SG-8 @ 7'	6/24/2016	7	<1.4	6.14	58.6	<19	5.82	20.4	<4.9	19.1	16.7	9.59	9.18	232	890	282	<2.5	ND
SG-9 @ 7'	6/24/2016	7	<1.4	4.33	43.6	<19	<1.5	6.13	<4.9	9.96	256	<2.1	3.84	<2.2	4.69	<2.2	<2.5	ND

Notes:

ND = not detected

- means ESL does not exist.

<13 indicates result is less than the laboratory reporting limit of 13 µg/m<sup>3</sup>.

<sup>1</sup> Regional Water Quality Control Board, Subslab/Soil Gas Vapor Intrusion Human Health Risk Screening Levels (Volatile Chemicals Only), Table SG-1, February 2016.

**APPENDIX A**

**Laboratory Analysis Reports**

12181.000.000  
July 2, 2015  
Revised August 2, 2016



Engeo (San Ramon)  
2010 Crow Canyon Place, #250  
San Ramon, California 94583  
Tel: (925) 866-9000  
Fax: (925) 866-0199  
RE: Bockman Property

Work Order No.: 1506113

Dear Divya Bhargava:

Torrent Laboratory, Inc. received 2 sample(s) on June 25, 2015 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.

---

Yelena Brodskaya  
Technical Manager

June 30, 2015

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Date



**Date:** 6/30/2015

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**Client:** Engeo (San Ramon)

**Project:** Bockman Property

**Work Order:** 1506113

### **CASE NARRATIVE**

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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 Analytical, Inc.



### Sample Result Summary

Report prepared for: Divya Bhargava  
Engeo (San Ramon)

Date Received: 06/25/15

Date Reported: 06/30/15

SG-1

1506113-001A

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
1,3-Butadiene	ETO15	1.5	0.67	1.7	1.32
Carbon Disulfide	ETO15	1.5	1.2	4.7	1.63
Acetone	ETO15	1.5	1.3	29	25.7
Hexane	ETO15	1.5	0.79	2.6	3.26
Chloroform	ETO15	1.5	1.8	7.4	4.92
Benzene	ETO15	1.5	1.0	2.4	1.34
Toluene	ETO15	1.5	1.4	2.9	6.33

SG-2

1506113-002A

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
1,3-Butadiene	ETO15	1.5	0.67	1.7	4.09
Carbon Disulfide	ETO15	1.5	1.2	4.7	49.8
Acetone	ETO15	1.5	1.3	29	27.2
Hexane	ETO15	1.5	0.79	2.6	29.2
Benzene	ETO15	1.5	1.0	2.4	2.45
Toluene	ETO15	1.5	1.4	2.9	18.3
4-Methyl-2-Pentanone (MIBK)	ETO15	1.5	1.3	3.1	4.61
Ethyl Benzene	ETO15	1.5	1.5	3.2	1.81
m,p-Xylene	ETO15	1.5	2.4	6.5	11.6
o-Xylene	ETO15	1.5	1.2	3.2	3.23
1,2,4-Trimethylbenzene	ETO15	1.5	1.0	3.7	1.10



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	SG-1	<b>Lab Sample ID:</b>	1506113-001A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil Vapor
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/25/15 / 11:15	<b>Received PSI :</b>	12.3
<b>Canister/Tube ID:</b>	A7460	<b>Corrected PSI :</b>	
<b>Collection Volume (L):</b>			
<b>Tag Number:</b>	Bockman Property		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	ETO15	NA	06/26/15	1.5	2.3	7.5	ND	ND		425976	NA
1,1-Difluoroethane	ETO15	NA	06/26/15	1.5	0.75	2.0	ND	ND		425976	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	06/26/15	1.5	7.4	21	ND	ND		425976	NA
Chloromethane	ETO15	NA	06/26/15	1.5	0.48	1.6	ND	ND		425976	NA
Vinyl Chloride	ETO15	NA	06/26/15	1.5	1.0	3.9	ND	ND		425976	NA
1,3-Butadiene	ETO15	NA	06/26/15	1.5	0.67	1.7	1.32	0.60	J	425976	NA
Bromomethane	ETO15	NA	06/26/15	1.5	1.1	2.9	ND	ND		425976	NA
Chloroethane	ETO15	NA	06/26/15	1.5	0.75	2.0	ND	ND		425976	NA
Trichlorofluoromethane	ETO15	NA	06/26/15	1.5	2.7	8.4	ND	ND		425976	NA
1,1-Dichloroethene	ETO15	NA	06/26/15	1.5	0.92	3.0	ND	ND		425976	NA
Freon 113	ETO15	NA	06/26/15	1.5	1.3	5.8	ND	ND		425976	NA
Carbon Disulfide	ETO15	NA	06/26/15	1.5	1.2	4.7	1.63	0.53	J	425976	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	06/26/15	1.5	1.5	30	ND	ND		425976	NA
Methylene Chloride	ETO15	NA	06/26/15	1.5	0.88	42	ND	ND		425976	NA
Acetone	ETO15	NA	06/26/15	1.5	1.3	29	25.7	10.71	J	425976	NA
trans-1,2-Dichloroethene	ETO15	NA	06/26/15	1.5	0.96	3.0	ND	ND		425976	NA
Hexane	ETO15	NA	06/26/15	1.5	0.79	2.6	3.26	0.93		425976	NA
MTBE	ETO15	NA	06/26/15	1.5	1.3	2.7	ND	ND		425976	NA
tert-Butanol	ETO15	NA	06/26/15	1.5	1.4	13	ND	ND		425976	NA
Diisopropyl ether (DIPE)	ETO15	NA	06/26/15	1.5	1.3	3.2	ND	ND		425976	NA
1,1-Dichloroethane	ETO15	NA	06/26/15	1.5	1.1	3.1	ND	ND		425976	NA
ETBE	ETO15	NA	06/26/15	1.5	1.0	3.2	ND	ND		425976	NA
cis-1,2-Dichloroethene	ETO15	NA	06/26/15	1.5	0.81	3.0	ND	ND		425976	NA
Chloroform	ETO15	NA	06/26/15	1.5	1.8	7.4	4.92	1.00	J	425976	NA
Vinyl Acetate	ETO15	NA	06/26/15	1.5	0.85	2.6	ND	ND		425976	NA
Carbon Tetrachloride	ETO15	NA	06/26/15	1.5	1.3	4.7	ND	ND		425976	NA
1,1,1-Trichloroethane	ETO15	NA	06/26/15	1.5	1.3	4.1	ND	ND		425976	NA
2-Butanone (MEK)	ETO15	NA	06/26/15	1.5	0.94	2.3	ND	ND		425976	NA
Ethyl Acetate	ETO15	NA	06/26/15	1.5	1.1	2.7	ND	ND		425976	NA
Tetrahydrofuran	ETO15	NA	06/26/15	1.5	0.45	2.3	ND	ND		425976	NA
Benzene	ETO15	NA	06/26/15	1.5	1.0	2.4	1.34	0.42	J	425976	NA
TAME	ETO15	NA	06/26/15	1.5	0.54	3.2	ND	ND		425976	NA
1,2-Dichloroethane (EDC)	ETO15	NA	06/26/15	1.5	1.5	3.1	ND	ND		425976	NA
Trichloroethylene	ETO15	NA	06/26/15	1.5	2.1	8.1	ND	ND		425976	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	SG-1	<b>Lab Sample ID:</b>	1506113-001A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil Vapor
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/25/15 / 11:15	<b>Received PSI :</b>	12.3
<b>Canister/Tube ID:</b>	A7460	<b>Corrected PSI :</b>	
<b>Collection Volume (L):</b>			
<b>Tag Number:</b>	Bockman Property		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,2-Dichloropropane	ETO15	NA	06/26/15	1.5	2.0	6.9	ND	ND		425976	NA
Bromodichloromethane	ETO15	NA	06/26/15	1.5	1.3	5.0	ND	ND		425976	NA
1,4-Dioxane	ETO15	NA	06/26/15	1.5	1.9	5.4	ND	ND		425976	NA
trans-1,3-Dichloropropene	ETO15	NA	06/26/15	1.5	1.3	3.4	ND	ND		425976	NA
Toluene	ETO15	NA	06/26/15	1.5	1.4	2.9	6.33	1.67		425976	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	06/26/15	1.5	1.3	3.1	ND	ND		425976	NA
cis-1,3-Dichloropropene	ETO15	NA	06/26/15	1.5	1.7	3.4	ND	ND		425976	NA
Tetrachloroethylene	ETO15	NA	06/26/15	1.5	1.4	5.1	ND	ND		425976	NA
1,1,2-Trichloroethane	ETO15	NA	06/26/15	1.5	1.4	4.1	ND	ND		425976	NA
Dibromochloromethane	ETO15	NA	06/26/15	1.5	2.6	6.4	ND	ND		425976	NA
1,2-Dibromoethane (EDB)	ETO15	NA	06/26/15	1.5	3.1	12	ND	ND		425976	NA

**NOTE:** Reporting limits were raised due to limited sample volume (1-L).

**The results shown below are reported using their MDL.**

2-Hexanone	ETO15	NA	06/26/15	1.5	1.7	6.2	ND	ND		425976	NA
Ethyl Benzene	ETO15	NA	06/26/15	1.5	1.5	3.2	ND	ND		425976	NA
Chlorobenzene	ETO15	NA	06/26/15	1.5	1.1	3.5	ND	ND		425976	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	06/26/15	1.5	1.6	5.2	ND	ND		425976	NA
m,p-Xylene	ETO15	NA	06/26/15	1.5	2.4	6.5	ND	ND		425976	NA
o-Xylene	ETO15	NA	06/26/15	1.5	1.2	3.2	ND	ND		425976	NA
Styrene	ETO15	NA	06/26/15	1.5	1.0	3.3	ND	ND		425976	NA
Bromoform	ETO15	NA	06/26/15	1.5	1.7	7.5	ND	ND		425976	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	06/26/15	1.5	1.1	5.2	ND	ND		425976	NA
4-Ethyl Toluene	ETO15	NA	06/26/15	1.5	1.2	3.7	ND	ND		425976	NA
1,3,5-Trimethylbenzene	ETO15	NA	06/26/15	1.5	1.1	3.7	ND	ND		425976	NA
1,2,4-Trimethylbenzene	ETO15	NA	06/26/15	1.5	1.0	3.7	ND	ND		425976	NA
1,4-Dichlorobenzene	ETO15	NA	06/26/15	1.5	0.97	4.5	ND	ND		425976	NA
1,3-Dichlorobenzene	ETO15	NA	06/26/15	1.5	1.3	4.5	ND	ND		425976	NA
1,2-Dichlorobenzene	ETO15	NA	06/26/15	1.5	1.4	4.5	ND	ND		425976	NA
Hexachlorobutadiene	ETO15	NA	06/26/15	1.5	3.6	8.3	ND	ND		425976	NA
1,2,4-Trichlorobenzene	ETO15	NA	06/26/15	1.5	5.1	11	ND	ND		425976	NA
Naphthalene	ETO15	NA	06/26/15	1.5	2.2	7.8	ND	ND		425976	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/26/15	1.5	65	135	82.0 %			425976	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b> SG-2	<b>Lab Sample ID:</b> 1506113-002A
<b>Project Name/Location:</b> Bockman Property	<b>Sample Matrix:</b> Soil Vapor
<b>Project Number:</b> 12181.000.000	
<b>Date/Time Sampled:</b> 06/25/15 / 11:55	<b>Certified Clean WO # :</b>
<b>Canister/Tube ID:</b> 6126	<b>Received PSI :</b> 11.8
<b>Collection Volume (L):</b>	<b>Corrected PSI :</b>
<b>Tag Number:</b> Bockman Property	

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
-------------	-----------------	-----------	---------------	----	-----------	-----------	---------------	--------------	---------------	------------------	------------

*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	ETO15	NA	06/26/15	1.5	2.3	7.5	ND	ND		425976	NA
1,1-Difluoroethane	ETO15	NA	06/26/15	1.5	0.75	2.0	ND	ND		425976	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	06/26/15	1.5	7.4	21	ND	ND		425976	NA
Chloromethane	ETO15	NA	06/26/15	1.5	0.48	1.6	ND	ND		425976	NA
Vinyl Chloride	ETO15	NA	06/26/15	1.5	1.0	3.9	ND	ND		425976	NA
1,3-Butadiene	ETO15	NA	06/26/15	1.5	0.67	1.7	4.09	1.86		425976	NA
Bromomethane	ETO15	NA	06/26/15	1.5	1.1	2.9	ND	ND		425976	NA
Chloroethane	ETO15	NA	06/26/15	1.5	0.75	2.0	ND	ND		425976	NA
Trichlorofluoromethane	ETO15	NA	06/26/15	1.5	2.7	8.4	ND	ND		425976	NA
1,1-Dichloroethene	ETO15	NA	06/26/15	1.5	0.92	3.0	ND	ND		425976	NA
Freon 113	ETO15	NA	06/26/15	1.5	1.3	5.8	ND	ND		425976	NA
Carbon Disulfide	ETO15	NA	06/26/15	1.5	1.2	4.7	49.8	16.06		425976	NA
2-Propanol (Isopropyl Alcohol)	ETO15	NA	06/26/15	1.5	1.5	30	ND	ND		425976	NA
Methylene Chloride	ETO15	NA	06/26/15	1.5	0.88	42	ND	ND		425976	NA
Acetone	ETO15	NA	06/26/15	1.5	1.3	29	27.2	11.33	J	425976	NA
trans-1,2-Dichloroethene	ETO15	NA	06/26/15	1.5	0.96	3.0	ND	ND		425976	NA
Hexane	ETO15	NA	06/26/15	1.5	0.79	2.6	29.2	8.34		425976	NA
MTBE	ETO15	NA	06/26/15	1.5	1.3	2.7	ND	ND		425976	NA
tert-Butanol	ETO15	NA	06/26/15	1.5	1.4	13	ND	ND		425976	NA
Diisopropyl ether (DIPE)	ETO15	NA	06/26/15	1.5	1.3	3.2	ND	ND		425976	NA
1,1-Dichloroethane	ETO15	NA	06/26/15	1.5	1.1	3.1	ND	ND		425976	NA
ETBE	ETO15	NA	06/26/15	1.5	1.0	3.2	ND	ND		425976	NA
cis-1,2-Dichloroethene	ETO15	NA	06/26/15	1.5	0.81	3.0	ND	ND		425976	NA
Chloroform	ETO15	NA	06/26/15	1.5	1.8	7.4	ND	ND		425976	NA
Vinyl Acetate	ETO15	NA	06/26/15	1.5	0.85	2.6	ND	ND		425976	NA
Carbon Tetrachloride	ETO15	NA	06/26/15	1.5	1.3	4.7	ND	ND		425976	NA
1,1,1-Trichloroethane	ETO15	NA	06/26/15	1.5	1.3	4.1	ND	ND		425976	NA
2-Butanone (MEK)	ETO15	NA	06/26/15	1.5	0.94	2.3	ND	ND		425976	NA
Ethyl Acetate	ETO15	NA	06/26/15	1.5	1.1	2.7	ND	ND		425976	NA
Tetrahydrofuran	ETO15	NA	06/26/15	1.5	0.45	2.3	ND	ND		425976	NA
Benzene	ETO15	NA	06/26/15	1.5	1.0	2.4	2.45	0.77		425976	NA
TAME	ETO15	NA	06/26/15	1.5	0.54	3.2	ND	ND		425976	NA
1,2-Dichloroethane (EDC)	ETO15	NA	06/26/15	1.5	1.5	3.1	ND	ND		425976	NA
Trichloroethylene	ETO15	NA	06/26/15	1.5	2.1	8.1	ND	ND		425976	NA





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b> SG-2	<b>Lab Sample ID:</b> 1506113-002A
<b>Project Name/Location:</b> Bockman Property	<b>Sample Matrix:</b> Soil Vapor
<b>Project Number:</b> 12181.000.000	
<b>Date/Time Sampled:</b> 06/25/15 / 11:55	<b>Certified Clean WO # :</b>
<b>Canister/Tube ID:</b> 6126	<b>Received PSI :</b> 11.8
<b>Collection Volume (L):</b>	<b>Corrected PSI :</b>
<b>Tag Number:</b> Bockman Property	

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,2-Dichloropropane	ETO15	NA	06/26/15	1.5	2.0	6.9	ND	ND		425976	NA
Bromodichloromethane	ETO15	NA	06/26/15	1.5	1.3	5.0	ND	ND		425976	NA
1,4-Dioxane	ETO15	NA	06/26/15	1.5	1.9	5.4	ND	ND		425976	NA
trans-1,3-Dichloropropene	ETO15	NA	06/26/15	1.5	1.3	3.4	ND	ND		425976	NA
Toluene	ETO15	NA	06/26/15	1.5	1.4	2.9	18.3	4.82		425976	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	06/26/15	1.5	1.3	3.1	4.61	1.12		425976	NA
cis-1,3-Dichloropropene	ETO15	NA	06/26/15	1.5	1.7	3.4	ND	ND		425976	NA
Tetrachloroethylene	ETO15	NA	06/26/15	1.5	1.4	5.1	ND	ND		425976	NA
1,1,2-Trichloroethane	ETO15	NA	06/26/15	1.5	1.4	4.1	ND	ND		425976	NA
Dibromochloromethane	ETO15	NA	06/26/15	1.5	2.6	6.4	ND	ND		425976	NA
1,2-Dibromoethane (EDB)	ETO15	NA	06/26/15	1.5	3.1	12	ND	ND		425976	NA

**NOTE:** Reporting limits were raised due to limited sample volume (1-L).

**The results shown below are reported using their MDL.**

2-Hexanone	ETO15	NA	06/26/15	1.5	1.7	6.2	ND	ND		425976	NA
Ethyl Benzene	ETO15	NA	06/26/15	1.5	1.5	3.2	1.81	0.42	J	425976	NA
Chlorobenzene	ETO15	NA	06/26/15	1.5	1.1	3.5	ND	ND		425976	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	06/26/15	1.5	1.6	5.2	ND	ND		425976	NA
m,p-Xylene	ETO15	NA	06/26/15	1.5	2.4	6.5	11.6	2.70		425976	NA
o-Xylene	ETO15	NA	06/26/15	1.5	1.2	3.2	3.23	0.75		425976	NA
Styrene	ETO15	NA	06/26/15	1.5	1.0	3.3	ND	ND		425976	NA
Bromoform	ETO15	NA	06/26/15	1.5	1.7	7.5	ND	ND		425976	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	06/26/15	1.5	1.1	5.2	ND	ND		425976	NA
4-Ethyl Toluene	ETO15	NA	06/26/15	1.5	1.2	3.7	ND	ND		425976	NA
1,3,5-Trimethylbenzene	ETO15	NA	06/26/15	1.5	1.1	3.7	ND	ND		425976	NA
1,2,4-Trimethylbenzene	ETO15	NA	06/26/15	1.5	1.0	3.7	1.10	0.22	J	425976	NA
1,4-Dichlorobenzene	ETO15	NA	06/26/15	1.5	0.97	4.5	ND	ND		425976	NA
1,3-Dichlorobenzene	ETO15	NA	06/26/15	1.5	1.3	4.5	ND	ND		425976	NA
1,2-Dichlorobenzene	ETO15	NA	06/26/15	1.5	1.4	4.5	ND	ND		425976	NA
Hexachlorobutadiene	ETO15	NA	06/26/15	1.5	3.6	8.3	ND	ND		425976	NA
1,2,4-Trichlorobenzene	ETO15	NA	06/26/15	1.5	5.1	11	ND	ND		425976	NA
Naphthalene	ETO15	NA	06/26/15	1.5	2.2	7.8	ND	ND		425976	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/26/15	1.5	65	135	83.9 %			425976	NA



## MB Summary Report

<b>Work Order:</b>	1506113	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425976
<b>Units:</b>	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.30	1.00	ND		
1,1-Difluoroethane	0.18	10.0	ND		
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND		
Chloromethane	0.15	0.500	ND		
Vinyl Chloride	0.26	1.00	ND		
1,3-Butadiene	0.20	0.500	ND		
Bromomethane	0.18	0.500	ND		
Chloroethane	0.19	0.500	ND		
Trichlorofluoromethane	0.32	1.00	ND		
1,1-Dichloroethene	0.15	0.500	ND		
Freon 113	0.11	0.500	ND		
Carbon Disulfide	0.26	1.00	ND		
2-Propanol (Isopropyl Alcohol)	0.39	10.0	ND		
Methylene Chloride	0.17	8.00	ND		
Acetone	0.37	8.00	ND		
trans-1,2-Dichloroethene	0.16	0.500	ND		
Hexane	0.15	0.500	ND		
MTBE	0.24	0.500	ND		
tert-Butanol	0.22	2.00	ND		
Diisopropyl ether (DIPE)	0.21	0.500	ND		
1,1-Dichloroethane	0.18	0.500	ND		
ETBE	0.16	0.500	ND		
cis-1,2-Dichloroethene	0.13	0.500	ND		
Chloroform	0.25	1.00	ND		
Vinyl Acetate	0.16	0.500	ND		
Carbon Tetrachloride	0.14	0.500	ND		
1,1,1-Trichloroethane	0.15	0.500	ND		
2-Butanone (MEK)	0.21	0.500	ND		
Ethyl Acetate	0.21	0.500	ND		
Tetrahydrofuran	0.10	0.500	ND		
Benzene	0.21	0.500	ND		
TAME	0.086	0.500	ND		
1,2-Dichloroethane (EDC)	0.24	0.500	ND		
Trichloroethylene	0.26	1.00	ND		
1,2-Dichloropropane	0.29	1.00	ND		
Bromodichloromethane	0.13	0.500	ND		
1,4-Dioxane	0.35	1.00	ND		
trans-1,3-Dichloropropene	0.19	0.500	ND		
Toluene	0.25	0.500	ND		
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND		
cis-1,3-Dichloropropene	0.25	0.500	ND		



## MB Summary Report

<b>Work Order:</b>	1506113	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425976
<b>Units:</b>	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Tetrachloroethylene	0.13	0.500	ND		
1,1,2-Trichloroethane	0.17	0.500	ND		
Dibromochloromethane	0.20	0.500	ND		
1,2-Dibromoethane (EDB)	0.27	1.00	ND		
2-Hexanone	0.27	1.00	ND		
Ethyl Benzene	0.23	0.500	ND		
Chlorobenzene	0.15	0.500	ND		
1,1,1,2-Tetrachloroethane	0.15	0.500	ND		
m,p-Xylene	0.38	1.00	ND		
o-Xylene	0.19	0.500	ND		
Styrene	0.16	0.500	ND		
Bromoform	0.11	0.500	ND		
1,1,2,2-Tetrachloroethane	0.10	0.500	ND		
4-Ethyl Toluene	0.17	0.500	ND		
1,3,5-Trimethylbenzene	0.15	0.500	ND		
1,2,4-Trimethylbenzene	0.14	0.500	ND		
1,4-Dichlorobenzene	0.11	0.500	ND		
1,3-Dichlorobenzene	0.14	0.500	ND		
1,2-Dichlorobenzene	0.15	0.500	ND		
Hexachlorobutadiene	0.22	0.500	ND		
1,2,4-Trichlorobenzene	0.46	1.00	ND		
Naphthalene	0.28	1.00	ND		
(S) 4-Bromofluorobenzene			78.3		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1506113	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425976
<b>Units:</b>	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	0.15	0.500	ND	8	80.0	78.3	2.21	65 - 135	30	
Benzene	0.21	0.500	ND	8	84.4	82.0	2.85	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	8	87.4	80.3	8.50	65 - 135	30	
Toluene	0.25	0.500	ND	8	88.6	81.4	8.53	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	8	81.6	76.9	5.99	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	8	101	88.8		65 - 135		



## Laboratory Qualifiers and Definitions

### DEFINITIONS:

<b>Accuracy/Bias (% Recovery)</b> - The closeness of agreement between an observed value and an accepted reference value.
<b>Blank (Method/Preparation Blank)</b> -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.
<b>Duplicate</b> - 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)
<b>Laboratory Control Sample (LCS ad LCSD)</b> - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
<b>Matrix</b> - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
<b>Matrix Spike (MS/MSD)</b> - 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.
<b>Method Detection Limit (MDL)</b> - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
<b>Practical Quantitation Limit (PQL)</b> - 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 reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
<b>Precision (%RPD)</b> - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
<b>Surrogate (S) or (Surr)</b> - 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
<b>Tentatively Identified Compound (TIC)</b> - 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.
<b>Units:</b> the unit of measure used to express the reported result - <b>mg/L</b> and <b>mg/Kg</b> (equivalent to PPM - parts per million in <b>liquid</b> and <b>solid</b> ), <b>ug/L</b> and <b>ug/Kg</b> (equivalent to PPB - parts per billion in <b>liquid</b> and <b>solid</b> ), <b>ug/m<sup>3</sup></b> , <b>mg.m<sup>3</sup></b> , <b>ppbv</b> and <b>ppmv</b> (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), <b>ug/Wipe</b> ( concentration found on the surface of a single Wipe usually taken over a 100cm <sup>2</sup> surface)

### LABORATORY QUALIFIERS:

<p><b>B</b> - Indicates when the analyte is found in the associated method or preparation blank</p> <p><b>D</b> - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p><b>E</b> - 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><b>H</b>- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p><b>J</b>- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p><b>NA</b> - Not Analyzed</p> <p><b>N/A</b> - Not Applicable</p> <p><b>NR</b> - 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><b>R</b>- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p><b>S</b>- 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><b>X</b> -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>
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## Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Date and Time Received: 6/25/2015 18:37

Project Name: Bockman Property

Received By: ng

Work Order No.: 1506113

Physically Logged By: ng

Checklist Completed By: ng

Carrier Name: First Courier

### Chain of Custody (COC) Information

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

### Sample Receipt Information

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

### Sample Preservation and Hold Time (HT) Information

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

Air samples in suma canisters received at ambient.



# CHAIN OF CUSTODY RECORD

1506113

PROJECT NUMBER 12181.000.000		PROJECT NAME Bockman Property					TPH-gasoline	TPH-d/metallica gel	VOCs	OCPs	CAM-17	REMARKS REQUIRED DETECTION LIMITS
SAMPLED BY: (SIGNATURE/PRINT) <i>[Signature]</i> Robert Peck		PROJECT MANAGER: (SIGNATURE/PRINT) Divya B.										
ROUTING: E-MAIL rpeck@engeo.com		HARD COPY										
SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE						
001A SG-1	8/25/2015	11:15	vapor	1	Summa							
002A SG-2	8/25/2015	11:55	vapor	1								
SG-3	8/25/2015		vapor									
SG-4	8/25/2015	12:30	vapor									
S-1e1	8/25/2015	15:45	soil	1	liac	ICE	X	X	X	X	X	
S-1e5	8/25/2015	15:50		1			X	X	X		X	
S-1e10	8/25/2015	16:00		1			X	X	X		X	
S-2e1	8/25/2015	10:30		1			X	X	X	X	X	
S-2e5	8/25/2015	10:32		1			X	X	X		X	
S-2e10	8/25/2015	10:45		1			X	X	X		X	
S-3e1	8/25/2015	15:05		1			X	X	X	X	X	
S-3e5	8/25/2015	15:10		1			X	X	X		X	
S-3e10	8/25/2015	15:15		1			X	X	X		X	
S-4e1	8/25/2015	15:30		1					X			
GW-1	8/25/2015	11:00	H <sub>2</sub> O	6		3 VOAs, 2 Amber Poly	X	X	X		X	
GW-2	8/25/2015	12:30	H <sub>2</sub> O	6			X	X	X		X	
GW-3	8/25/2015	14:00	H <sub>2</sub> O	6			X	X	X		X	Rinsed HCl from VOAs
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE/TIME 6/25/15 17:40		RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE/TIME 6/25/15 6:37		RECEIVED BY: (SIGNATURE) D. Imbar		
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE/TIME		REMARKS - 3 Day TAT - filter water for CAM-17 analysis Leak check: DFA GW-3: HCl was rinsed from VOAs				

**ENGEO**  
INCORPORATED

2010 CROW CANYON PLACE SUITE 250  
SAN RAMON, CALIFORNIA 94583  
(925) 866-9000 FAX (888) 279-2698  
WWW.ENGEO.COM

REC'D LING LBLING LIR

FC

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES



Engeo (San Ramon)  
2010 Crow Canyon Place, #250  
San Ramon, California 94583  
Tel: (925) 866-9000  
Fax: (925) 866-0199  
RE: Bockman Property

Work Order No.: 1506114

Dear Divya Bhargava:

Torrent Laboratory, Inc. received 13 sample(s) on June 25, 2015 for the analyses presented in the following Report.

As client determined it was not necessary to analyze the soil samples for OCPs, no data is reported for sample 010.

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.

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Yelena Brodskaya  
Technical Manager

June 30, 2015

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Date





**Date:** 6/30/2015

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**Client:** Engeo (San Ramon)

**Project:** Bockman Property

**Work Order:** 1506114

### **CASE NARRATIVE**

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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 Analytical, Inc.



### Sample Result Summary

Report prepared for: Divya Bhargava  
Engco (San Ramon)

Date Received: 06/25/15  
Date Reported: 06/30/15  
1506114-001

S-1 @ 1

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.07	5.0	200	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	33	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.5	mg/Kg
Copper	SW6010B	1	0.650	5.0	25	mg/Kg
Lead	SW6010B	1	0.14	1.0	13	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	35	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	34	mg/Kg
Zinc	SW6010B	1	0.25	5.0	53	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	1	0.66	2.0	3.6	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	32	mg/Kg

S-1 @ 5

1506114-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.25	1.7	4.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	110	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	33	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.8	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.5	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	35	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	31	mg/Kg
Zinc	SW6010B	1	0.25	5.0	33	mg/Kg



### Sample Result Summary

Report prepared for: Divya Bhargava  
Engeo (San Ramon)

Date Received: 06/25/15  
Date Reported: 06/30/15  
1506114-003

S-1 @ 10

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.25	1.7	2.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	100	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	33	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	6.5	mg/Kg
Copper	SW6010B	1	0.650	5.0	18	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.6	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	39	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	30	mg/Kg
Zinc	SW6010B	1	0.25	5.0	36	mg/Kg

S-2 @ 1

1506114-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.25	1.7	6.7	mg/Kg
Barium	SW6010B	1	0.07	5.0	360	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.1	mg/Kg
Copper	SW6010B	1	0.650	5.0	26	mg/Kg
Lead	SW6010B	1	0.14	1.0	7.6	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	9.8	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	40	mg/Kg
Zinc	SW6010B	1	0.25	5.0	59	mg/Kg
m,p-Xylene	SW8260B	1	1.9	10	17	ug/Kg
o-Xylene	SW8260B	1	0.66	5.0	5.6	ug/Kg



### Sample Result Summary

Report prepared for: Divya Bhargava  
Engeo (San Ramon)

Date Received: 06/25/15  
Date Reported: 06/30/15  
1506114-005

S-2 @ 5

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.25	1.7	3.7	mg/Kg
Barium	SW6010B	1	0.07	5.0	150	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	41	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	13	mg/Kg
Copper	SW6010B	1	0.650	5.0	26	mg/Kg
Lead	SW6010B	1	0.14	1.0	8.3	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	41	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	35	mg/Kg
Zinc	SW6010B	1	0.25	5.0	42	mg/Kg

S-2 @ 10

1506114-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.25	1.7	4.4	mg/Kg
Barium	SW6010B	1	0.07	5.0	75	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	26	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.2	mg/Kg
Copper	SW6010B	1	0.650	5.0	14	mg/Kg
Lead	SW6010B	1	0.14	1.0	4.9	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	29	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	29	mg/Kg
Zinc	SW6010B	1	0.25	5.0	29	mg/Kg



### Sample Result Summary

Report prepared for: Divya Bhargava  
 Engeo (San Ramon)

Date Received: 06/25/15  
 Date Reported: 06/30/15  
 1506114-007

S-3 @ 1

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.07	5.0	9.6	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	76	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	17	mg/Kg
Copper	SW6010B	1	0.650	5.0	78	mg/Kg
Lead	SW6010B	1	0.14	1.0	1.3	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	36	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	32	mg/Kg
Zinc	SW6010B	1	0.25	5.0	11	mg/Kg
TPH as Diesel (SG)	SW8015B(M)	5	3.3	10	14	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	5	5.1	52	230	mg/Kg

S-3 @ 5

1506114-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.25	1.7	2.5	mg/Kg
Barium	SW6010B	1	0.07	5.0	160	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	49	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	8.3	mg/Kg
Copper	SW6010B	1	0.650	5.0	26	mg/Kg
Lead	SW6010B	1	0.14	1.0	6.3	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	47	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	33	mg/Kg
Zinc	SW6010B	1	0.25	5.0	49	mg/Kg
TPH as Motor Oil (SG)	SW8015B(M)	1	1.0	10	17	mg/Kg



## Sample Result Summary

Report prepared for: Divya Bhargava  
 Engeo (San Ramon)

Date Received: 06/25/15

Date Reported: 06/30/15

S-3 @ 10

1506114-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.25	1.7	6.7	mg/Kg
Barium	SW6010B	1	0.07	5.0	110	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	32	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	5.1	mg/Kg
Copper	SW6010B	1	0.650	5.0	17	mg/Kg
Lead	SW6010B	1	0.14	1.0	5.6	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	33	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	37	mg/Kg
Zinc	SW6010B	1	0.25	5.0	33	mg/Kg

GW-1

1506114-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Benzene	SW8260B	1.17	0.15	0.59	0.48	ug/L
Toluene	SW8260B	1.17	0.17	0.59	0.42	ug/L
m,p-Xylene	SW8260B	1.17	0.16	1.2	0.26	ug/L
Naphthalene	SW8260B	1.17	0.16	1.2	0.28	ug/L
TPH as Gasoline	8260TPH	1.17	37	59	51	ug/L
Arsenic (Dissolved)	SW6010B	1	0.005	0.009	0.024	mg/L
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.13	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.010	mg/L
Selenium (Dissolved)	SW6010B	1	0.004	0.02	0.031	mg/L
Vanadium (Dissolved)	SW6010B	1	0.004	0.009	0.013	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.015	mg/L



### Sample Result Summary

Report prepared for: Divya Bhargava  
Engeo (San Ramon)

Date Received: 06/25/15  
Date Reported: 06/30/15  
1506114-012

**GW-2**

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic (Dissolved)	SW6010B	1	0.005	0.009	0.011	mg/L
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.11	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.043	mg/L
Selenium (Dissolved)	SW6010B	1	0.004	0.02	0.033	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.017	mg/L

**GW-3**

1506114-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium (Dissolved)	SW6010B	1	0.002	0.009	0.090	mg/L
Molybdenum (Dissolved)	SW6010B	1	0.002	0.009	0.016	mg/L
Vanadium (Dissolved)	SW6010B	1	0.004	0.009	0.014	mg/L
Zinc (Dissolved)	SW6010B	1	0.002	0.009	0.018	mg/L



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 1	<b>Lab Sample ID:</b>	1506114-001A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	ND		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	200		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	33		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	8.5		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	25		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	13		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	35		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	34		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	53		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 1	<b>Lab Sample ID:</b>	1506114-001A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 1	<b>Lab Sample ID:</b>	1506114-001A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	ND		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	88.0		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	95.7		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	92.7		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	85.1		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 1	<b>Lab Sample ID:</b>	1506114-001A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.66	2.0	3.6	x	mg/Kg	425987	14727
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	1.0	10	32		mg/Kg	425987	14727
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	49.9	144	77.8		%	425987	14727

**NOTE:** x- Diesel result due to over-lapping of oil range organics within diesel quantified range



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 5	<b>Lab Sample ID:</b>	1506114-002A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:50		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	4.4		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	110		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	33		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	5.8		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	18		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	5.5		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	35		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	31		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	33		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 5	<b>Lab Sample ID:</b>	1506114-002A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:50		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 5	<b>Lab Sample ID:</b>	1506114-002A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:50		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	ND		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	87.9		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	95.6		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	90.5		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	84.5		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 5	<b>Lab Sample ID:</b>	1506114-002A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:50		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.66	2.0	ND		mg/Kg	425987	14727
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	1.0	10	ND		mg/Kg	425987	14727
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	49.9	144	73.1		%	425987	14727



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 10	<b>Lab Sample ID:</b>	1506114-003A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 16:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	2.4		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	100		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	33		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	6.5		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	18		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	5.6		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	39		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	30		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	36		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 10	<b>Lab Sample ID:</b>	1506114-003A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 16:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 10	<b>Lab Sample ID:</b>	1506114-003A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 16:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	ND		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	88.0		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	94.7		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	87.6		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	96.0		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-1 @ 10	<b>Lab Sample ID:</b>	1506114-003A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 16:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.66	2.0	ND		mg/Kg	425987	14727
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	1.0	10	ND		mg/Kg	425987	14727
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	49.9	144	85.8		%	425987	14727



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 1	<b>Lab Sample ID:</b>	1506114-004A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	6.7		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	360		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	ND		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	7.1		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	26		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	7.6		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	9.8		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	40		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	59		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 1	<b>Lab Sample ID:</b>	1506114-004A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 1	<b>Lab Sample ID:</b>	1506114-004A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	17		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	5.6		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	90.6		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	95.7		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	107		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	70.1		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 1	<b>Lab Sample ID:</b>	1506114-004A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.66	2.0	ND		mg/Kg	425987	14727
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	1.0	10	ND		mg/Kg	425987	14727
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	49.9	144	86.1		%	425987	14727



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 5	<b>Lab Sample ID:</b>	1506114-005A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:32		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	3.7		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	150		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	41		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	13		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	26		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	8.3		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	41		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	35		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	42		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 5	<b>Lab Sample ID:</b>	1506114-005A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:32		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 5	<b>Lab Sample ID:</b>	1506114-005A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:32		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	ND		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	93.4		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	96.8		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	94.7		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	80.3		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 5	<b>Lab Sample ID:</b>	1506114-005A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:32		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.66	2.0	ND		mg/Kg	425987	14727
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	1.0	10	ND		mg/Kg	425987	14727
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	49.9	144	92.9		%	425987	14727



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 10	<b>Lab Sample ID:</b>	1506114-006A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	4.4		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	75		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	26		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	5.2		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	14		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	4.9		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	29		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	29		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	29		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 10	<b>Lab Sample ID:</b>	1506114-006A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 10	<b>Lab Sample ID:</b>	1506114-006A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	ND		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	94.0		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	96.5		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	93.6		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	67.6		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-2 @ 10	<b>Lab Sample ID:</b>	1506114-006A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 10:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.66	2.0	ND		mg/Kg	425987	14727
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	1.0	10	ND		mg/Kg	425987	14727
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	49.9	144	71.6		%	425987	14727



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 1	<b>Lab Sample ID:</b>	1506114-007A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:05		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	ND		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	9.6		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	76		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	17		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	78		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	1.3		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	36		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	32		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	11		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 1	<b>Lab Sample ID:</b>	1506114-007A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:05		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 1	<b>Lab Sample ID:</b>	1506114-007A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:05		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	ND		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	89.3		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	94.5		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	91.1		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	71.9		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 1	<b>Lab Sample ID:</b>	1506114-007A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:05		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/29/15	06/29/15	5	3.3	10	14	x	mg/Kg	425987	14729
TPH as Motor Oil (SG)	SW8015B(M)	6/29/15	06/29/15	5	5.1	52	230		mg/Kg	425987	14729
Pentacosane (S)	SW8015B(M)	6/29/15	06/29/15	5	49.9	144	53.8		%	425987	14729

**NOTE:** x- Diesel result due to over-lapping of oil range organics within diesel quantified range



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 5	<b>Lab Sample ID:</b>	1506114-008A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:10		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	2.5		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	160		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	49		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	8.3		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	26		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	6.3		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	47		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	33		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	49		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 5	<b>Lab Sample ID:</b>	1506114-008A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:10		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 5	<b>Lab Sample ID:</b>	1506114-008A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:10		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	ND		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	92.9		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	98.3		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	93.0		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	67.3		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 5	<b>Lab Sample ID:</b>	1506114-008A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:10		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/29/15	06/29/15	1	0.66	2.0	ND		mg/Kg	425987	14729
TPH as Motor Oil (SG)	SW8015B(M)	6/29/15	06/29/15	1	1.0	10	17		mg/Kg	425987	14729
Pentacosane (S)	SW8015B(M)	6/29/15	06/29/15	1	49.9	144	104		%	425987	14729



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 10	<b>Lab Sample ID:</b>	1506114-009A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:15		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	6/26/15	06/26/15	1	0.20	5.0	ND		mg/Kg	425978	14720
Arsenic	SW6010B	6/26/15	06/26/15	1	0.25	1.7	6.7		mg/Kg	425978	14720
Barium	SW6010B	6/26/15	06/26/15	1	0.07	5.0	110		mg/Kg	425978	14720
Beryllium	SW6010B	6/26/15	06/26/15	1	0.0800	2.0	ND		mg/Kg	425978	14720
Cadmium	SW6010B	6/26/15	06/26/15	1	0.0550	1.0	ND		mg/Kg	425978	14720
Chromium	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	32		mg/Kg	425978	14720
Cobalt	SW6010B	6/26/15	06/26/15	1	0.055	5.0	5.1		mg/Kg	425978	14720
Copper	SW6010B	6/26/15	06/26/15	1	0.650	5.0	17		mg/Kg	425978	14720
Lead	SW6010B	6/26/15	06/26/15	1	0.14	1.0	5.6		mg/Kg	425978	14720
Molybdenum	SW6010B	6/26/15	06/26/15	1	0.120	5.0	ND		mg/Kg	425978	14720
Nickel	SW6010B	6/26/15	06/26/15	1	0.0500	5.0	33		mg/Kg	425978	14720
Selenium	SW6010B	6/26/15	06/26/15	1	0.42	5.0	ND		mg/Kg	425978	14720
Silver	SW6010B	6/26/15	06/26/15	1	0.37	5.0	ND		mg/Kg	425978	14720
Thallium	SW6010B	6/26/15	06/26/15	1	0.49	7.5	ND		mg/Kg	425978	14720
Vanadium	SW6010B	6/26/15	06/26/15	1	0.18	5.0	37		mg/Kg	425978	14720
Zinc	SW6010B	6/26/15	06/26/15	1	0.25	5.0	33		mg/Kg	425978	14720

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	6/26/15	06/29/15	1	0.2	0.50	ND		mg/Kg	425980	14723





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 10	<b>Lab Sample ID:</b>	1506114-009A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:15		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/29/15	1	4.4	10	ND		ug/Kg	425995	NA
Chloromethane	SW8260B	NA	06/29/15	1	4.6	10	ND		ug/Kg	425995	NA
Vinyl Chloride	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
Bromomethane	SW8260B	NA	06/29/15	1	4.7	10	ND		ug/Kg	425995	NA
Trichlorofluoromethane	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
1,1-Dichloroethene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
Freon 113	SW8260B	NA	06/29/15	1	3.7	10	ND		ug/Kg	425995	NA
Methylene Chloride	SW8260B	NA	06/29/15	1	2.0	50	ND		ug/Kg	425995	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
MTBE	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
tert-Butanol	SW8260B	NA	06/29/15	1	21	50	ND		ug/Kg	425995	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,1-Dichloroethane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
ETBE	SW8260B	NA	06/29/15	1	2.4	10	ND		ug/Kg	425995	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
2,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Bromochloromethane	SW8260B	NA	06/29/15	1	2.3	10	ND		ug/Kg	425995	NA
Chloroform	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
Carbon Tetrachloride	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
1,1,1-Trichloroethane	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Benzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
TAME	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dichloroethane	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Trichloroethylene	SW8260B	NA	06/29/15	1	3.9	10	ND		ug/Kg	425995	NA
Dibromomethane	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichloropropane	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
Bromodichloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Toluene	SW8260B	NA	06/29/15	1	0.98	10	ND		ug/Kg	425995	NA
Tetrachloroethylene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2-Trichloroethane	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
Dibromochloromethane	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,3-Dichloropropane	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
1,2-Dibromoethane	SW8260B	NA	06/29/15	1	1.7	10	ND		ug/Kg	425995	NA
Ethyl Benzene	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 10	<b>Lab Sample ID:</b>	1506114-009A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:15		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	0.86	10	ND		ug/Kg	425995	NA
m,p-Xylene	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
o-Xylene	SW8260B	NA	06/29/15	1	0.66	5.0	ND		ug/Kg	425995	NA
Styrene	SW8260B	NA	06/29/15	1	0.77	10	ND		ug/Kg	425995	NA
Bromoform	SW8260B	NA	06/29/15	1	1.9	10	ND		ug/Kg	425995	NA
Isopropyl Benzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
n-Propylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
Bromobenzene	SW8260B	NA	06/29/15	1	1.2	10	ND		ug/Kg	425995	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/29/15	1	3.0	10	ND		ug/Kg	425995	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
1,2,3-Trichloropropane	SW8260B	NA	06/29/15	1	3.3	10	ND		ug/Kg	425995	NA
4-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
2-Chlorotoluene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
tert-Butylbenzene	SW8260B	NA	06/29/15	1	1.4	10	ND		ug/Kg	425995	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/29/15	1	1.1	10	ND		ug/Kg	425995	NA
sec-Butyl Benzene	SW8260B	NA	06/29/15	1	1.6	10	ND		ug/Kg	425995	NA
p-Isopropyltoluene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
1,3-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.8	10	ND		ug/Kg	425995	NA
1,4-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.5	10	ND		ug/Kg	425995	NA
n-Butylbenzene	SW8260B	NA	06/29/15	1	2.2	10	ND		ug/Kg	425995	NA
1,2-Dichlorobenzene	SW8260B	NA	06/29/15	1	1.3	10	ND		ug/Kg	425995	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/29/15	1	4.2	10	ND		ug/Kg	425995	NA
Hexachlorobutadiene	SW8260B	NA	06/29/15	1	2.6	10	ND		ug/Kg	425995	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.1	10	ND		ug/Kg	425995	NA
Naphthalene	SW8260B	NA	06/29/15	1	2.8	10	ND		ug/Kg	425995	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/29/15	1	2.9	10	ND		ug/Kg	425995	NA
(S) Dibromofluoromethane	SW8260B	NA	06/29/15	1	59.8	148	87.1		%	425995	NA
(S) Toluene-d8	SW8260B	NA	06/29/15	1	55.2	133	95.0		%	425995	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/29/15	1	55.8	141	88.7		%	425995	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/29/15	06/29/15	1	30	100	ND		ug/Kg	425995	14735
(S) 4-Bromofluorobenzene	8260TPH	6/29/15	06/29/15	1	43.9	127	74.1		%	425995	14735



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	S-3 @ 10	<b>Lab Sample ID:</b>	1506114-009A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Soil
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 15:15		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/29/15	06/29/15	1	0.66	2.0	ND		mg/Kg	425987	14729
TPH as Motor Oil (SG)	SW8015B(M)	6/29/15	06/29/15	1	1.0	10	ND		mg/Kg	425987	14729
Pentacosane (S)	SW8015B(M)	6/29/15	06/29/15	1	49.9	144	55.5		%	425987	14729



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-1	<b>Lab Sample ID:</b>	1506114-011A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 11:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	NA	06/26/15	1.17	0.21	0.59	ND		ug/L	425975	NA
Chloromethane	SW8260B	NA	06/26/15	1.17	0.19	0.59	ND		ug/L	425975	NA
Vinyl Chloride	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
Bromomethane	SW8260B	NA	06/26/15	1.17	0.21	0.59	ND		ug/L	425975	NA
Trichlorofluoromethane	SW8260B	NA	06/26/15	1.17	0.21	0.59	ND		ug/L	425975	NA
1,1-Dichloroethene	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
Freon 113	SW8260B	NA	06/26/15	1.17	0.23	0.59	ND		ug/L	425975	NA
Methylene Chloride	SW8260B	NA	06/26/15	1.17	0.27	5.9	ND		ug/L	425975	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/26/15	1.17	0.23	0.59	ND		ug/L	425975	NA
MTBE	SW8260B	NA	06/26/15	1.17	0.20	0.59	ND		ug/L	425975	NA
tert-Butanol	SW8260B	NA	06/26/15	1.17	1.8	5.9	ND		ug/L	425975	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/26/15	1.17	0.15	0.59	ND		ug/L	425975	NA
1,1-Dichloroethane	SW8260B	NA	06/26/15	1.17	0.15	0.59	ND		ug/L	425975	NA
ETBE	SW8260B	NA	06/26/15	1.17	0.20	0.59	ND		ug/L	425975	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/26/15	1.17	0.23	0.59	ND		ug/L	425975	NA
2,2-Dichloropropane	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
Bromochloromethane	SW8260B	NA	06/26/15	1.17	0.24	0.59	ND		ug/L	425975	NA
Chloroform	SW8260B	NA	06/26/15	1.17	0.15	0.59	ND		ug/L	425975	NA
Carbon Tetrachloride	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
1,1,1-Trichloroethane	SW8260B	NA	06/26/15	1.17	0.11	0.59	ND		ug/L	425975	NA
1,1-Dichloropropene	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
Benzene	SW8260B	NA	06/26/15	1.17	0.15	0.59	0.48	J	ug/L	425975	NA
TAME	SW8260B	NA	06/26/15	1.17	0.20	0.59	ND		ug/L	425975	NA
1,2-Dichloroethane	SW8260B	NA	06/26/15	1.17	0.17	0.59	ND		ug/L	425975	NA
Trichloroethylene	SW8260B	NA	06/26/15	1.17	0.15	0.59	ND		ug/L	425975	NA
Dibromomethane	SW8260B	NA	06/26/15	1.17	0.17	0.59	ND		ug/L	425975	NA
1,2-Dichloropropane	SW8260B	NA	06/26/15	1.17	0.20	0.59	ND		ug/L	425975	NA
Bromodichloromethane	SW8260B	NA	06/26/15	1.17	0.15	0.59	ND		ug/L	425975	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/26/15	1.17	0.11	0.59	ND		ug/L	425975	NA
Toluene	SW8260B	NA	06/26/15	1.17	0.17	0.59	0.42	J	ug/L	425975	NA
Tetrachloroethylene	SW8260B	NA	06/26/15	1.17	0.17	0.59	ND		ug/L	425975	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/26/15	1.17	0.26	0.59	ND		ug/L	425975	NA
1,1,2-Trichloroethane	SW8260B	NA	06/26/15	1.17	0.17	0.59	ND		ug/L	425975	NA
Dibromochloromethane	SW8260B	NA	06/26/15	1.17	0.11	0.59	ND		ug/L	425975	NA
1,3-Dichloropropane	SW8260B	NA	06/26/15	1.17	0.12	0.59	ND		ug/L	425975	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-1	<b>Lab Sample ID:</b>	1506114-011A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 11:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
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*The results shown below are reported using their MDL.*

1,2-Dibromoethane	SW8260B	NA	06/26/15	1.17	0.23	0.59	ND		ug/L	425975	NA
Chlorobenzene	SW8260B	NA	06/26/15	1.17	0.17	0.59	ND		ug/L	425975	NA
Ethyl Benzene	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/26/15	1.17	0.11	0.59	ND		ug/L	425975	NA
m,p-Xylene	SW8260B	NA	06/26/15	1.17	0.16	1.2	0.26	J	ug/L	425975	NA
o-Xylene	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
Styrene	SW8260B	NA	06/26/15	1.17	0.25	0.59	ND		ug/L	425975	NA
Bromoform	SW8260B	NA	06/26/15	1.17	0.25	1.2	ND		ug/L	425975	NA
Isopropyl Benzene	SW8260B	NA	06/26/15	1.17	0.11	0.59	ND		ug/L	425975	NA
Bromobenzene	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/26/15	1.17	0.13	0.59	ND		ug/L	425975	NA
n-Propylbenzene	SW8260B	NA	06/26/15	1.17	0.091	0.59	ND		ug/L	425975	NA
2-Chlorotoluene	SW8260B	NA	06/26/15	1.17	0.089	0.59	ND		ug/L	425975	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/26/15	1.17	0.087	0.59	ND		ug/L	425975	NA
4-Chlorotoluene	SW8260B	NA	06/26/15	1.17	0.10	0.59	ND		ug/L	425975	NA
tert-Butylbenzene	SW8260B	NA	06/26/15	1.17	0.095	0.59	ND		ug/L	425975	NA
1,2,3-Trichloropropane	SW8260B	NA	06/26/15	1.17	0.16	0.59	ND		ug/L	425975	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/26/15	1.17	0.097	0.59	ND		ug/L	425975	NA
sec-Butyl Benzene	SW8260B	NA	06/26/15	1.17	0.11	0.59	ND		ug/L	425975	NA
p-Isopropyltoluene	SW8260B	NA	06/26/15	1.17	0.11	0.59	ND		ug/L	425975	NA
1,3-Dichlorobenzene	SW8260B	NA	06/26/15	1.17	0.12	0.59	ND		ug/L	425975	NA
1,4-Dichlorobenzene	SW8260B	NA	06/26/15	1.17	0.081	0.59	ND		ug/L	425975	NA
n-Butylbenzene	SW8260B	NA	06/26/15	1.17	0.095	0.59	ND		ug/L	425975	NA
1,2-Dichlorobenzene	SW8260B	NA	06/26/15	1.17	0.067	0.59	ND		ug/L	425975	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/26/15	1.17	0.18	0.59	ND		ug/L	425975	NA
Hexachlorobutadiene	SW8260B	NA	06/26/15	1.17	0.23	0.59	ND		ug/L	425975	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/26/15	1.17	0.14	0.59	ND		ug/L	425975	NA
Naphthalene	SW8260B	NA	06/26/15	1.17	0.16	1.2	0.28	J	ug/L	425975	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/26/15	1.17	0.27	0.59	ND		ug/L	425975	NA
(S) Dibromofluoromethane	SW8260B	NA	06/26/15	1.17	61.2	131	101		%	425975	NA
(S) Toluene-d8	SW8260B	NA	06/26/15	1.17	75.1	127	105		%	425975	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/26/15	1.17	64.1	120	98.9		%	425975	NA

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



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-1	<b>Lab Sample ID:</b>	1506114-011A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 11:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
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*The results shown below are reported using their MDL.*

TPH as Gasoline	8260TPH	6/26/15	06/26/15	1.17	37	59	51	J	ug/L	425975	14719
(S) 4-Bromofluorobenzene	8260TPH	6/26/15	06/26/15	1.17	41.5	125	98.3		%	425975	14719

**NOTE:** Raised reporting limit - see comment for 8260B analysis.



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-1	<b>Lab Sample ID:</b>	1506114-011B
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 11:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.0400	0.10	ND		mg/L	425985	14725
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.0900	0.40	ND		mg/L	425985	14725
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	50.8	139	95.5		%	425985	14725



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-1	<b>Lab Sample ID:</b>	1506114-011C
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 11:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	ND		mg/L	425981	14724
Arsenic (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.005	0.009	0.024		mg/L	425981	14724
Barium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.13		mg/L	425981	14724
Beryllium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Cadmium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.001	0.005	ND		mg/L	425981	14724
Chromium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Cobalt (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Copper (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.003	0.009	ND		mg/L	425981	14724
Lead (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.005	0.014	ND		mg/L	425981	14724
Molybdenum (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.010		mg/L	425981	14724
Nickel (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	ND		mg/L	425981	14724
Selenium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.02	0.031		mg/L	425981	14724
Silver (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Thallium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	ND		mg/L	425981	14724
Vanadium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	0.013		mg/L	425981	14724
Zinc (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.015		mg/L	425981	14724

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	6/26/15	06/29/15	1	0.00005	0.0002	ND		mg/L	425979	14722





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-2	<b>Lab Sample ID:</b>	1506114-012A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 12:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/26/15	1	0.18	0.50	ND		ug/L	425975	NA
Chloromethane	SW8260B	NA	06/26/15	1	0.16	0.50	ND		ug/L	425975	NA
Vinyl Chloride	SW8260B	NA	06/26/15	1	0.16	0.50	ND		ug/L	425975	NA
Bromomethane	SW8260B	NA	06/26/15	1	0.18	0.50	ND		ug/L	425975	NA
Trichlorofluoromethane	SW8260B	NA	06/26/15	1	0.18	0.50	ND		ug/L	425975	NA
1,1-Dichloroethene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Freon 113	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA
Methylene Chloride	SW8260B	NA	06/26/15	1	0.23	5.0	ND		ug/L	425975	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA
MTBE	SW8260B	NA	06/26/15	1	0.17	0.50	ND		ug/L	425975	NA
tert-Butanol	SW8260B	NA	06/26/15	1	1.5	5.0	ND		ug/L	425975	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
1,1-Dichloroethane	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
ETBE	SW8260B	NA	06/26/15	1	0.17	0.50	ND		ug/L	425975	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA
2,2-Dichloropropane	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Bromochloromethane	SW8260B	NA	06/26/15	1	0.20	0.50	ND		ug/L	425975	NA
Chloroform	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
Carbon Tetrachloride	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
1,1,1-Trichloroethane	SW8260B	NA	06/26/15	1	0.097	0.50	ND		ug/L	425975	NA
1,1-Dichloropropene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Benzene	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
TAME	SW8260B	NA	06/26/15	1	0.17	0.50	ND		ug/L	425975	NA
1,2-Dichloroethane	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
Trichloroethylene	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
Dibromomethane	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
1,2-Dichloropropane	SW8260B	NA	06/26/15	1	0.17	0.50	ND		ug/L	425975	NA
Bromodichloromethane	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/26/15	1	0.096	0.50	ND		ug/L	425975	NA
Toluene	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
Tetrachloroethylene	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/26/15	1	0.23	0.50	ND		ug/L	425975	NA
1,1,2-Trichloroethane	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
Dibromochloromethane	SW8260B	NA	06/26/15	1	0.096	0.50	ND		ug/L	425975	NA
1,3-Dichloropropane	SW8260B	NA	06/26/15	1	0.10	0.50	ND		ug/L	425975	NA
1,2-Dibromoethane	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-2	<b>Lab Sample ID:</b>	1506114-012A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 12:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
Ethyl Benzene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/26/15	1	0.096	0.50	ND		ug/L	425975	NA
m,p-Xylene	SW8260B	NA	06/26/15	1	0.13	1.0	ND		ug/L	425975	NA
o-Xylene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Styrene	SW8260B	NA	06/26/15	1	0.21	0.50	ND		ug/L	425975	NA
Bromoform	SW8260B	NA	06/26/15	1	0.21	1.0	ND		ug/L	425975	NA
Isopropyl Benzene	SW8260B	NA	06/26/15	1	0.097	0.50	ND		ug/L	425975	NA
Bromobenzene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/26/15	1	0.11	0.50	ND		ug/L	425975	NA
n-Propylbenzene	SW8260B	NA	06/26/15	1	0.078	0.50	ND		ug/L	425975	NA
2-Chlorotoluene	SW8260B	NA	06/26/15	1	0.076	0.50	ND		ug/L	425975	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/26/15	1	0.074	0.50	ND		ug/L	425975	NA
4-Chlorotoluene	SW8260B	NA	06/26/15	1	0.088	0.50	ND		ug/L	425975	NA
tert-Butylbenzene	SW8260B	NA	06/26/15	1	0.081	0.50	ND		ug/L	425975	NA
1,2,3-Trichloropropane	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/26/15	1	0.083	0.50	ND		ug/L	425975	NA
sec-Butyl Benzene	SW8260B	NA	06/26/15	1	0.092	0.50	ND		ug/L	425975	NA
p-Isopropyltoluene	SW8260B	NA	06/26/15	1	0.093	0.50	ND		ug/L	425975	NA
1,3-Dichlorobenzene	SW8260B	NA	06/26/15	1	0.10	0.50	ND		ug/L	425975	NA
1,4-Dichlorobenzene	SW8260B	NA	06/26/15	1	0.069	0.50	ND		ug/L	425975	NA
n-Butylbenzene	SW8260B	NA	06/26/15	1	0.081	0.50	ND		ug/L	425975	NA
1,2-Dichlorobenzene	SW8260B	NA	06/26/15	1	0.057	0.50	ND		ug/L	425975	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Hexachlorobutadiene	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/26/15	1	0.12	0.50	ND		ug/L	425975	NA
Naphthalene	SW8260B	NA	06/26/15	1	0.14	1.0	ND		ug/L	425975	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/26/15	1	0.23	0.50	ND		ug/L	425975	NA
(S) Dibromofluoromethane	SW8260B	NA	06/26/15	1	61.2	131	96.4		%	425975	NA
(S) Toluene-d8	SW8260B	NA	06/26/15	1	75.1	127	105		%	425975	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/26/15	1	64.1	120	99.6		%	425975	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-2	<b>Lab Sample ID:</b>	1506114-012A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 12:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/26/15	06/26/15	1	31	50	ND		ug/L	425975	14719
(S) 4-Bromofluorobenzene	8260TPH	6/26/15	06/26/15	1	41.5	125	106		%	425975	14719



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-2	<b>Lab Sample ID:</b>	1506114-012B
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 12:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.0400	0.10	ND		mg/L	425985	14725
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.0900	0.40	ND		mg/L	425985	14725
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	50.8	139	85.7		%	425985	14725



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-2	<b>Lab Sample ID:</b>	1506114-012C
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 12:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	ND		mg/L	425981	14724
Arsenic (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.005	0.009	0.011		mg/L	425981	14724
Barium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.11		mg/L	425981	14724
Beryllium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Cadmium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.001	0.005	ND		mg/L	425981	14724
Chromium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Cobalt (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Copper (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.003	0.009	ND		mg/L	425981	14724
Lead (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.005	0.014	ND		mg/L	425981	14724
Molybdenum (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.043		mg/L	425981	14724
Nickel (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	ND		mg/L	425981	14724
Selenium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.02	0.033		mg/L	425981	14724
Silver (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Thallium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	ND		mg/L	425981	14724
Vanadium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	ND		mg/L	425981	14724
Zinc (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.017		mg/L	425981	14724

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	6/26/15	06/29/15	1	0.00005	0.0002	ND		mg/L	425979	14722



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-3	<b>Lab Sample ID:</b>	1506114-013A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 14:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/26/15	1	0.18	0.50	ND		ug/L	425975	NA
Chloromethane	SW8260B	NA	06/26/15	1	0.16	0.50	ND		ug/L	425975	NA
Vinyl Chloride	SW8260B	NA	06/26/15	1	0.16	0.50	ND		ug/L	425975	NA
Bromomethane	SW8260B	NA	06/26/15	1	0.18	0.50	ND		ug/L	425975	NA
Trichlorofluoromethane	SW8260B	NA	06/26/15	1	0.18	0.50	ND		ug/L	425975	NA
1,1-Dichloroethene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Freon 113	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA
Methylene Chloride	SW8260B	NA	06/26/15	1	0.23	5.0	ND		ug/L	425975	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA
MTBE	SW8260B	NA	06/26/15	1	0.17	0.50	ND		ug/L	425975	NA
tert-Butanol	SW8260B	NA	06/26/15	1	1.5	5.0	ND		ug/L	425975	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
1,1-Dichloroethane	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
ETBE	SW8260B	NA	06/26/15	1	0.17	0.50	ND		ug/L	425975	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA
2,2-Dichloropropane	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Bromochloromethane	SW8260B	NA	06/26/15	1	0.20	0.50	ND		ug/L	425975	NA
Chloroform	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
Carbon Tetrachloride	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
1,1,1-Trichloroethane	SW8260B	NA	06/26/15	1	0.097	0.50	ND		ug/L	425975	NA
1,1-Dichloropropene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Benzene	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
TAME	SW8260B	NA	06/26/15	1	0.17	0.50	ND		ug/L	425975	NA
1,2-Dichloroethane	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
Trichloroethylene	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
Dibromomethane	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
1,2-Dichloropropane	SW8260B	NA	06/26/15	1	0.17	0.50	ND		ug/L	425975	NA
Bromodichloromethane	SW8260B	NA	06/26/15	1	0.13	0.50	ND		ug/L	425975	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/26/15	1	0.096	0.50	ND		ug/L	425975	NA
Toluene	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
Tetrachloroethylene	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/26/15	1	0.23	0.50	ND		ug/L	425975	NA
1,1,2-Trichloroethane	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
Dibromochloromethane	SW8260B	NA	06/26/15	1	0.096	0.50	ND		ug/L	425975	NA
1,3-Dichloropropane	SW8260B	NA	06/26/15	1	0.10	0.50	ND		ug/L	425975	NA
1,2-Dibromoethane	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-3	<b>Lab Sample ID:</b>	1506114-013A
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 14:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
Ethyl Benzene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/26/15	1	0.096	0.50	ND		ug/L	425975	NA
m,p-Xylene	SW8260B	NA	06/26/15	1	0.13	1.0	ND		ug/L	425975	NA
o-Xylene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Styrene	SW8260B	NA	06/26/15	1	0.21	0.50	ND		ug/L	425975	NA
Bromoform	SW8260B	NA	06/26/15	1	0.21	1.0	ND		ug/L	425975	NA
Isopropyl Benzene	SW8260B	NA	06/26/15	1	0.097	0.50	ND		ug/L	425975	NA
Bromobenzene	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/26/15	1	0.11	0.50	ND		ug/L	425975	NA
n-Propylbenzene	SW8260B	NA	06/26/15	1	0.078	0.50	ND		ug/L	425975	NA
2-Chlorotoluene	SW8260B	NA	06/26/15	1	0.076	0.50	ND		ug/L	425975	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/26/15	1	0.074	0.50	ND		ug/L	425975	NA
4-Chlorotoluene	SW8260B	NA	06/26/15	1	0.088	0.50	ND		ug/L	425975	NA
tert-Butylbenzene	SW8260B	NA	06/26/15	1	0.081	0.50	ND		ug/L	425975	NA
1,2,3-Trichloropropane	SW8260B	NA	06/26/15	1	0.14	0.50	ND		ug/L	425975	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/26/15	1	0.083	0.50	ND		ug/L	425975	NA
sec-Butyl Benzene	SW8260B	NA	06/26/15	1	0.092	0.50	ND		ug/L	425975	NA
p-Isopropyltoluene	SW8260B	NA	06/26/15	1	0.093	0.50	ND		ug/L	425975	NA
1,3-Dichlorobenzene	SW8260B	NA	06/26/15	1	0.10	0.50	ND		ug/L	425975	NA
1,4-Dichlorobenzene	SW8260B	NA	06/26/15	1	0.069	0.50	ND		ug/L	425975	NA
n-Butylbenzene	SW8260B	NA	06/26/15	1	0.081	0.50	ND		ug/L	425975	NA
1,2-Dichlorobenzene	SW8260B	NA	06/26/15	1	0.057	0.50	ND		ug/L	425975	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/26/15	1	0.15	0.50	ND		ug/L	425975	NA
Hexachlorobutadiene	SW8260B	NA	06/26/15	1	0.19	0.50	ND		ug/L	425975	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/26/15	1	0.12	0.50	ND		ug/L	425975	NA
Naphthalene	SW8260B	NA	06/26/15	1	0.14	1.0	ND		ug/L	425975	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/26/15	1	0.23	0.50	ND		ug/L	425975	NA
(S) Dibromofluoromethane	SW8260B	NA	06/26/15	1	61.2	131	101		%	425975	NA
(S) Toluene-d8	SW8260B	NA	06/26/15	1	75.1	127	106		%	425975	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/26/15	1	64.1	120	98.1		%	425975	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Gasoline	8260TPH	6/26/15	06/26/15	1	31	50	ND		ug/L	425975	14719
(S) 4-Bromofluorobenzene	8260TPH	6/26/15	06/26/15	1	41.5	125	102		%	425975	14719



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-3	<b>Lab Sample ID:</b>	1506114-013B
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 14:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.0400	0.10	ND		mg/L	425985	14725
TPH as Motor Oil (SG)	SW8015B(M)	6/26/15	06/29/15	1	0.0900	0.40	ND		mg/L	425985	14725
Pentacosane (S)	SW8015B(M)	6/26/15	06/29/15	1	50.8	139	90.7		%	425985	14725





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/25/15  
**Date Reported:** 06/30/15

<b>Client Sample ID:</b>	GW-3	<b>Lab Sample ID:</b>	1506114-013C
<b>Project Name/Location:</b>	Bockman Property	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	06/25/15 / 14:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	ND		mg/L	425981	14724
Arsenic (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.005	0.009	ND		mg/L	425981	14724
Barium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.090		mg/L	425981	14724
Beryllium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Cadmium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.001	0.005	ND		mg/L	425981	14724
Chromium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Cobalt (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Copper (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.003	0.009	ND		mg/L	425981	14724
Lead (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.005	0.014	ND		mg/L	425981	14724
Molybdenum (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.016		mg/L	425981	14724
Nickel (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	ND		mg/L	425981	14724
Selenium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.02	ND		mg/L	425981	14724
Silver (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.005	ND		mg/L	425981	14724
Thallium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	ND		mg/L	425981	14724
Vanadium (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.004	0.009	0.014		mg/L	425981	14724
Zinc (Dissolved)	SW6010B	6/29/15	06/29/15	1	0.002	0.009	0.018		mg/L	425981	14724

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury (Dissolved)	SW7470A	6/26/15	06/29/15	1	0.00005	0.0002	ND		mg/L	425979	14722



### MB Summary Report

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	5030	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14719
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	8260TPH	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425975
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	31	50	ND	
(S) 4-Bromofluorobenzene			81.7	

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3050	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14720
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425978
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	0.23	
Arsenic	0.25	1.7	0.94	
Barium	0.07	5.0	0.58	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.15	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.24	
Molybdenum	0.12	5.0	0.12	
Nickel	0.050	5.0	0.14	
Selenium	0.42	5.0	0.44	
Silver	0.37	5.0	0.50	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	ND	

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	7470A	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14722
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW7470A	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425979
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	0.00009	



## MB Summary Report

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	7471	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14723
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471A	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425980
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
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Mercury	0.2	0.50	ND
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<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3005	<b>Prep Date:</b>	06/29/15	<b>Prep Batch:</b>	14724
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425981
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
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Antimony (Dissolved)	0.004	0.009	0.00407
Arsenic (Dissolved)	0.005	0.009	0.00888
Barium (Dissolved)	0.002	0.009	ND
Beryllium (Dissolved)	0.002	0.005	ND
Cadmium (Dissolved)	0.001	0.005	ND
Chromium (Dissolved)	0.002	0.005	ND
Cobalt (Dissolved)	0.002	0.005	ND
Copper (Dissolved)	0.003	0.009	ND
Lead (Dissolved)	0.005	0.014	ND
Molybdenum (Dissolved)	0.002	0.009	0.00332
Nickel (Dissolved)	0.002	0.009	ND
Selenium (Dissolved)	0.004	0.02	ND
Silver (Dissolved)	0.002	0.005	ND
Thallium (Dissolved)	0.004	0.009	0.00685
Vanadium (Dissolved)	0.004	0.009	ND
Zinc (Dissolved)	0.002	0.009	ND

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3510_TPHSG	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14725
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8015B(M)	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425985
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
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TPH as Diesel (SG)	0.0440	0.10	ND
TPH as Motor Oil (SG)	0.0920	0.40	ND
Pentacosane (S)			71.0



### MB Summary Report

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3546_TPHSG	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14727
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B(M)	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425986
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	1.9	
Pentacosane (S)			112	

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3546_TPHSG	<b>Prep Date:</b>	06/29/15	<b>Prep Batch:</b>	14729
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B(M)	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425987
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	ND	
Pentacosane (S)			99.1	

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	06/29/15	<b>Prep Batch:</b>	14735
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	8260TPH	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425995
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	30	100	51	
(S) 4-Bromofluorobenzene			97.3	



## MB Summary Report

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425975
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.18	0.50	ND		
Chloromethane	0.16	0.50	ND		
Vinyl Chloride	0.16	0.50	ND		
Bromomethane	0.18	0.50	ND		
Trichlorofluoromethane	0.18	0.50	ND		
1,1-Dichloroethene	0.15	0.50	ND		
Freon 113	0.19	0.50	ND		
Methylene Chloride	0.23	5.0	ND		
trans-1,2-Dichloroethene	0.19	0.50	ND		
MTBE	0.17	0.50	ND		
tert-Butanol	1.5	5.0	ND		
Diisopropyl ether (DIPE)	0.13	0.50	ND		
1,1-Dichloroethane	0.13	0.50	ND		
ETBE	0.17	0.50	ND		
cis-1,2-Dichloroethene	0.19	0.50	ND		
2,2-Dichloropropane	0.15	0.50	ND		
Bromochloromethane	0.20	0.50	ND		
Chloroform	0.13	0.50	ND		
Carbon Tetrachloride	0.15	0.50	ND		
1,1,1-Trichloroethane	0.097	0.50	ND		
1,1-Dichloropropene	0.15	0.50	ND		
Benzene	0.13	0.50	ND		
TAME	0.17	0.50	ND		
1,2-Dichloroethane	0.14	0.50	ND		
Trichloroethylene	0.13	0.50	ND		
Dibromomethane	0.15	0.50	0.45		
1,2-Dichloropropane	0.17	0.50	ND		
Bromodichloromethane	0.13	0.50	ND		
cis-1,3-Dichloropropene	0.096	0.50	ND		
Toluene	0.14	0.50	ND		
Tetrachloroethylene	0.14	0.50	ND		
trans-1,3-Dichloropropene	0.23	0.50	ND		
1,1,2-Trichloroethane	0.14	0.50	ND		
Dibromochloromethane	0.096	0.50	ND		
1,3-Dichloropropane	0.10	0.50	ND		
1,2-Dibromoethane	0.19	0.50	ND		
Chlorobenzene	0.14	0.50	ND		
Ethyl Benzene	0.15	0.50	ND		
1,1,1,2-Tetrachloroethane	0.096	0.50	ND		
m,p-Xylene	0.13	1.0	ND		
o-Xylene	0.15	0.50	ND		



## MB Summary Report

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425975
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Styrene	0.21	0.50	ND		
Bromoform	0.21	1.0	ND		
Isopropyl Benzene	0.097	0.50	ND		
Bromobenzene	0.15	0.50	ND		
1,1,2,2-Tetrachloroethane	0.11	0.50	ND		
n-Propylbenzene	0.078	0.50	ND		
2-Chlorotoluene	0.076	0.50	ND		
1,3,5,-Trimethylbenzene	0.074	0.50	ND		
4-Chlorotoluene	0.088	0.50	ND		
tert-Butylbenzene	0.081	0.50	ND		
1,2,3-Trichloropropane	0.14	0.50	0.33		
1,2,4-Trimethylbenzene	0.083	0.50	ND		
sec-Butyl Benzene	0.092	0.50	ND		
p-Isopropyltoluene	0.093	0.50	ND		
1,3-Dichlorobenzene	0.10	0.50	ND		
1,4-Dichlorobenzene	0.069	0.50	ND		
n-Butylbenzene	0.081	0.50	ND		
1,2-Dichlorobenzene	0.057	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.15	0.50	ND		
Hexachlorobutadiene	0.19	0.50	ND		
1,2,4-Trichlorobenzene	0.12	0.50	ND		
Naphthalene	0.14	1.0	ND		
1,2,3-Trichlorobenzene	0.23	0.50	ND		
(S) Dibromofluoromethane			85.8		
(S) Toluene-d8			87.0		
(S) 4-Bromofluorobenzene			86.1		
Ethanol	0.21	0.50	ND	TIC	



## MB Summary Report

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425995
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	0.73	



## MB Summary Report

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425995
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Styrene	0.77	10	1.3		
Bromoform	1.9	10	ND		
Isopropyl Benzene	1.2	10	ND		
n-Propylbenzene	1.4	10	ND		
Bromobenzene	1.2	10	ND		
1,1,2,2-Tetrachloroethane	3.0	10	ND		
1,3,5-Trimethylbenzene	1.1	10	ND		
1,2,3-Trichloropropane	3.3	10	ND		
4-Chlorotoluene	1.6	10	ND		
2-Chlorotoluene	1.6	10	ND		
tert-Butylbenzene	1.4	10	ND		
1,2,4-Trimethylbenzene	1.1	10	ND		
sec-Butyl Benzene	1.6	10	ND		
p-Isopropyltoluene	1.5	10	ND		
1,3-Dichlorobenzene	1.8	10	ND		
1,4-Dichlorobenzene	1.5	10	ND		
n-Butylbenzene	2.2	10	ND		
1,2-Dichlorobenzene	1.3	10	ND		
1,2-Dibromo-3-Chloropropane	4.2	10	ND		
Hexachlorobutadiene	2.6	10	ND		
1,2,4-Trichlorobenzene	2.1	10	ND		
Naphthalene	2.8	10	ND		
1,2,3-Trichlorobenzene	2.9	10	ND		
Ethanol	5.0	20	ND	TIC	
(S) Dibromofluoromethane			88.9		
(S) Toluene-d8			90.2		
(S) 4-Bromofluorobenzene			85.0		





## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	5030	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14719
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	8260TPH	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425975
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	31	50	ND	238.1	118	109	8.18	52.4 - 127	30	
(S) 4-Bromofluorobenzene			81.7	11.9	116	104		41.5 - 125		

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3050	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14720
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425978
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	0.23	50	98.5	97.3	1.23	30.7 - 130	30	
Arsenic	0.25	1.7	0.94	50	96.7	94.0	2.81	71 - 121	30	
Barium	0.07	5.0	0.58	50	104	101	2.53	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.0	98.3	0.669	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	97.5	97.4	0.0924	68.7 - 110	30	
Chromium	0.050	5.0	0.15	50	101	101	0.198	76 - 116	30	
Cobalt	0.055	5.0	ND	50	99.4	99.5	0.0905	57.4 - 122	30	
Copper	0.65	5.0	ND	50	103	102	1.27	74.8 - 119	30	
Lead	0.14	1.0	0.24	50	99.2	99.3	0.0907	67.9 - 118	30	
Molybdenum	0.12	5.0	0.12	50	103	102	0.584	62.9 - 123	30	
Nickel	0.050	5.0	0.14	50	98.3	98.8	0.538	61.5 - 122	30	
Selenium	0.42	5.0	0.44	50	93.9	94.6	0.700	62 - 111	30	
Silver	0.37	5.0	0.50	50	98.9	98.4	0.497	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	99.4	99.8	0.412	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	104	102	1.65	65.8 - 122	30	
Zinc	0.25	5.0	ND	50	98.1	97.4	0.757	59.9 - 122	30	

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	7470A	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14722
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW7470A	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425979
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury (Dissolved)	0.00005	0.0002	0.00009	0.015	93.5	92.6	0.789	80 - 120	20	



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	7471	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14723
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW7471A	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425980
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	91.2	91.6	0.438	80.5 - 133	30	

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3005	<b>Prep Date:</b>	06/29/15	<b>Prep Batch:</b>	14724
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW6010B	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425981
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony (Dissolved)	0.004	0.009	0.00407	1	94.2	93.4	0.764	80 - 120	20	
Arsenic (Dissolved)	0.005	0.009	0.00888	1	94.4	91.7	2.64	80 - 120	20	
Barium (Dissolved)	0.002	0.009	ND	1	96.2	96.1	0.167	80 - 120	20	
Beryllium (Dissolved)	0.002	0.005	ND	1	92.1	94.0	2.17	80 - 120	20	
Cadmium (Dissolved)	0.001	0.005	ND	1	97.0	97.3	0.0440	80 - 120	20	
Chromium (Dissolved)	0.002	0.005	ND	1	94.5	94.7	0.567	80 - 120	20	
Cobalt (Dissolved)	0.002	0.005	ND	1	100	97.3	2.23	80 - 120	20	
Copper (Dissolved)	0.003	0.009	ND	1	95.7	93.1	2.24	80 - 120	20	
Lead (Dissolved)	0.005	0.014	ND	1	95.2	95.5	0.303	80 - 120	20	
Molybdenum (Dissolved)	0.002	0.009	0.00332	1	94.5	95.0	0.871	80 - 120	20	
Nickel (Dissolved)	0.002	0.009	ND	1	94.4	94.7	0.533	80 - 120	20	
Selenium (Dissolved)	0.004	0.02	ND	1	97.0	95.2	2.30	80 - 120	20	
Silver (Dissolved)	0.002	0.005	ND	1	94.5	93.4	0.776	80 - 120	20	
Thallium (Dissolved)	0.004	0.009	0.00685	1	95.1	90.3	5.33	80 - 120	20	
Vanadium (Dissolved)	0.004	0.009	ND	1	96.4	95.5	0.826	80 - 120	20	
Zinc (Dissolved)	0.002	0.009	ND	1	101	98.9	1.73	80 - 120	20	

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3510_TPHSG	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14725
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8015B(M)	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425985
<b>Units:</b>	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.0440	0.10	ND	1	44.6	37.3	17.8	36.5 - 91.3	30	
Pentacosane (S)			ND	200	103	102		50.8 - 139		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3546_TPHSG	<b>Prep Date:</b>	06/26/15	<b>Prep Batch:</b>	14727
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B(M)	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425986
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	68.6	68.6	0.0131	50.8 - 111	30	
Pentacosane (S)			1.9	200	90.1	99.1		49.9 - 144		

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	3546_TPHSG	<b>Prep Date:</b>	06/29/15	<b>Prep Batch:</b>	14729
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8015B(M)	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425987
<b>Units:</b>	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	25	66.3	65.2	1.72	50.8 - 111	30	
Pentacosane (S)			ND	200	82.2	79.4		49.9 - 144		

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	5035	<b>Prep Date:</b>	06/29/15	<b>Prep Batch:</b>	14735
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	8260TPH	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425995
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	30	100	51	1000	119	106	10.9	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			97.3	50	101	113		43.9 - 127		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	06/26/15	<b>Analytical Batch:</b>	425975
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.86	110	103	6.32	61.4 - 129	30	
Benzene	0.087	0.50	ND	17.86	96.9	92.3	4.85	66.9 - 140	30	
Trichloroethylene	0.057	0.50	ND	17.86	102	94.8	7.17	69.3 - 144	30	
Toluene	0.059	0.50	ND	17.86	99.0	93.3	5.99	76.6 - 123	30	
Chlorobenzene	0.068	0.50	ND	17.86	99.4	94.9	4.89	73.9 - 137	30	
(S) Dibromofluoromethane			ND	17.86	96.4	92.3		61.2 - 131		
(S) Toluene-d8			ND	17.86	100	93.6		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	17.86	102	93.4		64.1 - 120		

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425995
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	116	116	0.228	53.7 - 139	30	
Benzene	1.5	10	ND	50	105	110	4.49	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	91.1	96.9	6.23	57.5 - 150	30	
Toluene	0.98	10	ND	50	100	110	9.02	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	95.7	105	8.96	57.4 - 134	30	
(S) Dibromofluoromethane			ND	100	91.6	93.7		59.8 - 148		
(S) Toluene-d8			ND	100	90.7	95.4		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	100	86.3	87.0		55.8 - 141		



## MS/MSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1506114	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Soil	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	06/29/15	<b>Analytical Batch:</b>	425995
<b>Spiked Sample:</b>	1506114-009A						
<b>Units:</b>	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	0	50	102	105	3.18	53.7 - 139	30	
Benzene	1.5	10	0	50	102	107	4.32	66.5 - 135	30	
Trichloroethylene	3.9	10	0	50	102	114	10.4	57.5 - 150	30	
Toluene	0.98	10	0	50	96.5	99.8	3.35	56.8 - 134	30	
Chlorobenzene	4.2	10	0	50	98.8	102	3.61	57.4 - 134	30	
(S) Dibromofluoromethane				50	90.9	91.7		59.8 - 148		
(S) Toluene-d8				50	87.3	88.3		55.2 - 133		
(S) 4-Bromofluorobenzene				50	92.6	92.4		55.8 - 141		



## Laboratory Qualifiers and Definitions

### DEFINITIONS:

<b>Accuracy/Bias (% Recovery)</b> - The closeness of agreement between an observed value and an accepted reference value.
<b>Blank (Method/Preparation Blank)</b> -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.
<b>Duplicate</b> - 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)
<b>Laboratory Control Sample (LCS ad LCSD)</b> - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
<b>Matrix</b> - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
<b>Matrix Spike (MS/MSD)</b> - 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.
<b>Method Detection Limit (MDL)</b> - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
<b>Practical Quantitation Limit (PQL)</b> - 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 reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
<b>Precision (%RPD)</b> - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
<b>Surrogate (S) or (Surr)</b> - 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
<b>Tentatively Identified Compound (TIC)</b> - 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.
<b>Units:</b> the unit of measure used to express the reported result - <b>mg/L</b> and <b>mg/Kg</b> (equivalent to PPM - parts per million in <b>liquid</b> and <b>solid</b> ), <b>ug/L</b> and <b>ug/Kg</b> (equivalent to PPB - parts per billion in <b>liquid</b> and <b>solid</b> ), <b>ug/m<sup>3</sup></b> , <b>mg.m<sup>3</sup></b> , <b>ppbv</b> and <b>ppmv</b> (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), <b>ug/Wipe</b> ( concentration found on the surface of a single Wipe usually taken over a 100cm <sup>2</sup> surface)

### LABORATORY QUALIFIERS:

<p><b>B</b> - Indicates when the analyte is found in the associated method or preparation blank</p> <p><b>D</b> - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p><b>E</b> - 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><b>H</b>- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p><b>J</b>- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p><b>NA</b> - Not Analyzed</p> <p><b>N/A</b> - Not Applicable</p> <p><b>NR</b> - 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><b>R</b>- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p><b>S</b>- 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><b>X</b> -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 (San Ramon)

Date and Time Received: 6/25/2015 18:37

Project Name: Bockman Property

Received By: Idi

Work Order No.: 1506114

Physically Logged By: Idi

Checklist Completed By: Idi

Carrier Name: First Courier

### Chain of Custody (COC) Information

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

### Sample Receipt Information

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

### Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes  
Container/Temp Blank temperature in compliance? Yes      Temperature: 7 °C  
Water-VOA vials have zero headspace? Yes  
Water-pH acceptable upon receipt? No  
pH Checked by: \_\_\_\_\_      pH Adjusted by: \_\_\_\_\_



## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** Bockman Property  
**Project # :** 12181.000.000  
**Report Due Date:** 6/30/2015

**QC Level:**  
**TAT Requested:** 3 day:25  
**Date Received:** 6/25/2015  
**Time Received:** 18:37

**Comments:**

**Work Order # :** 1506114

<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>
1506114-001A	S-1 @ 1	06/25/15 15:45	Soil	12/22/15			S_7471BHG S_6010BCAM17 S_GCMS-GRO S_8260Full S_TPHDOSG	
1506114-002A	S-1 @ 5	06/25/15 15:50	Soil	12/22/15			S_7471BHG S_GCMS-GRO S_6010BCAM17 S_TPHDOSG S_8260Full	
1506114-003A	S-1 @ 10	06/25/15 16:00	Soil	12/22/15			S_7471BHG S_6010BCAM17 S_TPHDOSG S_8260Full S_GCMS-GRO	
1506114-004A	S-2 @ 1	06/25/15 10:30	Soil	12/22/15			S_7471BHG S_TPHDOSG S_8260Full S_GCMS-GRO S_6010BCAM17	
1506114-005A	S-2 @ 5	06/25/15 10:32	Soil	12/22/15			S_7471BHG S_TPHDOSG S_8260Full S_GCMS-GRO S_6010BCAM17	
1506114-006A	S-2 @ 10	06/25/15 10:45	Soil	12/22/15			S_7471BHG S_TPHDOSG S_8260Full S_GCMS-GRO S_6010BCAM17	
1506114-007A	S-3 @ 1	06/25/15 15:05	Soil	12/22/15			S_7471BHG S_TPHDOSG S_8260Full S_GCMS-GRO S_6010BCAM17	





## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** Bockman Property  
**Project # :** 12181.000.000  
**Report Due Date:** 6/30/2015

**QC Level:**  
**TAT Requested:** 3 day:25  
**Date Received:** 6/25/2015  
**Time Received:** 18:37

**Comments:**

**Work Order # :** 1506114

<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>
1506114-008A	S-3 @ 5	06/25/15 15:10	Soil	12/22/15			S_7471BHG S_TPHDOSG S_6010BCAM17 S_8260Full S_GCMS-GRO	
1506114-009A	S-3 @ 10	06/25/15 15:15	Soil	12/22/15			S_7471BHG S_6010BCAM17 S_TPHDOSG S_GCMS-GRO S_8260Full	
1506114-010A	S-4 @ 1	06/25/15 15:30	Soil	12/22/15			S_7471BHG S_6010BCAM17 S_GCMS-GRO S_TPHDOSG S_8260Full	
1506114-011A	GW-1	06/25/15 11:00	Water	12/22/15			Hold Samples	
1506114-011B	GW-1	06/25/15 11:00	Water	12/22/15			W_8260Full W_GCMS-GRO	
1506114-011C	GW-1	06/25/15 11:00	Water	12/22/15			W_TPHDOSG	
							W_D7470AHG W_D6010BCAM17	
<b>Sample Note:</b>	lab to filter for CAM 17							
1506114-012A	GW-2	06/25/15 12:30	Water	12/22/15			W_GCMS-GRO W_8260Full	
1506114-012B	GW-2	06/25/15 12:30	Water	12/22/15			W_TPHDOSG	
1506114-012C	GW-2	06/25/15 12:30	Water	12/22/15			W_D7470AHG W_D6010BCAM17	



## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** Bockman Property  
**Project # :** 12181.000.000  
**Report Due Date:** 6/30/2015

**QC Level:**  
**TAT Requested:** 3 day:25  
**Date Received:** 6/25/2015  
**Time Received:** 18:37

**Comments:**

**Work Order # :** 1506114

<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>
1506114-013A	GW-3	06/25/15 14:00	Water	12/22/15			W_GCMS-GRO W_8260Full	
<b>Sample Note:</b>	Client rinsed HCL from VOA. Likely due to foaming.							
1506114-013B	GW-3	06/25/15 14:00	Water	12/22/15			W_TPHDOSG	
1506114-013C	GW-3	06/25/15 14:00	Water	12/22/15			W_D7470AHG W_D6010BCAM17	



### CHAIN OF CUSTODY RECORD

1506114

PROJECT NUMBER 12181.000.000		PROJECT NAME Bockman Property					TPH-gasoline TPH-d/mo/silica gel VOCs OCPS CAM-17	REMARKS REQUIRED DETECTION LIMITS
SAMPLED BY: (SIGNATURE/PRINT) <i>Robert Peck</i> / Robert Peck								
PROJECT MANAGER: (SIGNATURE/PRINT) Divya B.								
ROUTING: E-MAIL rpeck@engeo.com				HARD COPY				
SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE		
SG-1	6/25/2015	11:15	vapor	1	Summa		X	
SG-2	6/25/2015	11:55	vapor	1			X	
SG-3	6/25/2015		vapor	1				
SG-4	6/25/2015	12:30	vapor	1				
S-1e1	6/25/2015	15:45	soil	1	liner	ICE	X X X X X	
S-1e5	6/25/2015	15:50		1			X X X X	
S-1e10	6/25/2015	16:00		1			X X X X	
S-2e1	6/25/2015	10:30		1			X X X X X	
S-2e5	6/25/2015	10:32		1			X X X X	
S-2e10	6/25/2015	10:45		1			X X X X	
S-3e1	6/25/2015	15:05		1			X X X X X	
S-3e5	6/25/2015	15:10		1			X X X X	
S-3e10	6/25/2015	15:15		1			X X X X	
S-4e1	6/25/2015	15:30		1			X X X X	
GW-1	6/25/2015	11:00	H <sub>2</sub> O	6	3 VOCs, 2 Ambeq 1 Poly		X X X X X	
GW-2	6/25/2015	12:30	H <sub>2</sub> O	6			X X X X X	
GW-3	6/25/2015	14:00	H <sub>2</sub> O	6			X X X X X	
<p style="text-align: right;"><b>3 DAY STANDARD</b></p>								
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		DATE/TIME		
<i>[Signature]</i>		6/25/15 17:40		<i>[Signature]</i>		6/25/15 6:37		
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		DATE/TIME		
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE/TIME		
REMARKS								
<p>- 3 Day TAT - filter water for CAM-17 analysis</p> <p>Leak check: DFA</p> <p>GW-3: HCl was rinsed from VOAs</p>								

**ENGEO**  
INCORPORATED

2010 CROW CANYON PLACE SUITE 250  
SAN RAMON, CALIFORNIA 94583  
(925) 866-9000 FAX (888) 279-2698  
WWW.ENGEO.COM

REC *[Signature]* LIR

FC

Temp 7°C

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT, COPY TO PROJECT FIELD FILES



**Change Order**

**Work Order:** 1506114

**Serial #:** CO15-0168

**Print Date:** 6/26/2015

**Project Name:** Bockman Property

**Client:** Engeo (San Ramon)

**Requested By:** Divya Bhargava

---

	<u>Requested Date</u>	<u>Requested Time</u>	<u>Extended Price</u>
Cancel OCP analysis for the 4 samples where it was requested on the CoC	6/25/2015	6:00:00PM	

---



6/25/2015

Torrent Laboratory, Inc. Mail - San Lorenzo samples today



Torrent Laboratory, Inc. <pm@torrentlaboratory.com>

**San Lorenzo samples today**

1 message

**Divya Bhargava** <dbhargava@engeo.com>  
To: "pm@torrentlaboratory.com" <pm@torrentlaboratory.com>  
Cc: Robert Peck <rpeck@engeo.com>

Thu, Jun 25, 2015 at 6:15 PM

Hi Kathie/Patti,

For the San Lorenzo samples that you will receive today, the client just informed us that we do not need to test for OCPs. Can you please delete the OCP testing from all soil samples?

Thanks!

Divya

**Divya Bhargava, PE**  
Project Engineer



ENGEO Incorporated  
2010 Crow Canyon Pl, Suite 250  
San Ramon, CA 94583  
(925) 395-2559 Phone  
(888) 279-2698 Fax  
[www.engeo.com](http://www.engeo.com)

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<https://mail.google.com/mail/c/u/0/?ui=2&ik=e990e6e2a7&view=pt&search=inbox&type=14e2c5a48a314dba&th=14e2dbf283c08a96&siml=14e2dbf283c08a96>

1/1



Engeo (San Ramon)  
2010 Crow Canyon Place, #250  
San Ramon, California 94583  
Tel: (925) 866-9000  
Fax: (925) 866-0199  
RE: Bockman Road Property

Work Order No.: 1606160

Dear Divya Bhargava:

Torrent Laboratory, Inc. received 6 sample(s) on June 24, 2016 for the analyses presented in the following Report.

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

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

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

\_\_\_\_\_  
Patti Sandrock  
QA Officer

June 27, 2016

\_\_\_\_\_  
Date



**Date:** 6/27/2016

---

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**Client:** Engeo (San Ramon)

**Project:** Bockman Road Property

**Work Order:** 1606160

### **CASE NARRATIVE**

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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 Analytical, Inc.



### Sample Result Summary

Report prepared for: Divya Bhargava  
Engeo (San Ramon)

Date Received: 06/24/16

Date Reported: 06/27/16

SG-6 @ 7'

1606160-001A

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Acetone	ETO15	1	0.88	19	34.0
Toluene	ETO15	1	0.95	1.9	4.14
Tetrachloroethylene	ETO15	1	0.91	3.4	256
Ethyl Benzene	ETO15	1	0.99	2.2	143
o-Xylene	ETO15	1	0.81	2.2	260
m,p-Xylene	ETO15	5	8.1	22	576

SG-8 @ 7'

1606160-002A

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
1,3-Butadiene	ETO15	1	0.45	1.1	6.14
Carbon Disulfide	ETO15	1	0.81	3.1	58.6
Hexane	ETO15	1	0.53	1.8	20.4
2-Butanone (MEK)	ETO15	1	0.63	1.5	5.82
Benzene	ETO15	1	0.69	1.6	9.18
Toluene	ETO15	1	0.95	1.9	19.1
4-Methyl-2-Pentanone (MIBK)	ETO15	1	0.85	2.1	9.59
Tetrachloroethylene	ETO15	1	0.91	3.4	16.7
Ethyl Benzene	ETO15	1	0.99	2.2	232
Styrene	ETO15	1	0.69	2.2	5.98
m,p-Xylene	ETO15	5	8.1	22	890
o-Xylene	ETO15	5	4.0	11	282





## Sample Result Summary

Report prepared for: Divya Bhargava  
Engeo (San Ramon)

Date Received: 06/24/16

Date Reported: 06/27/16

SG-9 @ 7'

1606160-003A

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
1,3-Butadiene	ETO15	1	0.45	1.1	4.33
Carbon Disulfide	ETO15	1	0.81	3.1	43.6
Hexane	ETO15	1	0.53	1.8	6.13
Benzene	ETO15	1	0.69	1.6	3.84
Toluene	ETO15	1	0.95	1.9	9.96
m,p-Xylene	ETO15	1	1.6	4.3	4.69
Tetrachloroethylene	ETO15	2	1.8	6.8	256

SG-7 @ 10'

1606160-004A

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
1,1-Difluoroethane	ETO15	2.3	1.1	3.1	3.42
1,3-Butadiene	ETO15	2.3	1.0	2.5	7.79
Carbon Disulfide	ETO15	2.3	1.9	7.1	56.8
Acetone	ETO15	2.3	2.0	44	10.6
Hexane	ETO15	2.3	1.2	4.0	184
2-Butanone (MEK)	ETO15	2.3	1.4	3.5	23.3
Benzene	ETO15	2.3	1.6	3.7	21.9
Toluene	ETO15	2.3	2.2	4.4	20.9
Tetrachloroethylene	ETO15	2.3	2.1	7.8	24.4

SG-5 @ 10'

1606160-005A

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Carbon Disulfide	ETO15	27	22	84	144
Acetone	ETO15	27	24	520	46.0



### Sample Result Summary

Report prepared for: Divya Bhargava  
Engeo (San Ramon)

Date Received: 06/24/16

Date Reported: 06/27/16

SG-10 @ 10'

1606160-006A

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
1,3-Butadiene	ETO15	2	0.89	2.2	2.24
Carbon Disulfide	ETO15	2	1.6	6.2	34.4
Acetone	ETO15	2	1.8	38	54.1
Hexane	ETO15	2	1.1	3.5	261
2-Butanone (MEK)	ETO15	2	1.3	3.0	99.8
Benzene	ETO15	2	1.4	3.2	61.8
Toluene	ETO15	2	1.9	3.8	76.2
m,p-Xylene	ETO15	2	3.2	8.6	6.97



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-6 @ 7'	<b>Lab Sample ID:</b>	1606160-001A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/22/16 / 10:30	<b>Received PSI :</b>	12.6
<b>Canister/Tube ID:</b>	A7463	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	06/24/16	1	1.5	5.0	ND	ND		430675	NA
1,1-Difluoroethane	ETO15	NA	06/24/16	1	0.50	1.4	ND	ND		430675	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	06/24/16	1	4.9	14	ND	ND		430675	NA
Chloromethane	ETO15	NA	06/24/16	1	0.32	1.1	ND	ND		430675	NA
Vinyl Chloride	ETO15	NA	06/24/16	1	0.67	2.6	ND	ND		430675	NA
1,3-Butadiene	ETO15	NA	06/24/16	1	0.45	1.1	ND	ND		430675	NA
Bromomethane	ETO15	NA	06/24/16	1	0.72	2.0	ND	ND		430675	NA
Chloroethane	ETO15	NA	06/24/16	1	0.50	1.3	ND	ND		430675	NA
Trichlorofluoromethane	ETO15	NA	06/24/16	1	1.8	5.6	ND	ND		430675	NA
1,1-Dichloroethene	ETO15	NA	06/24/16	1	0.61	2.0	ND	ND		430675	NA
Freon 113	ETO15	NA	06/24/16	1	0.85	3.9	ND	ND		430675	NA
Carbon Disulfide	ETO15	NA	06/24/16	1	0.81	3.1	ND	ND		430675	NA
1,2-Difluoroethane	ETO15	NA	06/24/16	1	0.97	20	ND	ND		430675	NA
Methylene Chloride	ETO15	NA	06/24/16	1	0.58	28	ND	ND		430675	NA
Acetone	ETO15	NA	06/24/16	1	0.88	19	34.0	14.17		430675	NA
trans-1,2-Dichloroethene	ETO15	NA	06/24/16	1	0.64	2.0	ND	ND		430675	NA
Hexane	ETO15	NA	06/24/16	1	0.53	1.8	ND	ND		430675	NA
MTBE	ETO15	NA	06/24/16	1	0.87	1.8	ND	ND		430675	NA
tert-Butanol	ETO15	NA	06/24/16	1	0.91	8.4	ND	ND		430675	NA
Diisopropyl ether (DIPE)	ETO15	NA	06/24/16	1	0.88	2.1	ND	ND		430675	NA
1,1-Dichloroethane	ETO15	NA	06/24/16	1	0.75	2.1	ND	ND		430675	NA
ETBE	ETO15	NA	06/24/16	1	0.68	2.1	ND	ND		430675	NA
cis-1,2-Dichloroethene	ETO15	NA	06/24/16	1	0.54	2.0	ND	ND		430675	NA
Chloroform	ETO15	NA	06/24/16	1	1.2	4.9	ND	ND		430675	NA
Vinyl Acetate	ETO15	NA	06/24/16	1	0.57	1.8	ND	ND		430675	NA
Carbon Tetrachloride	ETO15	NA	06/24/16	1	0.86	3.2	ND	ND		430675	NA
1,1,1-Trichloroethane	ETO15	NA	06/24/16	1	0.85	2.8	ND	ND		430675	NA
2-Butanone (MEK)	ETO15	NA	06/24/16	1	0.63	1.5	ND	ND		430675	NA
Ethyl Acetate	ETO15	NA	06/24/16	1	0.74	1.8	ND	ND		430675	NA
Tetrahydrofuran	ETO15	NA	06/24/16	1	0.30	1.5	ND	ND		430675	NA
Benzene	ETO15	NA	06/24/16	1	0.69	1.6	ND	ND		430675	NA
TAME	ETO15	NA	06/24/16	1	0.36	2.1	ND	ND		430675	NA
1,2-Dichloroethane (EDC)	ETO15	NA	06/24/16	1	0.99	2.1	ND	ND		430675	NA
Trichloroethylene	ETO15	NA	06/24/16	1	1.4	5.4	ND	ND		430675	NA
1,2-Dichloropropane	ETO15	NA	06/24/16	1	1.3	4.6	ND	ND		430675	NA
Bromodichloromethane	ETO15	NA	06/24/16	1	0.89	3.4	ND	ND		430675	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-6 @ 7'	<b>Lab Sample ID:</b>	1606160-001A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/22/16 / 10:30	<b>Received PSI :</b>	12.6
<b>Canister/Tube ID:</b>	A7463	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	06/24/16	1	1.2	3.6	ND	ND		430675	NA
trans-1,3-Dichloropropene	ETO15	NA	06/24/16	1	0.87	2.3	ND	ND		430675	NA
Toluene	ETO15	NA	06/24/16	1	0.95	1.9	4.14	1.09		430675	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	06/24/16	1	0.85	2.1	ND	ND		430675	NA
cis-1,3-Dichloropropene	ETO15	NA	06/24/16	1	1.1	2.3	ND	ND		430675	NA
Tetrachloroethylene	ETO15	NA	06/24/16	1	0.91	3.4	256	37.65		430675	NA
1,1,2-Trichloroethane	ETO15	NA	06/24/16	1	0.93	2.8	ND	ND		430675	NA
Dibromochloromethane	ETO15	NA	06/24/16	1	1.7	4.3	ND	ND		430675	NA
1,2-Dibromoethane (EDB)	ETO15	NA	06/24/16	1	2.0	7.7	ND	ND		430675	NA
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2-Hexanone	ETO15	NA	06/24/16	1	1.1	4.1	ND	ND		430675	NA
Ethyl Benzene	ETO15	NA	06/24/16	1	0.99	2.2	143	33.26		430675	NA
Chlorobenzene	ETO15	NA	06/24/16	1	0.71	2.3	ND	ND		430675	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	06/24/16	1	1.0	3.5	ND	ND		430675	NA
o-Xylene	ETO15	NA	06/24/16	1	0.81	2.2	260	60.47		430675	NA
Styrene	ETO15	NA	06/24/16	1	0.69	2.2	ND	ND		430675	NA
Bromoform	ETO15	NA	06/24/16	1	1.1	5.0	ND	ND		430675	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	06/24/16	1	0.70	3.5	ND	ND		430675	NA
4-Ethyl Toluene	ETO15	NA	06/24/16	1	0.82	2.5	ND	ND		430675	NA
1,3,5-Trimethylbenzene	ETO15	NA	06/24/16	1	0.76	2.5	ND	ND		430675	NA
1,2,4-Trimethylbenzene	ETO15	NA	06/24/16	1	0.69	2.5	ND	ND		430675	NA
1,4-Dichlorobenzene	ETO15	NA	06/24/16	1	0.65	3.0	ND	ND		430675	NA
1,3-Dichlorobenzene	ETO15	NA	06/24/16	1	0.84	3.0	ND	ND		430675	NA
1,2-Dichlorobenzene	ETO15	NA	06/24/16	1	0.91	3.0	ND	ND		430675	NA
Hexachlorobutadiene	ETO15	NA	06/24/16	1	2.4	5.5	ND	ND		430675	NA
1,2,4-Trichlorobenzene	ETO15	NA	06/24/16	1	3.4	7.4	ND	ND		430675	NA
Naphthalene	ETO15	NA	06/24/16	1	1.5	5.2	ND	ND		430675	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/24/16	1	65	135	84.4 %			430675	NA
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m,p-Xylene	ETO15	NA	06/24/16	5	8.1	22	576	133.95		430675	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/24/16	5	65	135	71.1 %			430675	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-8 @ 7'	<b>Lab Sample ID:</b>	1606160-002A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/23/16 / 12:35	<b>Received PSI :</b>	12.3
<b>Canister/Tube ID:</b>	A7565	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	06/24/16	1	1.5	5.0	ND	ND		430675	NA
1,1-Difluoroethane	ETO15	NA	06/24/16	1	0.50	1.4	ND	ND		430675	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	06/24/16	1	4.9	14	ND	ND		430675	NA
Chloromethane	ETO15	NA	06/24/16	1	0.32	1.1	ND	ND		430675	NA
Vinyl Chloride	ETO15	NA	06/24/16	1	0.67	2.6	ND	ND		430675	NA
1,3-Butadiene	ETO15	NA	06/24/16	1	0.45	1.1	6.14	2.79		430675	NA
Bromomethane	ETO15	NA	06/24/16	1	0.72	2.0	ND	ND		430675	NA
Chloroethane	ETO15	NA	06/24/16	1	0.50	1.3	ND	ND		430675	NA
Trichlorofluoromethane	ETO15	NA	06/24/16	1	1.8	5.6	ND	ND		430675	NA
1,1-Dichloroethene	ETO15	NA	06/24/16	1	0.61	2.0	ND	ND		430675	NA
Freon 113	ETO15	NA	06/24/16	1	0.85	3.9	ND	ND		430675	NA
Carbon Disulfide	ETO15	NA	06/24/16	1	0.81	3.1	58.6	18.90		430675	NA
1,2-Difluoroethane	ETO15	NA	06/24/16	1	0.97	20	ND	ND		430675	NA
Methylene Chloride	ETO15	NA	06/24/16	1	0.58	28	ND	ND		430675	NA
Acetone	ETO15	NA	06/24/16	1	0.88	19	ND	ND		430675	NA
trans-1,2-Dichloroethene	ETO15	NA	06/24/16	1	0.64	2.0	ND	ND		430675	NA
Hexane	ETO15	NA	06/24/16	1	0.53	1.8	20.4	5.83		430675	NA
MTBE	ETO15	NA	06/24/16	1	0.87	1.8	ND	ND		430675	NA
tert-Butanol	ETO15	NA	06/24/16	1	0.91	8.4	ND	ND		430675	NA
Diisopropyl ether (DIPE)	ETO15	NA	06/24/16	1	0.88	2.1	ND	ND		430675	NA
1,1-Dichloroethane	ETO15	NA	06/24/16	1	0.75	2.1	ND	ND		430675	NA
ETBE	ETO15	NA	06/24/16	1	0.68	2.1	ND	ND		430675	NA
cis-1,2-Dichloroethene	ETO15	NA	06/24/16	1	0.54	2.0	ND	ND		430675	NA
Chloroform	ETO15	NA	06/24/16	1	1.2	4.9	ND	ND		430675	NA
Vinyl Acetate	ETO15	NA	06/24/16	1	0.57	1.8	ND	ND		430675	NA
Carbon Tetrachloride	ETO15	NA	06/24/16	1	0.86	3.2	ND	ND		430675	NA
1,1,1-Trichloroethane	ETO15	NA	06/24/16	1	0.85	2.8	ND	ND		430675	NA
2-Butanone (MEK)	ETO15	NA	06/24/16	1	0.63	1.5	5.82	1.94		430675	NA
Ethyl Acetate	ETO15	NA	06/24/16	1	0.74	1.8	ND	ND		430675	NA
Tetrahydrofuran	ETO15	NA	06/24/16	1	0.30	1.5	ND	ND		430675	NA
Benzene	ETO15	NA	06/24/16	1	0.69	1.6	9.18	2.87		430675	NA
TAME	ETO15	NA	06/24/16	1	0.36	2.1	ND	ND		430675	NA
1,2-Dichloroethane (EDC)	ETO15	NA	06/24/16	1	0.99	2.1	ND	ND		430675	NA
Trichloroethylene	ETO15	NA	06/24/16	1	1.4	5.4	ND	ND		430675	NA
1,2-Dichloropropane	ETO15	NA	06/24/16	1	1.3	4.6	ND	ND		430675	NA
Bromodichloromethane	ETO15	NA	06/24/16	1	0.89	3.4	ND	ND		430675	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-8 @ 7'	<b>Lab Sample ID:</b>	1606160-002A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/23/16 / 12:35	<b>Received PSI :</b>	12.3
<b>Canister/Tube ID:</b>	A7565	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	06/24/16	1	1.2	3.6	ND	ND		430675	NA
trans-1,3-Dichloropropene	ETO15	NA	06/24/16	1	0.87	2.3	ND	ND		430675	NA
Toluene	ETO15	NA	06/24/16	1	0.95	1.9	19.1	5.03		430675	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	06/24/16	1	0.85	2.1	9.59	2.34		430675	NA
cis-1,3-Dichloropropene	ETO15	NA	06/24/16	1	1.1	2.3	ND	ND		430675	NA
Tetrachloroethylene	ETO15	NA	06/24/16	1	0.91	3.4	16.7	2.46		430675	NA
1,1,2-Trichloroethane	ETO15	NA	06/24/16	1	0.93	2.8	ND	ND		430675	NA
Dibromochloromethane	ETO15	NA	06/24/16	1	1.7	4.3	ND	ND		430675	NA
1,2-Dibromoethane (EDB)	ETO15	NA	06/24/16	1	2.0	7.7	ND	ND		430675	NA
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2-Hexanone	ETO15	NA	06/24/16	1	1.1	4.1	ND	ND		430675	NA
Ethyl Benzene	ETO15	NA	06/24/16	1	0.99	2.2	232	53.95		430675	NA
Chlorobenzene	ETO15	NA	06/24/16	1	0.71	2.3	ND	ND		430675	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	06/24/16	1	1.0	3.5	ND	ND		430675	NA
Styrene	ETO15	NA	06/24/16	1	0.69	2.2	5.98	1.36		430675	NA
Bromoform	ETO15	NA	06/24/16	1	1.1	5.0	ND	ND		430675	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	06/24/16	1	0.70	3.5	ND	ND		430675	NA
4-Ethyl Toluene	ETO15	NA	06/24/16	1	0.82	2.5	ND	ND		430675	NA
1,3,5-Trimethylbenzene	ETO15	NA	06/24/16	1	0.76	2.5	ND	ND		430675	NA
1,2,4-Trimethylbenzene	ETO15	NA	06/24/16	1	0.69	2.5	ND	ND		430675	NA
1,4-Dichlorobenzene	ETO15	NA	06/24/16	1	0.65	3.0	ND	ND		430675	NA
1,3-Dichlorobenzene	ETO15	NA	06/24/16	1	0.84	3.0	ND	ND		430675	NA
1,2-Dichlorobenzene	ETO15	NA	06/24/16	1	0.91	3.0	ND	ND		430675	NA
Hexachlorobutadiene	ETO15	NA	06/24/16	1	2.4	5.5	ND	ND		430675	NA
1,2,4-Trichlorobenzene	ETO15	NA	06/24/16	1	3.4	7.4	ND	ND		430675	NA
Naphthalene	ETO15	NA	06/24/16	1	1.5	5.2	ND	ND		430675	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/24/16	1	65	135	93.4 %			430675	NA
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m,p-Xylene	ETO15	NA	06/24/16	5	8.1	22	890	206.98		430675	NA
o-Xylene	ETO15	NA	06/24/16	5	4.0	11	282	65.58		430675	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/24/16	5	65	135	69.5 %			430675	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-9 @ 7'	<b>Lab Sample ID:</b>	1606160-003A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/23/16 / 13:05	<b>Received PSI :</b>	11.9
<b>Canister/Tube ID:</b>	A7469	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Dichlorodifluoromethane	ETO15	NA	06/24/16	1	1.5	5.0	ND	ND		430675	NA
1,1-Difluoroethane	ETO15	NA	06/24/16	1	0.50	1.4	ND	ND		430675	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	06/24/16	1	4.9	14	ND	ND		430675	NA
Chloromethane	ETO15	NA	06/24/16	1	0.32	1.1	ND	ND		430675	NA
Vinyl Chloride	ETO15	NA	06/24/16	1	0.67	2.6	ND	ND		430675	NA
1,3-Butadiene	ETO15	NA	06/24/16	1	0.45	1.1	4.33	1.97		430675	NA
Bromomethane	ETO15	NA	06/24/16	1	0.72	2.0	ND	ND		430675	NA
Chloroethane	ETO15	NA	06/24/16	1	0.50	1.3	ND	ND		430675	NA
Trichlorofluoromethane	ETO15	NA	06/24/16	1	1.8	5.6	ND	ND		430675	NA
1,1-Dichloroethene	ETO15	NA	06/24/16	1	0.61	2.0	ND	ND		430675	NA
Freon 113	ETO15	NA	06/24/16	1	0.85	3.9	ND	ND		430675	NA
Carbon Disulfide	ETO15	NA	06/24/16	1	0.81	3.1	43.6	14.06		430675	NA
1,2-Difluoroethane	ETO15	NA	06/24/16	1	0.97	20	ND	ND		430675	NA
Methylene Chloride	ETO15	NA	06/24/16	1	0.58	28	ND	ND		430675	NA
Acetone	ETO15	NA	06/24/16	1	0.88	19	ND	ND		430675	NA
trans-1,2-Dichloroethene	ETO15	NA	06/24/16	1	0.64	2.0	ND	ND		430675	NA
Hexane	ETO15	NA	06/24/16	1	0.53	1.8	6.13	1.75		430675	NA
MTBE	ETO15	NA	06/24/16	1	0.87	1.8	ND	ND		430675	NA
tert-Butanol	ETO15	NA	06/24/16	1	0.91	8.4	ND	ND		430675	NA
Diisopropyl ether (DIPE)	ETO15	NA	06/24/16	1	0.88	2.1	ND	ND		430675	NA
1,1-Dichloroethane	ETO15	NA	06/24/16	1	0.75	2.1	ND	ND		430675	NA
ETBE	ETO15	NA	06/24/16	1	0.68	2.1	ND	ND		430675	NA
cis-1,2-Dichloroethene	ETO15	NA	06/24/16	1	0.54	2.0	ND	ND		430675	NA
Chloroform	ETO15	NA	06/24/16	1	1.2	4.9	ND	ND		430675	NA
Vinyl Acetate	ETO15	NA	06/24/16	1	0.57	1.8	ND	ND		430675	NA
Carbon Tetrachloride	ETO15	NA	06/24/16	1	0.86	3.2	ND	ND		430675	NA
1,1,1-Trichloroethane	ETO15	NA	06/24/16	1	0.85	2.8	ND	ND		430675	NA
2-Butanone (MEK)	ETO15	NA	06/24/16	1	0.63	1.5	ND	ND		430675	NA
Ethyl Acetate	ETO15	NA	06/24/16	1	0.74	1.8	ND	ND		430675	NA
Tetrahydrofuran	ETO15	NA	06/24/16	1	0.30	1.5	ND	ND		430675	NA
Benzene	ETO15	NA	06/24/16	1	0.69	1.6	3.84	1.20		430675	NA
TAME	ETO15	NA	06/24/16	1	0.36	2.1	ND	ND		430675	NA
1,2-Dichloroethane (EDC)	ETO15	NA	06/24/16	1	0.99	2.1	ND	ND		430675	NA
Trichloroethylene	ETO15	NA	06/24/16	1	1.4	5.4	ND	ND		430675	NA
1,2-Dichloropropane	ETO15	NA	06/24/16	1	1.3	4.6	ND	ND		430675	NA
Bromodichloromethane	ETO15	NA	06/24/16	1	0.89	3.4	ND	ND		430675	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-9 @ 7'	<b>Lab Sample ID:</b>	1606160-003A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/23/16 / 13:05	<b>Received PSI :</b>	11.9
<b>Canister/Tube ID:</b>	A7469	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
1,4-Dioxane	ETO15	NA	06/24/16	1	1.2	3.6	ND	ND		430675	NA
trans-1,3-Dichloropropene	ETO15	NA	06/24/16	1	0.87	2.3	ND	ND		430675	NA
Toluene	ETO15	NA	06/24/16	1	0.95	1.9	9.96	2.62		430675	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	06/24/16	1	0.85	2.1	ND	ND		430675	NA
cis-1,3-Dichloropropene	ETO15	NA	06/24/16	1	1.1	2.3	ND	ND		430675	NA
1,1,2-Trichloroethane	ETO15	NA	06/24/16	1	0.93	2.8	ND	ND		430675	NA
Dibromochloromethane	ETO15	NA	06/24/16	1	1.7	4.3	ND	ND		430675	NA
1,2-Dibromoethane (EDB)	ETO15	NA	06/24/16	1	2.0	7.7	ND	ND		430675	NA
Tetrachloroethylene	ETO15	NA	06/24/16	2	1.8	6.8	256	37.65		430675	NA
2-Hexanone	ETO15	NA	06/24/16	1	1.1	4.1	ND	ND		430675	NA
Ethyl Benzene	ETO15	NA	06/24/16	1	0.99	2.2	ND	ND		430675	NA
Chlorobenzene	ETO15	NA	06/24/16	1	0.71	2.3	ND	ND		430675	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	06/24/16	1	1.0	3.5	ND	ND		430675	NA
m,p-Xylene	ETO15	NA	06/24/16	1	1.6	4.3	4.69	1.09		430675	NA
o-Xylene	ETO15	NA	06/24/16	1	0.81	2.2	ND	ND		430675	NA
Styrene	ETO15	NA	06/24/16	1	0.69	2.2	ND	ND		430675	NA
Bromoform	ETO15	NA	06/24/16	1	1.1	5.0	ND	ND		430675	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	06/24/16	1	0.70	3.5	ND	ND		430675	NA
4-Ethyl Toluene	ETO15	NA	06/24/16	1	0.82	2.5	ND	ND		430675	NA
1,3,5-Trimethylbenzene	ETO15	NA	06/24/16	1	0.76	2.5	ND	ND		430675	NA
1,2,4-Trimethylbenzene	ETO15	NA	06/24/16	1	0.69	2.5	ND	ND		430675	NA
1,4-Dichlorobenzene	ETO15	NA	06/24/16	1	0.65	3.0	ND	ND		430675	NA
1,3-Dichlorobenzene	ETO15	NA	06/24/16	1	0.84	3.0	ND	ND		430675	NA
1,2-Dichlorobenzene	ETO15	NA	06/24/16	1	0.91	3.0	ND	ND		430675	NA
Hexachlorobutadiene	ETO15	NA	06/24/16	1	2.4	5.5	ND	ND		430675	NA
1,2,4-Trichlorobenzene	ETO15	NA	06/24/16	1	3.4	7.4	ND	ND		430675	NA
Naphthalene	ETO15	NA	06/24/16	1	1.5	5.2	ND	ND		430675	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/24/16	1	65	135	96.4 %			430675	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/24/16	2	65	135	68.5 %			430675	NA





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-7 @ 10'	<b>Lab Sample ID:</b>	1606160-004A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/23/16 / 14:40	<b>Received PSI :</b>	5.5
<b>Canister/Tube ID:</b>	A7461	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	ETO15	NA	06/24/16	2.3	3.5	12	ND	ND		430675	NA
1,1-Difluoroethane	ETO15	NA	06/24/16	2.3	1.1	3.1	3.42	1.27		430675	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	06/24/16	2.3	11	32	ND	ND		430675	NA
Chloromethane	ETO15	NA	06/24/16	2.3	0.73	2.4	ND	ND		430675	NA
Vinyl Chloride	ETO15	NA	06/24/16	2.3	1.5	6.0	ND	ND		430675	NA
1,3-Butadiene	ETO15	NA	06/24/16	2.3	1.0	2.5	7.79	3.54		430675	NA
Bromomethane	ETO15	NA	06/24/16	2.3	1.7	4.5	ND	ND		430675	NA
Chloroethane	ETO15	NA	06/24/16	2.3	1.2	3.0	ND	ND		430675	NA
Trichlorofluoromethane	ETO15	NA	06/24/16	2.3	4.2	13	ND	ND		430675	NA
1,1-Dichloroethene	ETO15	NA	06/24/16	2.3	1.4	4.6	ND	ND		430675	NA
Freon 113	ETO15	NA	06/24/16	2.3	2.0	8.9	ND	ND		430675	NA
Carbon Disulfide	ETO15	NA	06/24/16	2.3	1.9	7.1	56.8	18.32		430675	NA
1,2-Difluoroethane	ETO15	NA	06/24/16	2.3	2.2	46	ND	ND		430675	NA
Methylene Chloride	ETO15	NA	06/24/16	2.3	1.3	64	ND	ND		430675	NA
Acetone	ETO15	NA	06/24/16	2.3	2.0	44	10.6	4.42	J	430675	NA
trans-1,2-Dichloroethene	ETO15	NA	06/24/16	2.3	1.5	4.6	ND	ND		430675	NA
Hexane	ETO15	NA	06/24/16	2.3	1.2	4.0	184	52.57		430675	NA
MTBE	ETO15	NA	06/24/16	2.3	2.0	4.1	ND	ND		430675	NA
tert-Butanol	ETO15	NA	06/24/16	2.3	2.1	19	ND	ND		430675	NA
Diisopropyl ether (DIPE)	ETO15	NA	06/24/16	2.3	2.0	4.8	ND	ND		430675	NA
1,1-Dichloroethane	ETO15	NA	06/24/16	2.3	1.7	4.7	ND	ND		430675	NA
ETBE	ETO15	NA	06/24/16	2.3	1.6	4.8	ND	ND		430675	NA
cis-1,2-Dichloroethene	ETO15	NA	06/24/16	2.3	1.2	4.6	ND	ND		430675	NA
Chloroform	ETO15	NA	06/24/16	2.3	2.8	11	ND	ND		430675	NA
Vinyl Acetate	ETO15	NA	06/24/16	2.3	1.3	4.0	ND	ND		430675	NA
Carbon Tetrachloride	ETO15	NA	06/24/16	2.3	2.0	7.2	ND	ND		430675	NA
1,1,1-Trichloroethane	ETO15	NA	06/24/16	2.3	2.0	6.3	ND	ND		430675	NA
2-Butanone (MEK)	ETO15	NA	06/24/16	2.3	1.4	3.5	23.3	7.77		430675	NA
Ethyl Acetate	ETO15	NA	06/24/16	2.3	1.7	4.1	ND	ND		430675	NA
Tetrahydrofuran	ETO15	NA	06/24/16	2.3	0.69	3.5	ND	ND		430675	NA
Benzene	ETO15	NA	06/24/16	2.3	1.6	3.7	21.9	6.84		430675	NA
TAME	ETO15	NA	06/24/16	2.3	0.83	4.8	ND	ND		430675	NA
1,2-Dichloroethane (EDC)	ETO15	NA	06/24/16	2.3	2.3	4.7	ND	ND		430675	NA
Trichloroethylene	ETO15	NA	06/24/16	2.3	3.2	12	ND	ND		430675	NA
1,2-Dichloropropane	ETO15	NA	06/24/16	2.3	3.0	11	ND	ND		430675	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-7 @ 10'	<b>Lab Sample ID:</b>	1606160-004A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/23/16 / 14:40	<b>Received PSI :</b>	5.5
<b>Canister/Tube ID:</b>	A7461	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Bromodichloromethane	ETO15	NA	06/24/16	2.3	2.0	7.7	ND	ND		430675	NA
1,4-Dioxane	ETO15	NA	06/24/16	2.3	2.9	8.3	ND	ND		430675	NA
trans-1,3-Dichloropropene	ETO15	NA	06/24/16	2.3	2.0	5.2	ND	ND		430675	NA
Toluene	ETO15	NA	06/24/16	2.3	2.2	4.4	20.9	5.50		430675	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	06/24/16	2.3	2.0	4.7	ND	ND		430675	NA
cis-1,3-Dichloropropene	ETO15	NA	06/24/16	2.3	2.6	5.2	ND	ND		430675	NA
Tetrachloroethylene	ETO15	NA	06/24/16	2.3	2.1	7.8	24.4	3.59		430675	NA
1,1,2-Trichloroethane	ETO15	NA	06/24/16	2.3	2.1	6.3	ND	ND		430675	NA
Dibromochloromethane	ETO15	NA	06/24/16	2.3	4.0	9.8	ND	ND		430675	NA
1,2-Dibromoethane (EDB)	ETO15	NA	06/24/16	2.3	4.7	18	ND	ND		430675	NA
2-Hexanone	ETO15	NA	06/24/16	2.3	2.6	9.4	ND	ND		430675	NA
Ethyl Benzene	ETO15	NA	06/24/16	2.3	2.3	4.9	ND	ND		430675	NA
Chlorobenzene	ETO15	NA	06/24/16	2.3	1.6	5.3	ND	ND		430675	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	06/24/16	2.3	2.4	7.9	ND	ND		430675	NA
m,p-Xylene	ETO15	NA	06/24/16	2.3	3.7	9.9	ND	ND		430675	NA
o-Xylene	ETO15	NA	06/24/16	2.3	1.9	4.9	ND	ND		430675	NA
Styrene	ETO15	NA	06/24/16	2.3	1.6	5.1	ND	ND		430675	NA
Bromoform	ETO15	NA	06/24/16	2.3	2.5	12	ND	ND		430675	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	06/24/16	2.3	1.6	7.9	ND	ND		430675	NA
4-Ethyl Toluene	ETO15	NA	06/24/16	2.3	1.9	5.6	ND	ND		430675	NA
1,3,5-Trimethylbenzene	ETO15	NA	06/24/16	2.3	1.7	5.6	ND	ND		430675	NA
1,2,4-Trimethylbenzene	ETO15	NA	06/24/16	2.3	1.6	5.6	ND	ND		430675	NA
1,4-Dichlorobenzene	ETO15	NA	06/24/16	2.3	1.5	6.9	ND	ND		430675	NA
1,3-Dichlorobenzene	ETO15	NA	06/24/16	2.3	1.9	6.9	ND	ND		430675	NA
1,2-Dichlorobenzene	ETO15	NA	06/24/16	2.3	2.1	6.9	ND	ND		430675	NA
Hexachlorobutadiene	ETO15	NA	06/24/16	2.3	5.6	13	ND	ND		430675	NA
1,2,4-Trichlorobenzene	ETO15	NA	06/24/16	2.3	7.8	17	ND	ND		430675	NA
Naphthalene	ETO15	NA	06/24/16	2.3	3.3	12	ND	ND		430675	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/24/16	2.3	65	135	86.4 %			430675	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-5 @ 10'	<b>Lab Sample ID:</b>	1606160-005A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/24/16 / 8:15	<b>Received PSI :</b>	6.1
<b>Canister/Tube ID:</b>	A7472	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	ETO15	NA	06/26/16	27	41	140	ND	ND		430682	NA
1,1-Difluoroethane	ETO15	NA	06/26/16	27	13	36	ND	ND		430682	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	06/26/16	27	130	380	ND	ND		430682	NA
Chloromethane	ETO15	NA	06/26/16	27	8.6	28	ND	ND		430682	NA
Vinyl Chloride	ETO15	NA	06/26/16	27	18	70	ND	ND		430682	NA
1,3-Butadiene	ETO15	NA	06/26/16	27	12	30	ND	ND		430682	NA
Bromomethane	ETO15	NA	06/26/16	27	19	53	ND	ND		430682	NA
Chloroethane	ETO15	NA	06/26/16	27	14	35	ND	ND		430682	NA
Trichlorofluoromethane	ETO15	NA	06/26/16	27	49	150	ND	ND		430682	NA
1,1-Dichloroethene	ETO15	NA	06/26/16	27	17	54	ND	ND		430682	NA
Freon 113	ETO15	NA	06/26/16	27	23	100	ND	ND		430682	NA
Carbon Disulfide	ETO15	NA	06/26/16	27	22	84	144	46.45		430682	NA
1,2-Difluoroethane	ETO15	NA	06/26/16	27	26	540	ND	ND		430682	NA
Methylene Chloride	ETO15	NA	06/26/16	27	16	760	ND	ND		430682	NA
Acetone	ETO15	NA	06/26/16	27	24	520	46.0	19.17	J	430682	NA
trans-1,2-Dichloroethene	ETO15	NA	06/26/16	27	17	54	ND	ND		430682	NA
Hexane	ETO15	NA	06/26/16	27	14	47	ND	ND		430682	NA
MTBE	ETO15	NA	06/26/16	27	23	49	ND	ND		430682	NA
tert-Butanol	ETO15	NA	06/26/16	27	25	230	ND	ND		430682	NA
Diisopropyl ether (DIPE)	ETO15	NA	06/26/16	27	24	57	ND	ND		430682	NA
1,1-Dichloroethane	ETO15	NA	06/26/16	27	20	55	ND	ND		430682	NA
ETBE	ETO15	NA	06/26/16	27	18	57	ND	ND		430682	NA
cis-1,2-Dichloroethene	ETO15	NA	06/26/16	27	14	54	ND	ND		430682	NA
Chloroform	ETO15	NA	06/26/16	27	33	130	ND	ND		430682	NA
Vinyl Acetate	ETO15	NA	06/26/16	27	15	47	ND	ND		430682	NA
Carbon Tetrachloride	ETO15	NA	06/26/16	27	23	85	ND	ND		430682	NA
1,1,1-Trichloroethane	ETO15	NA	06/26/16	27	23	74	ND	ND		430682	NA
2-Butanone (MEK)	ETO15	NA	06/26/16	27	17	41	ND	ND		430682	NA
Ethyl Acetate	ETO15	NA	06/26/16	27	20	49	ND	ND		430682	NA
Tetrahydrofuran	ETO15	NA	06/26/16	27	8.1	41	ND	ND		430682	NA
Benzene	ETO15	NA	06/26/16	27	19	43	ND	ND		430682	NA
TAME	ETO15	NA	06/26/16	27	9.8	57	ND	ND		430682	NA
1,2-Dichloroethane (EDC)	ETO15	NA	06/26/16	27	27	55	ND	ND		430682	NA
Trichloroethylene	ETO15	NA	06/26/16	27	37	150	ND	ND		430682	NA
1,2-Dichloropropane	ETO15	NA	06/26/16	27	35	120	ND	ND		430682	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-5 @ 10'	<b>Lab Sample ID:</b>	1606160-005A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/24/16 / 8:15	<b>Received PSI :</b>	6.1
<b>Canister/Tube ID:</b>	A7472	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Bromodichloromethane	ETO15	NA	06/26/16	27	24	90	ND	ND		430682	NA
1,4-Dioxane	ETO15	NA	06/26/16	27	34	97	ND	ND		430682	NA
trans-1,3-Dichloropropene	ETO15	NA	06/26/16	27	23	61	ND	ND		430682	NA
Toluene	ETO15	NA	06/26/16	27	26	51	ND	ND		430682	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	06/26/16	27	23	55	ND	ND		430682	NA
cis-1,3-Dichloropropene	ETO15	NA	06/26/16	27	30	61	ND	ND		430682	NA
Tetrachloroethylene	ETO15	NA	06/26/16	27	24	92	ND	ND		430682	NA
1,1,2-Trichloroethane	ETO15	NA	06/26/16	27	25	74	ND	ND		430682	NA
Dibromochloromethane	ETO15	NA	06/26/16	27	47	110	ND	ND		430682	NA
1,2-Dibromoethane (EDB)	ETO15	NA	06/26/16	27	55	210	ND	ND		430682	NA

**NOTE:** The reporting limits were raised due to suppression of the internal standards used for peak quantitation during analysis of undiluted run.

**The results shown below are reported using their MDL.**

2-Hexanone	ETO15	NA	06/26/16	27	30	110	ND	ND		430682	NA
Ethyl Benzene	ETO15	NA	06/26/16	27	27	58	ND	ND		430682	NA
Chlorobenzene	ETO15	NA	06/26/16	27	19	62	ND	ND		430682	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	06/26/16	27	28	93	ND	ND		430682	NA
m,p-Xylene	ETO15	NA	06/26/16	27	44	120	ND	ND		430682	NA
o-Xylene	ETO15	NA	06/26/16	27	22	58	ND	ND		430682	NA
Styrene	ETO15	NA	06/26/16	27	19	59	ND	ND		430682	NA
Bromoform	ETO15	NA	06/26/16	27	30	140	ND	ND		430682	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	06/26/16	27	19	93	ND	ND		430682	NA
4-Ethyl Toluene	ETO15	NA	06/26/16	27	22	66	ND	ND		430682	NA
1,3,5-Trimethylbenzene	ETO15	NA	06/26/16	27	20	66	ND	ND		430682	NA
1,2,4-Trimethylbenzene	ETO15	NA	06/26/16	27	19	66	ND	ND		430682	NA
1,4-Dichlorobenzene	ETO15	NA	06/26/16	27	17	81	ND	ND		430682	NA
1,3-Dichlorobenzene	ETO15	NA	06/26/16	27	23	81	ND	ND		430682	NA
1,2-Dichlorobenzene	ETO15	NA	06/26/16	27	25	81	ND	ND		430682	NA
Hexachlorobutadiene	ETO15	NA	06/26/16	27	65	150	ND	ND		430682	NA
1,2,4-Trichlorobenzene	ETO15	NA	06/26/16	27	92	200	ND	ND		430682	NA
Naphthalene	ETO15	NA	06/26/16	27	39	140	ND	ND		430682	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/26/16	27	65	135	97.4 %			430682	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-10 @ 10'	<b>Lab Sample ID:</b>	1606160-006A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/24/16 / 8:30	<b>Received PSI :</b>	6.7
<b>Canister/Tube ID:</b>	6327	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	ETO15	NA	06/24/16	2	3.0	10	ND	ND		430675	NA
1,1-Difluoroethane	ETO15	NA	06/24/16	2	1.0	2.7	ND	ND		430675	NA
1,2-Dichlorotetrafluoroethane	ETO15	NA	06/24/16	2	9.9	28	ND	ND		430675	NA
Chloromethane	ETO15	NA	06/24/16	2	0.64	2.1	ND	ND		430675	NA
Vinyl Chloride	ETO15	NA	06/24/16	2	1.3	5.2	ND	ND		430675	NA
1,3-Butadiene	ETO15	NA	06/24/16	2	0.89	2.2	2.24	1.02		430675	NA
Bromomethane	ETO15	NA	06/24/16	2	1.4	3.9	ND	ND		430675	NA
Chloroethane	ETO15	NA	06/24/16	2	1.0	2.6	ND	ND		430675	NA
Trichlorofluoromethane	ETO15	NA	06/24/16	2	3.6	11	ND	ND		430675	NA
1,1-Dichloroethene	ETO15	NA	06/24/16	2	1.2	4.0	ND	ND		430675	NA
Freon 113	ETO15	NA	06/24/16	2	1.7	7.7	ND	ND		430675	NA
Carbon Disulfide	ETO15	NA	06/24/16	2	1.6	6.2	34.4	11.10		430675	NA
1,2-Difluoroethane	ETO15	NA	06/24/16	2	1.9	40	ND	ND		430675	NA
Methylene Chloride	ETO15	NA	06/24/16	2	1.2	56	ND	ND		430675	NA
Acetone	ETO15	NA	06/24/16	2	1.8	38	54.1	22.54		430675	NA
trans-1,2-Dichloroethene	ETO15	NA	06/24/16	2	1.3	4.0	ND	ND		430675	NA
Hexane	ETO15	NA	06/24/16	2	1.1	3.5	261	74.57		430675	NA
MTBE	ETO15	NA	06/24/16	2	1.7	3.6	ND	ND		430675	NA
tert-Butanol	ETO15	NA	06/24/16	2	1.8	17	ND	ND		430675	NA
Diisopropyl ether (DIPE)	ETO15	NA	06/24/16	2	1.8	4.2	ND	ND		430675	NA
1,1-Dichloroethane	ETO15	NA	06/24/16	2	1.5	4.1	ND	ND		430675	NA
ETBE	ETO15	NA	06/24/16	2	1.4	4.2	ND	ND		430675	NA
cis-1,2-Dichloroethene	ETO15	NA	06/24/16	2	1.1	4.0	ND	ND		430675	NA
Chloroform	ETO15	NA	06/24/16	2	2.5	9.8	ND	ND		430675	NA
Vinyl Acetate	ETO15	NA	06/24/16	2	1.1	3.5	ND	ND		430675	NA
Carbon Tetrachloride	ETO15	NA	06/24/16	2	1.7	6.3	ND	ND		430675	NA
1,1,1-Trichloroethane	ETO15	NA	06/24/16	2	1.7	5.5	ND	ND		430675	NA
2-Butanone (MEK)	ETO15	NA	06/24/16	2	1.3	3.0	99.8	33.27		430675	NA
Ethyl Acetate	ETO15	NA	06/24/16	2	1.5	3.6	ND	ND		430675	NA
Tetrahydrofuran	ETO15	NA	06/24/16	2	0.60	3.0	ND	ND		430675	NA
Benzene	ETO15	NA	06/24/16	2	1.4	3.2	61.8	19.31		430675	NA
TAME	ETO15	NA	06/24/16	2	0.72	4.2	ND	ND		430675	NA
1,2-Dichloroethane (EDC)	ETO15	NA	06/24/16	2	2.0	4.1	ND	ND		430675	NA
Trichloroethylene	ETO15	NA	06/24/16	2	2.8	11	ND	ND		430675	NA
1,2-Dichloropropane	ETO15	NA	06/24/16	2	2.6	9.2	ND	ND		430675	NA



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date Received:** 06/24/16  
**Date Reported:** 06/27/16

<b>Client Sample ID:</b>	SG-10 @ 10'	<b>Lab Sample ID:</b>	1606160-006A
<b>Project Name/Location:</b>	Bockman Road Property	<b>Sample Matrix:</b>	Air
<b>Project Number:</b>	12181.000.000	<b>Certified Clean WO # :</b>	
<b>Date/Time Sampled:</b>	06/24/16 / 8:30	<b>Received PSI :</b>	6.7
<b>Canister/Tube ID:</b>	6327	<b>Corrected PSI :</b>	0.0
<b>Collection Volume (L):</b>	0.00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Lab Qualifier	Analytical Batch	Prep Batch
Bromodichloromethane	ETO15	NA	06/24/16	2	1.8	6.7	ND	ND		430675	NA
1,4-Dioxane	ETO15	NA	06/24/16	2	2.5	7.2	ND	ND		430675	NA
trans-1,3-Dichloropropene	ETO15	NA	06/24/16	2	1.7	4.5	ND	ND		430675	NA
Toluene	ETO15	NA	06/24/16	2	1.9	3.8	76.2	20.05		430675	NA
4-Methyl-2-Pentanone (MIBK)	ETO15	NA	06/24/16	2	1.7	4.1	ND	ND		430675	NA
cis-1,3-Dichloropropene	ETO15	NA	06/24/16	2	2.3	4.5	ND	ND		430675	NA
Tetrachloroethylene	ETO15	NA	06/24/16	2	1.8	6.8	ND	ND		430675	NA
1,1,2-Trichloroethane	ETO15	NA	06/24/16	2	1.9	5.5	ND	ND		430675	NA
Dibromochloromethane	ETO15	NA	06/24/16	2	3.5	8.5	ND	ND		430675	NA
1,2-Dibromoethane (EDB)	ETO15	NA	06/24/16	2	4.1	15	ND	ND		430675	NA

**The results shown below are reported using their MDL.**

2-Hexanone	ETO15	NA	06/24/16	2	2.2	8.2	ND	ND		430675	NA
Ethyl Benzene	ETO15	NA	06/24/16	2	2.0	4.3	ND	ND		430675	NA
Chlorobenzene	ETO15	NA	06/24/16	2	1.4	4.6	ND	ND		430675	NA
1,1,1,2-Tetrachloroethane	ETO15	NA	06/24/16	2	2.1	6.9	ND	ND		430675	NA
m,p-Xylene	ETO15	NA	06/24/16	2	3.2	8.6	6.97	1.62	J	430675	NA
o-Xylene	ETO15	NA	06/24/16	2	1.6	4.3	ND	ND		430675	NA
Styrene	ETO15	NA	06/24/16	2	1.4	4.4	ND	ND		430675	NA
Bromoform	ETO15	NA	06/24/16	2	2.2	10	ND	ND		430675	NA
1,1,2,2-Tetrachloroethane	ETO15	NA	06/24/16	2	1.4	6.9	ND	ND		430675	NA
4-Ethyl Toluene	ETO15	NA	06/24/16	2	1.6	4.9	ND	ND		430675	NA
1,3,5-Trimethylbenzene	ETO15	NA	06/24/16	2	1.5	4.9	ND	ND		430675	NA
1,2,4-Trimethylbenzene	ETO15	NA	06/24/16	2	1.4	4.9	ND	ND		430675	NA
1,4-Dichlorobenzene	ETO15	NA	06/24/16	2	1.3	6.0	ND	ND		430675	NA
1,3-Dichlorobenzene	ETO15	NA	06/24/16	2	1.7	6.0	ND	ND		430675	NA
Benzyl Chloride	ETO15	NA	06/24/16	2	1.2	5.2	ND	ND		430675	NA
1,2-Dichlorobenzene	ETO15	NA	06/24/16	2	1.8	6.0	ND	ND		430675	NA
Hexachlorobutadiene	ETO15	NA	06/24/16	2	4.8	11	ND	ND		430675	NA
1,2,4-Trichlorobenzene	ETO15	NA	06/24/16	2	6.8	15	ND	ND		430675	NA
Naphthalene	ETO15	NA	06/24/16	2	2.9	10	ND	ND		430675	NA
(S) 4-Bromofluorobenzene	ETO15	NA	06/24/16	2	65	135	80.5 %			430675	NA



## MB Summary Report

<b>Work Order:</b>	1606160	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/24/16	<b>Analytical Batch:</b>	430675
<b>Units:</b>	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.30	1.00	ND		
1,1-Difluoroethane	0.18	10.0	ND		
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND		
Chloromethane	0.15	0.500	ND		
Vinyl Chloride	0.26	1.00	ND		
1,3-Butadiene	0.20	0.500	ND		
Bromomethane	0.18	0.500	ND		
Chloroethane	0.19	0.500	ND		
Trichlorofluoromethane	0.32	1.00	ND		
1,1-Dichloroethene	0.15	0.500	ND		
Freon 113	0.11	0.500	ND		
Carbon Disulfide	0.26	1.00	ND		
1,2-Difluoroethane	0.39	10.0	ND		
Methylene Chloride	0.17	8.00	ND		
Acetone	0.37	8.00	ND		
trans-1,2-Dichloroethene	0.16	0.500	ND		
Hexane	0.15	0.500	ND		
MTBE	0.24	0.500	ND		
tert-Butanol	0.22	2.00	ND		
Diisopropyl ether (DIPE)	0.21	0.500	ND		
1,1-Dichloroethane	0.18	0.500	ND		
ETBE	0.16	0.500	ND		
cis-1,2-Dichloroethene	0.13	0.500	ND		
Chloroform	0.25	1.00	ND		
Vinyl Acetate	0.16	0.500	ND		
Carbon Tetrachloride	0.14	0.500	ND		
1,1,1-Trichloroethane	0.15	0.500	ND		
2-Butanone (MEK)	0.21	0.500	ND		
Ethyl Acetate	0.21	0.500	ND		
Tetrahydrofuran	0.10	0.500	ND		
Benzene	0.21	0.500	ND		
TAME	0.086	0.500	ND		
1,2-Dichloroethane (EDC)	0.24	0.500	ND		
Trichloroethylene	0.26	1.00	ND		
1,2-Dichloropropane	0.29	1.00	ND		
Bromodichloromethane	0.13	0.500	ND		
1,4-Dioxane	0.35	1.00	ND		
trans-1,3-Dichloropropene	0.19	0.500	ND		
Toluene	0.25	0.500	ND		
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND		
cis-1,3-Dichloropropene	0.25	0.500	ND		



## MB Summary Report

<b>Work Order:</b>	1606160	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/24/16	<b>Analytical Batch:</b>	430675
<b>Units:</b>	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Tetrachloroethylene	0.13	0.500	ND		
1,1,2-Trichloroethane	0.17	0.500	ND		
Dibromochloromethane	0.20	0.500	ND		
1,2-Dibromoethane (EDB)	0.27	1.00	ND		
2-Hexanone	0.27	1.00	ND		
Ethyl Benzene	0.23	0.500	ND		
Chlorobenzene	0.15	0.500	ND		
1,1,1,2-Tetrachloroethane	0.15	0.500	ND		
m,p-Xylene	0.38	1.00	ND		
o-Xylene	0.19	0.500	ND		
Styrene	0.16	0.500	ND		
Bromoform	0.11	0.500	ND		
1,1,2,2-Tetrachloroethane	0.10	0.500	ND		
4-Ethyl Toluene	0.17	0.500	ND		
1,3,5-Trimethylbenzene	0.15	0.500	ND		
1,2,4-Trimethylbenzene	0.14	0.500	ND		
1,4-Dichlorobenzene	0.11	0.500	ND		
1,3-Dichlorobenzene	0.14	0.500	ND		
1,2-Dichlorobenzene	0.15	0.500	ND		
Hexachlorobutadiene	0.22	0.500	ND		
1,2,4-Trichlorobenzene	0.46	1.00	ND		
Naphthalene	0.28	1.00	ND		
(S) 4-Bromofluorobenzene			85.4		





## MB Summary Report

<b>Work Order:</b>	1606160	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/26/16	<b>Analytical Batch:</b>	430682
<b>Units:</b>	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.30	1.00	ND		
1,1-Difluoroethane	0.18	10.0	ND		
1,2-Dichlorotetrafluoroethane	0.70	2.00	ND		
Chloromethane	0.15	0.500	ND		
Vinyl Chloride	0.26	1.00	ND		
1,3-Butadiene	0.20	0.500	ND		
Bromomethane	0.18	0.500	ND		
Chloroethane	0.19	0.500	ND		
Trichlorofluoromethane	0.32	1.00	ND		
1,1-Dichloroethene	0.15	0.500	ND		
Freon 113	0.11	0.500	ND		
Carbon Disulfide	0.26	1.00	ND		
1,2-Difluoroethane	0.39	10.0	ND		
Methylene Chloride	0.17	8.00	ND		
Acetone	0.37	8.00	ND		
trans-1,2-Dichloroethene	0.16	0.500	ND		
Hexane	0.15	0.500	ND		
MTBE	0.24	0.500	ND		
tert-Butanol	0.22	2.00	ND		
Diisopropyl ether (DIPE)	0.21	0.500	ND		
1,1-Dichloroethane	0.18	0.500	ND		
ETBE	0.16	0.500	ND		
cis-1,2-Dichloroethene	0.13	0.500	ND		
Chloroform	0.25	1.00	ND		
Vinyl Acetate	0.16	0.500	ND		
Carbon Tetrachloride	0.14	0.500	ND		
1,1,1-Trichloroethane	0.15	0.500	ND		
2-Butanone (MEK)	0.21	0.500	ND		
Ethyl Acetate	0.21	0.500	ND		
Tetrahydrofuran	0.10	0.500	ND		
Benzene	0.21	0.500	ND		
TAME	0.086	0.500	ND		
1,2-Dichloroethane (EDC)	0.24	0.500	ND		
Trichloroethylene	0.26	1.00	ND		
1,2-Dichloropropane	0.29	1.00	ND		
Bromodichloromethane	0.13	0.500	ND		
1,4-Dioxane	0.35	1.00	ND		
trans-1,3-Dichloropropene	0.19	0.500	ND		
Toluene	0.25	0.500	ND		
4-Methyl-2-Pentanone (MIBK)	0.21	0.500	ND		
cis-1,3-Dichloropropene	0.25	0.500	ND		



## MB Summary Report

<b>Work Order:</b>	1606160	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/26/16	<b>Analytical Batch:</b>	430682
<b>Units:</b>	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Tetrachloroethylene	0.13	0.500	ND		
1,1,2-Trichloroethane	0.17	0.500	ND		
Dibromochloromethane	0.20	0.500	ND		
1,2-Dibromoethane (EDB)	0.27	1.00	ND		
2-Hexanone	0.27	1.00	ND		
Ethyl Benzene	0.23	0.500	ND		
Chlorobenzene	0.15	0.500	ND		
1,1,1,2-Tetrachloroethane	0.15	0.500	ND		
m,p-Xylene	0.38	1.00	ND		
o-Xylene	0.19	0.500	ND		
Styrene	0.16	0.500	ND		
Bromoform	0.11	0.500	ND		
1,1,2,2-Tetrachloroethane	0.10	0.500	ND		
4-Ethyl Toluene	0.17	0.500	ND		
1,3,5-Trimethylbenzene	0.15	0.500	ND		
1,2,4-Trimethylbenzene	0.14	0.500	ND		
1,4-Dichlorobenzene	0.11	0.500	ND		
1,3-Dichlorobenzene	0.14	0.500	ND		
1,2-Dichlorobenzene	0.15	0.500	ND		
Hexachlorobutadiene	0.22	0.500	ND		
1,2,4-Trichlorobenzene	0.46	1.00	ND		
Naphthalene	0.28	1.00	ND		
(S) 4-Bromofluorobenzene			89.0		



## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1606160	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/24/16	<b>Analytical Batch:</b>	430675
<b>Units:</b>	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	0.15	0.500	ND	8	103	95.4	7.57	65 - 135	30	
Benzene	0.21	0.500	ND	8	99.5	96.6	2.93	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	8	98.0	98.3	0.255	65 - 135	30	
Toluene	0.25	0.500	ND	8	97.5	94.4	3.26	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	8	93.8	93.1	0.669	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	8	96.3	100		65 - 135		
1,2-Difluoroethane			ND					-		

<b>Work Order:</b>	1606160	<b>Prep Method:</b>	NA	<b>Prep Date:</b>	NA	<b>Prep Batch:</b>	NA
<b>Matrix:</b>	Air	<b>Analytical Method:</b>	ETO15	<b>Analyzed Date:</b>	06/26/16	<b>Analytical Batch:</b>	430682
<b>Units:</b>	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	0.15	0.500	ND	8	91.5	94.8	3.49	65 - 135	30	
Benzene	0.21	0.500	ND	8	92.5	88.1	4.84	65 - 135	30	
Trichloroethylene	0.26	1.00	ND	8	95.0	99.4	4.50	65 - 135	30	
Toluene	0.25	0.500	ND	8	96.1	95.6	0.522	65 - 135	30	
Chlorobenzene	0.15	0.500	ND	8	93.1	93.4	0.268	65 - 135	30	
(S) 4-Bromofluorobenzene			ND	8	100	100		65 - 135		
1,2-Difluoroethane			ND					-		



## Laboratory Qualifiers and Definitions

### DEFINITIONS:

<b>Accuracy/Bias (% Recovery)</b> - The closeness of agreement between an observed value and an accepted reference value.
<b>Blank (Method/Preparation Blank)</b> -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.
<b>Duplicate</b> - 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)
<b>Laboratory Control Sample (LCS ad LCSD)</b> - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
<b>Matrix</b> - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
<b>Matrix Spike (MS/MSD)</b> - 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.
<b>Method Detection Limit (MDL)</b> - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
<b>Practical Quantitation Limit (PQL)</b> - 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 reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
<b>Precision (%RPD)</b> - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
<b>Surrogate (S) or (Surr)</b> - 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
<b>Tentatively Identified Compound (TIC)</b> - 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.
<b>Units:</b> the unit of measure used to express the reported result - <b>mg/L</b> and <b>mg/Kg</b> (equivalent to PPM - parts per million in <b>liquid</b> and <b>solid</b> ), <b>ug/L</b> and <b>ug/Kg</b> (equivalent to PPB - parts per billion in <b>liquid</b> and <b>solid</b> ), <b>ug/m<sup>3</sup></b> , <b>mg.m<sup>3</sup></b> , <b>ppbv</b> and <b>ppmv</b> (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), <b>ug/Wipe</b> ( concentration found on the surface of a single Wipe usually taken over a 100cm <sup>2</sup> surface)

### LABORATORY QUALIFIERS:

<p><b>B</b> - Indicates when the analyte is found in the associated method or preparation blank</p> <p><b>D</b> - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p><b>E</b> - 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><b>H</b>- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p><b>J</b>- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p><b>NA</b> - Not Analyzed</p> <p><b>N/A</b> - Not Applicable</p> <p><b>NR</b> - 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><b>R</b>- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p><b>S</b>- 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><b>X</b> -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>
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## Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Date and Time Received: 6/24/2016 15:12

Project Name: Bockman Road Property

Received By: ke

Work Order No.: 1606160

Physically Logged By: Idi

Checklist Completed By: Idi

Carrier Name: FedEx

### Chain of Custody (COC) Information

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

### Sample Receipt Information

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

### Sample Preservation and Hold Time (HT) Information

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





# Rush Turnaround Services REQUEST FORM



Date | 6/24/16  
 Company | Engeo  
 Ordered By | Divya Bhargava  
 Email | \_\_\_\_\_  
 (for Rush report)

Confirmation Number | \_\_\_\_\_

**For Torrent Lab Use Only**

Project Name | \_\_\_\_\_  
 Project Number | \_\_\_\_\_  
 Order ID | 1606160  
 Order Taken By | \_\_\_\_\_  
 Accounting | \_\_\_\_\_

**Project Details**

TAT Requested  
 (please check one)

- Same Day (2-8 Hours)    
  One Day  Noon    
  2 Day  Noon    
  3 Day  Noon    
  4 Day  Noon

Number of Samples | 6

Matrix | Air  
 (i.e., sample type: Is your sample soil, water, etc?)

Analysis | TO15

Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service. Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a \$250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a \$150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	-	200%	100%	62.5%	50%
Weekend	300%	300%	-	-	-

\*business day(s)



Engeo (San Ramon)  
2010 Crow Canyon Place, #250  
San Ramon, California 94583  
Tel: (925) 866-9000  
Fax: (925) 866-0199  
RE: 1233 Bockman Road San Leandro

Work Order No.: 1607029

Dear Divya Bhargava:

Torrent Laboratory, Inc. received 4 sample(s) on July 15, 2016 for the analyses presented in the following Report.

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

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

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

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Patti L Sandroock  
QA Officer

July 20, 2016

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Date





**Date:** 7/20/2016

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**Client:** Engeo (San Ramon)

**Project:** 1233 Bockman Road San Leandro

**Work Order:** 1607029

### **CASE NARRATIVE**

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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 Analytical, Inc.



### Sample Result Summary

Report prepared for: Divya Bhargava  
Engeo (San Ramon)

Date Received: 07/15/16

Date Reported: 07/20/16

**GW-1**

1607029-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Benzene	SW8260B	1.4	0.22	0.70	0.41	ug/L
1,2-Dichloroethane	SW8260B	1.4	0.15	0.70	0.15	ug/L
Tetrachloroethylene	SW8260B	1.4	0.33	0.70	0.62	ug/L

**GW-2**

1607029-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
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All compounds were non-detectable for this sample.

**GW-3**

1607029-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1.14	33	57	53.2	ug/L
1,1-Dichloropropene	SW8260B	1.14	0.21	0.57	0.50	ug/L
1,2-Dichloroethane	SW8260B	1.14	0.12	0.57	0.13	ug/L

**GW-4**

1607029-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
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All compounds were non-detectable for this sample.



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-1	<b>Lab Sample ID:</b>	1607029-001A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 9:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16 4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1.4	0.37	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Chloromethane	SW8260B	1.4	0.23	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Vinyl Chloride	SW8260B	1.4	0.29	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Bromomethane	SW8260B	1.4	0.30	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Chloroethane	SW8260B	1.4	0.16	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Trichlorofluoromethane	SW8260B	1.4	0.26	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,1-Dichloroethene	SW8260B	1.4	0.20	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Freon 113	SW8260B	1.4	0.48	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Methylene Chloride	SW8260B	1.4	0.18	0.70	ND		ug/L	07/19/16	17:12	BP	418851
trans-1,2-Dichloroethene	SW8260B	1.4	0.23	0.70	ND		ug/L	07/19/16	17:12	BP	418851
MTBE	SW8260B	1.4	0.11	0.70	ND		ug/L	07/19/16	17:12	BP	418851
tert-Butanol	SW8260B	1.4	10	14	ND		ug/L	07/19/16	17:12	BP	418851
Diisopropyl ether (DIPE)	SW8260B	1.4	0.17	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,1-Dichloroethane	SW8260B	1.4	0.17	0.70	ND		ug/L	07/19/16	17:12	BP	418851
ETBE	SW8260B	1.4	0.090	0.70	ND		ug/L	07/19/16	17:12	BP	418851
cis-1,2-Dichloroethene	SW8260B	1.4	0.21	0.70	ND		ug/L	07/19/16	17:12	BP	418851
2,2-Dichloropropane	SW8260B	1.4	0.13	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Bromochloromethane	SW8260B	1.4	0.21	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Chloroform	SW8260B	1.4	0.17	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Carbon Tetrachloride	SW8260B	1.4	0.22	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,1,1-Trichloroethane	SW8260B	1.4	0.23	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,1-Dichloropropene	SW8260B	1.4	0.26	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Benzene	SW8260B	1.4	0.22	0.70	<b>0.41</b>	J	ug/L	07/19/16	17:12	BP	418851
TAME	SW8260B	1.4	0.10	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dichloroethane	SW8260B	1.4	0.15	0.70	<b>0.15</b>	J	ug/L	07/19/16	17:12	BP	418851
Trichloroethylene	SW8260B	1.4	0.20	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Dibromomethane	SW8260B	1.4	0.15	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dichloropropane	SW8260B	1.4	0.12	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Bromodichloromethane	SW8260B	1.4	0.11	0.70	ND		ug/L	07/19/16	17:12	BP	418851
cis-1,3-Dichloropropene	SW8260B	1.4	0.11	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Toluene	SW8260B	1.4	0.20	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Tetrachloroethylene	SW8260B	1.4	0.33	0.70	<b>0.62</b>	J	ug/L	07/19/16	17:12	BP	418851
trans-1,3-Dichloropropene	SW8260B	1.4	0.30	0.70	ND		ug/L	07/19/16	17:12	BP	418851



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-1	<b>Lab Sample ID:</b>	1607029-001A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 9:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16 4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

1,1,2-Trichloroethane	SW8260B	1.4	0.11	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Dibromochloromethane	SW8260B	1.4	0.25	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,3-Dichloropropane	SW8260B	1.4	0.30	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dibromoethane	SW8260B	1.4	0.11	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Chlorobenzene	SW8260B	1.4	0.23	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Ethyl Benzene	SW8260B	1.4	0.27	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,1,1,2-Tetrachloroethane	SW8260B	1.4	0.12	0.70	ND		ug/L	07/19/16	17:12	BP	418851
m,p-Xylene	SW8260B	1.4	0.55	1.4	ND		ug/L	07/19/16	17:12	BP	418851
o-Xylene	SW8260B	1.4	0.22	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Styrene	SW8260B	1.4	0.15	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Bromoform	SW8260B	1.4	0.11	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Isopropyl Benzene	SW8260B	1.4	0.30	0.70	ND		ug/L	07/19/16	17:12	BP	418851
n-Propylbenzene	SW8260B	1.4	0.41	0.70	ND		ug/L	07/19/16	17:12	BP	418851
Bromobenzene	SW8260B	1.4	0.21	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,1,2,2-Tetrachloroethane	SW8260B	1.4	0.11	0.70	ND		ug/L	07/19/16	17:12	BP	418851
2-Chlorotoluene	SW8260B	1.4	0.35	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,3,5-Trimethylbenzene	SW8260B	1.4	0.34	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,2,3-Trichloropropane	SW8260B	1.4	0.20	0.70	ND		ug/L	07/19/16	17:12	BP	418851
4-Chlorotoluene	SW8260B	1.4	0.30	0.70	ND		ug/L	07/19/16	17:12	BP	418851
tert-Butylbenzene	SW8260B	1.4	0.37	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,2,4-Trimethylbenzene	SW8260B	1.4	0.32	0.70	ND		ug/L	07/19/16	17:12	BP	418851
sec-Butyl Benzene	SW8260B	1.4	0.41	0.70	ND		ug/L	07/19/16	17:12	BP	418851
p-Isopropyltoluene	SW8260B	1.4	0.37	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,3-Dichlorobenzene	SW8260B	1.4	0.23	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,4-Dichlorobenzene	SW8260B	1.4	0.25	0.70	ND		ug/L	07/19/16	17:12	BP	418851
n-Butylbenzene	SW8260B	1.4	0.38	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dichlorobenzene	SW8260B	1.4	0.22	0.70	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dibromo-3-Chloropropane	SW8260B	1.4	1.1	2.8	ND		ug/L	07/19/16	17:12	BP	418851
Hexachlorobutadiene	SW8260B	1.4	0.86	2.8	ND		ug/L	07/19/16	17:12	BP	418851
1,2,4-Trichlorobenzene	SW8260B	1.4	1.3	2.8	ND		ug/L	07/19/16	17:12	BP	418851
Naphthalene	SW8260B	1.4	1.7	2.8	ND		ug/L	07/19/16	17:12	BP	418851
1,2,3-Trichlorobenzene	SW8260B	1.4	1.7	2.8	ND		ug/L	07/19/16	17:12	BP	418851
(S) Dibromofluoromethane	SW8260B		61.2 - 131		<b>103</b>		%	07/19/16	17:12	BP	418851



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-1	<b>Lab Sample ID:</b>	1607029-001A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 9:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16	4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

(S) Toluene-d8	SW8260B	75.1 - 127			<b>92.1</b>		%	07/19/16	17:12	BP	418851
(S) 4-Bromofluorobenzene	SW8260B	64.1 - 120			<b>94.3</b>		%	07/19/16	17:12	BP	418851

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

<b>Prep Method:</b> 5030GRO	<b>Prep Batch Date/Time:</b> 7/19/16	5:53:00PM
<b>Prep Batch ID:</b> 1285	<b>Prep Analyst:</b> BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

TPH(Gasoline)	8260TPH	1.4	41	70	ND		ug/L	07/19/16	18:04	BP	418851
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		<b>64.3</b>		ug/L	07/19/16	18:04	BP	418851

**NOTE:** Raised reporting limit - see comment for 8260B analysis.



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-2	<b>Lab Sample ID:</b>	1607029-002A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 10:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16 4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Methylene Chloride	SW8260B	1	0.13	0.50	ND		ug/L	07/19/16	17:10	BP	418851
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
MTBE	SW8260B	1	0.077	0.50	ND		ug/L	07/19/16	17:10	BP	418851
tert-Butanol	SW8260B	1	7.4	10	ND		ug/L	07/19/16	17:10	BP	418851
Diisopropyl ether (DIPE)	SW8260B	1	0.12	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	07/19/16	17:10	BP	418851
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	07/19/16	17:10	BP	418851
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Chloroform	SW8260B	1	0.12	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Benzene	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
TAME	SW8260B	1	0.072	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Trichloroethylene	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	07/19/16	17:10	BP	418851
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Toluene	SW8260B	1	0.14	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Tetrachloroethylene	SW8260B	1	0.24	0.50	ND		ug/L	07/19/16	17:10	BP	418851
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	07/19/16	17:10	BP	418851



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-2	<b>Lab Sample ID:</b>	1607029-002A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 10:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16 4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Ethyl Benzene	SW8260B	1	0.20	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	07/19/16	17:10	BP	418851
m,p-Xylene	SW8260B	1	0.39	1.0	ND		ug/L	07/19/16	17:10	BP	418851
o-Xylene	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Isopropyl Benzene	SW8260B	1	0.22	0.50	ND		ug/L	07/19/16	17:10	BP	418851
n-Propylbenzene	SW8260B	1	0.30	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	07/19/16	17:10	BP	418851
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	07/19/16	17:10	BP	418851
tert-Butylbenzene	SW8260B	1	0.26	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	ND		ug/L	07/19/16	17:10	BP	418851
sec-Butyl Benzene	SW8260B	1	0.30	0.50	ND		ug/L	07/19/16	17:10	BP	418851
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	07/19/16	17:10	BP	418851
n-Butylbenzene	SW8260B	1	0.27	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	07/19/16	17:10	BP	418851
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	07/19/16	17:10	BP	418851
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	07/19/16	17:10	BP	418851
Naphthalene	SW8260B	1	1.2	2.0	ND		ug/L	07/19/16	17:10	BP	418851
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	07/19/16	17:10	BP	418851
(S) Dibromofluoromethane	SW8260B		61.2 - 131		<b>108</b>		%	07/19/16	17:10	BP	418851
(S) Toluene-d8	SW8260B		75.1 - 127		<b>92.3</b>		%	07/19/16	17:10	BP	418851
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		<b>98.9</b>		%	07/19/16	17:10	BP	418851



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-2	<b>Lab Sample ID:</b>	1607029-002A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 10:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030GRO	<b>Prep Batch Date/Time:</b> 7/19/16 5:53:00PM
<b>Prep Batch ID:</b> 1285	<b>Prep Analyst:</b> BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	29	50	ND		ug/L	07/19/16	18:04	BP	418851
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		<b>58.2</b>		ug/L	07/19/16	18:04	BP	418851





## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-3	<b>Lab Sample ID:</b>	1607029-003A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 11:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16 4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

Dichlorodifluoromethane	SW8260B	1.14	0.30	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Chloromethane	SW8260B	1.14	0.19	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Vinyl Chloride	SW8260B	1.14	0.24	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Bromomethane	SW8260B	1.14	0.24	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Chloroethane	SW8260B	1.14	0.13	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Trichlorofluoromethane	SW8260B	1.14	0.21	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,1-Dichloroethene	SW8260B	1.14	0.16	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Freon 113	SW8260B	1.14	0.39	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Methylene Chloride	SW8260B	1.14	0.15	0.57	ND		ug/L	07/19/16	17:12	BP	418851
trans-1,2-Dichloroethene	SW8260B	1.14	0.19	0.57	ND		ug/L	07/19/16	17:12	BP	418851
MTBE	SW8260B	1.14	0.088	0.57	ND		ug/L	07/19/16	17:12	BP	418851
tert-Butanol	SW8260B	1.14	8.4	11	ND		ug/L	07/19/16	17:12	BP	418851
Diisopropyl ether (DIPE)	SW8260B	1.14	0.14	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,1-Dichloroethane	SW8260B	1.14	0.14	0.57	ND		ug/L	07/19/16	17:12	BP	418851
ETBE	SW8260B	1.14	0.073	0.57	ND		ug/L	07/19/16	17:12	BP	418851
cis-1,2-Dichloroethene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/19/16	17:12	BP	418851
2,2-Dichloropropane	SW8260B	1.14	0.11	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Bromochloromethane	SW8260B	1.14	0.17	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Chloroform	SW8260B	1.14	0.14	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Carbon Tetrachloride	SW8260B	1.14	0.18	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,1,1-Trichloroethane	SW8260B	1.14	0.18	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,1-Dichloropropene	SW8260B	1.14	0.21	0.57	<b>0.50</b>	J	ug/L	07/19/16	17:12	BP	418851
Benzene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/19/16	17:12	BP	418851
TAME	SW8260B	1.14	0.082	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dichloroethane	SW8260B	1.14	0.12	0.57	<b>0.13</b>	J	ug/L	07/19/16	17:12	BP	418851
Trichloroethylene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Dibromomethane	SW8260B	1.14	0.12	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dichloropropane	SW8260B	1.14	0.10	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Bromodichloromethane	SW8260B	1.14	0.087	0.57	ND		ug/L	07/19/16	17:12	BP	418851
cis-1,3-Dichloropropene	SW8260B	1.14	0.089	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Toluene	SW8260B	1.14	0.16	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Tetrachloroethylene	SW8260B	1.14	0.27	0.57	ND		ug/L	07/19/16	17:12	BP	418851
trans-1,3-Dichloropropene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/19/16	17:12	BP	418851



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-3	<b>Lab Sample ID:</b>	1607029-003A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 11:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16 4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

1,1,2-Trichloroethane	SW8260B	1.14	0.087	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Dibromochloromethane	SW8260B	1.14	0.21	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,3-Dichloropropane	SW8260B	1.14	0.25	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dibromoethane	SW8260B	1.14	0.090	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Chlorobenzene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Ethyl Benzene	SW8260B	1.14	0.22	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,1,1,2-Tetrachloroethane	SW8260B	1.14	0.099	0.57	ND		ug/L	07/19/16	17:12	BP	418851
m,p-Xylene	SW8260B	1.14	0.45	1.1	ND		ug/L	07/19/16	17:12	BP	418851
o-Xylene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Styrene	SW8260B	1.14	0.12	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Bromoform	SW8260B	1.14	0.087	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Isopropyl Benzene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/19/16	17:12	BP	418851
n-Propylbenzene	SW8260B	1.14	0.34	0.57	ND		ug/L	07/19/16	17:12	BP	418851
Bromobenzene	SW8260B	1.14	0.17	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,1,2,2-Tetrachloroethane	SW8260B	1.14	0.090	0.57	ND		ug/L	07/19/16	17:12	BP	418851
2-Chlorotoluene	SW8260B	1.14	0.29	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,3,5-Trimethylbenzene	SW8260B	1.14	0.28	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,2,3-Trichloropropane	SW8260B	1.14	0.17	0.57	ND		ug/L	07/19/16	17:12	BP	418851
4-Chlorotoluene	SW8260B	1.14	0.25	0.57	ND		ug/L	07/19/16	17:12	BP	418851
tert-Butylbenzene	SW8260B	1.14	0.30	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,2,4-Trimethylbenzene	SW8260B	1.14	0.26	0.57	ND		ug/L	07/19/16	17:12	BP	418851
sec-Butyl Benzene	SW8260B	1.14	0.34	0.57	ND		ug/L	07/19/16	17:12	BP	418851
p-Isopropyltoluene	SW8260B	1.14	0.30	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,3-Dichlorobenzene	SW8260B	1.14	0.19	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,4-Dichlorobenzene	SW8260B	1.14	0.20	0.57	ND		ug/L	07/19/16	17:12	BP	418851
n-Butylbenzene	SW8260B	1.14	0.31	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dichlorobenzene	SW8260B	1.14	0.18	0.57	ND		ug/L	07/19/16	17:12	BP	418851
1,2-Dibromo-3-Chloropropane	SW8260B	1.14	0.87	2.3	ND		ug/L	07/19/16	17:12	BP	418851
Hexachlorobutadiene	SW8260B	1.14	0.70	2.3	ND		ug/L	07/19/16	17:12	BP	418851
1,2,4-Trichlorobenzene	SW8260B	1.14	1.1	2.3	ND		ug/L	07/19/16	17:12	BP	418851
Naphthalene	SW8260B	1.14	1.4	2.3	ND		ug/L	07/19/16	17:12	BP	418851
1,2,3-Trichlorobenzene	SW8260B	1.14	1.4	2.3	ND		ug/L	07/19/16	17:12	BP	418851
(S) Dibromofluoromethane	SW8260B		61.2 - 131		<b>106</b>		%	07/19/16	17:12	BP	418851



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-3	<b>Lab Sample ID:</b>	1607029-003A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 11:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16	4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

(S) Toluene-d8	SW8260B	75.1 - 127			<b>92.2</b>		%	07/19/16	17:12	BP	418851
(S) 4-Bromofluorobenzene	SW8260B	64.1 - 120			<b>98.5</b>		%	07/19/16	17:12	BP	418851

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

<b>Prep Method:</b> 5030GRO	<b>Prep Batch Date/Time:</b> 7/19/16	5:53:00PM
<b>Prep Batch ID:</b> 1285	<b>Prep Analyst:</b> BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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*The results shown below are reported using their MDL.*

TPH(Gasoline)	8260TPH	1.14	33	57	<b>53.2</b>	J	ug/L	07/19/16	18:04	BP	418851
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		<b>105</b>		ug/L	07/19/16	18:04	BP	418851

**NOTE:** Raised reporting limit - see comment for 8260B analysis.



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-4	<b>Lab Sample ID:</b>	1607029-004A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 12:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16 4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Methylene Chloride	SW8260B	1	0.13	0.50	ND		ug/L	07/19/16	17:10	BP	418851
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
MTBE	SW8260B	1	0.077	0.50	ND		ug/L	07/19/16	17:10	BP	418851
tert-Butanol	SW8260B	1	7.4	10	ND		ug/L	07/19/16	17:10	BP	418851
Diisopropyl ether (DIPE)	SW8260B	1	0.12	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	07/19/16	17:10	BP	418851
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	07/19/16	17:10	BP	418851
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Chloroform	SW8260B	1	0.12	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Benzene	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
TAME	SW8260B	1	0.072	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Trichloroethylene	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	07/19/16	17:10	BP	418851
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Toluene	SW8260B	1	0.14	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Tetrachloroethylene	SW8260B	1	0.24	0.50	ND		ug/L	07/19/16	17:10	BP	418851
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	07/19/16	17:10	BP	418851



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-4	<b>Lab Sample ID:</b>	1607029-004A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 12:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030VOC	<b>Prep Batch Date/Time:</b> 7/19/16	4:00:00PM
<b>Prep Batch ID:</b> 1280	<b>Prep Analyst:</b> BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Ethyl Benzene	SW8260B	1	0.20	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	07/19/16	17:10	BP	418851
m,p-Xylene	SW8260B	1	0.39	1.0	ND		ug/L	07/19/16	17:10	BP	418851
o-Xylene	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Isopropyl Benzene	SW8260B	1	0.22	0.50	ND		ug/L	07/19/16	17:10	BP	418851
n-Propylbenzene	SW8260B	1	0.30	0.50	ND		ug/L	07/19/16	17:10	BP	418851
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	07/19/16	17:10	BP	418851
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	07/19/16	17:10	BP	418851
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	07/19/16	17:10	BP	418851
tert-Butylbenzene	SW8260B	1	0.26	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	ND		ug/L	07/19/16	17:10	BP	418851
sec-Butyl Benzene	SW8260B	1	0.30	0.50	ND		ug/L	07/19/16	17:10	BP	418851
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	07/19/16	17:10	BP	418851
n-Butylbenzene	SW8260B	1	0.27	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	07/19/16	17:10	BP	418851
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	07/19/16	17:10	BP	418851
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	07/19/16	17:10	BP	418851
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	07/19/16	17:10	BP	418851
Naphthalene	SW8260B	1	1.2	2.0	ND		ug/L	07/19/16	17:10	BP	418851
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	07/19/16	17:10	BP	418851
(S) Dibromofluoromethane	SW8260B		61.2 - 131		<b>96.8</b>		%	07/19/16	17:10	BP	418851
(S) Toluene-d8	SW8260B		75.1 - 127		<b>93.1</b>		%	07/19/16	17:10	BP	418851
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		<b>96.3</b>		%	07/19/16	17:10	BP	418851



## SAMPLE RESULTS

**Report prepared for:** Divya Bhargava  
 Engeo (San Ramon)

**Date/Time Received:** 07/15/16, 4:10 pm  
**Date Reported:** 07/20/16

<b>Client Sample ID:</b>	GW-4	<b>Lab Sample ID:</b>	1607029-004A
<b>Project Name/Location:</b>	1233 Bockman Road San Leandro	<b>Sample Matrix:</b>	Groundwater
<b>Project Number:</b>	12181.000.000		
<b>Date/Time Sampled:</b>	07/15/16 / 12:00		
<b>SDG:</b>			

<b>Prep Method:</b> 5030GRO	<b>Prep Batch Date/Time:</b> 7/19/16	5:53:00PM
<b>Prep Batch ID:</b> 1285	<b>Prep Analyst:</b>	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	29	50	ND		ug/L	07/19/16	18:04	BP	418851
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		<b>106</b>		ug/L	07/19/16	18:04	BP	418851



## MB Summary Report

<b>Work Order:</b> 1607029	<b>Prep Method:</b> 5030VOC	<b>Prep Date:</b> 07/19/16	<b>Prep Batch:</b> 1280
<b>Matrix:</b> Water	<b>Analytical Method:</b> SW8260B	<b>Analyzed Date:</b> 7/19/2016	<b>Analytical Batch:</b> 418851
<b>Units:</b> ug/L			

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	0.50	ND	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	7.4	10	ND	
Diisopropyl ether (DIPE)	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	
Chloroform	0.12	0.50	ND	
Carbon Tetrachloride	0.16	0.50	ND	
1,1,1-Trichloroethane	0.16	0.50	ND	
1,1-Dichloropropene	0.19	0.50	ND	
Benzene	0.16	0.50	ND	
TAME	0.072	0.50	ND	
1,2-Dichloroethane	0.11	0.50	0.13	J
Trichloroethylene	0.15	0.50	ND	
Dibromomethane	0.11	0.50	ND	
1,2-Dichloropropane	0.089	0.50	ND	
Bromodichloromethane	0.076	0.50	ND	
cis-1,3-Dichloropropene	0.078	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.24	0.50	ND	
trans-1,3-Dichloropropene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.076	0.50	ND	
Dibromochloromethane	0.18	0.50	ND	
1,3-Dichloropropane	0.22	0.50	ND	
1,2-Dibromoethane	0.079	0.50	ND	
Chlorobenzene	0.16	0.50	ND	
Ethyl Benzene	0.20	0.50	ND	
1,1,1,2-Tetrachloroethane	0.087	0.50	ND	
m,p-Xylene	0.39	1.0	ND	



### MB Summary Report

<b>Work Order:</b>	1607029	<b>Prep Method:</b>	5030VOC	<b>Prep Date:</b>	07/19/16	<b>Prep Batch:</b>	1280
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	7/19/2016	<b>Analytical Batch:</b>	418851
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	0.15	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	0.080	J
Isopropyl Benzene	0.22	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.079	0.50	ND	
2-Chlorotoluene	0.25	0.50	ND	
1,3,5-Trimethylbenzene	0.24	0.50	ND	
1,2,3-Trichloropropane	0.15	0.50	ND	
4-Chlorotoluene	0.22	0.50	ND	
tert-Butylbenzene	0.26	0.50	ND	
1,2,4-Trimethylbenzene	0.23	0.50	ND	
sec-Butyl Benzene	0.30	0.50	ND	
p-Isopropyltoluene	0.27	0.50	ND	
1,3-Dichlorobenzene	0.17	0.50	ND	
1,4-Dichlorobenzene	0.18	0.50	ND	
n-Butylbenzene	0.27	0.50	ND	
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			96.6	
(S) Toluene-d8			94.7	
(S) 4-Bromofluorobenzene			98.9	

<b>Work Order:</b>	1607029	<b>Prep Method:</b>	5030GRO	<b>Prep Date:</b>	07/19/16	<b>Prep Batch:</b>	1285
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	7/19/2016	<b>Analytical Batch:</b>	418851
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	29	50	31	J
(S) 4-Bromofluorobenzene			78.2	





## LCS/LCSD Summary Report

*Raw values are used in quality control assessment.*

<b>Work Order:</b>	1607029	<b>Prep Method:</b>	5030VOC	<b>Prep Date:</b>	07/19/16	<b>Prep Batch:</b>	1280
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	7/19/2016	<b>Analytical Batch:</b>	418851
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	78.7	80.1	1.41	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	101	105	3.79	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	95.0	99.2	4.03	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	101	105	3.26	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	100	104	3.30	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	97.5	101		61.2 - 131		
(S) Toluene-d8				17.9	91.8	95.4		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	92.9	99.6		64.1 - 120		

<b>Work Order:</b>	1607029	<b>Prep Method:</b>	5030GRO	<b>Prep Date:</b>	07/19/16	<b>Prep Batch:</b>	1285
<b>Matrix:</b>	Water	<b>Analytical Method:</b>	SW8260B	<b>Analyzed Date:</b>	7/19/2016	<b>Analytical Batch:</b>	418851
<b>Units:</b>	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	29	50	31	238	90.5	103	13.0	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	103	81.6		41.5 - 125		



## Laboratory Qualifiers and Definitions

### DEFINITIONS:

<b>Accuracy/Bias (% Recovery)</b> - The closeness of agreement between an observed value and an accepted reference value.
<b>Blank (Method/Preparation Blank)</b> -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.
<b>Duplicate</b> - 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)
<b>Laboratory Control Sample (LCS ad LCSD)</b> - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
<b>Matrix</b> - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
<b>Matrix Spike (MS/MSD)</b> - 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.
<b>Method Detection Limit (MDL)</b> - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
<b>Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ)</b> - 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.
<b>Precision (%RPD)</b> - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
<b>Surrogate (S) or (Surr)</b> - 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
<b>Tentatively Identified Compound (TIC)</b> - 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.
<b>Units:</b> the unit of measure used to express the reported result - <b>mg/L</b> and <b>mg/Kg</b> (equivalent to PPM - parts per million in <b>liquid</b> and <b>solid</b> ), <b>ug/L</b> and <b>ug/Kg</b> (equivalent to PPB - parts per billion in <b>liquid</b> and <b>solid</b> ), <b>ug/m3</b> , <b>mg/m3</b> , <b>ppbv</b> and <b>ppmv</b> (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), <b>ug/Wipe</b> (concentration found on the surface of a single Wipe usually taken over a 100cm <sup>2</sup> surface)

### LABORATORY QUALIFIERS:

<p><b>B</b> - Indicates when the analyte is found in the associated method or preparation blank</p> <p><b>D</b> - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p><b>E</b> - 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><b>H</b>- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p><b>J</b>- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p><b>NA</b> - Not Analyzed</p> <p><b>N/A</b> - Not Applicable</p> <p><b>ND</b> - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p><b>NR</b> - 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><b>R</b>- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p><b>S</b>- 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><b>X</b> -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>
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## Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Date and Time Received: 7/15/2016 4:10:00PM

Project Name: 1233 Bockman Road San Leandro

Received By: bj

Work Order No.: 1607029

Physically Logged By: Lorna Imbat

Checklist Completed By:

Carrier Name: Client Drop Off

### Chain of Custody (COC) Information

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

### Sample Receipt Information

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

### Sample Preservation and Hold Time (HT) Information

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

### Comments:

Recv'd sample w/ big bubbles



## Login Summary Report

**Client ID:** TL5123      Engeo (San Ramon)  
**Project Name:** 1233 Bockman Road San Leandro  
**Project # :** 12181.000.000  
**Report Due Date:** 7/20/2016

**QC Level:** II  
**TAT Requested:** 3 Day Std  
**Date Received:** 7/15/2016  
**Time Received:** 4:10 pm

**Comments:**

**Work Order # :** 1607029

<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>
1607029-001A	GW-1	07/15/16 9:00	Water	08/29/16			VOC_W_8260B VOC_W_GRO	
1607029-002A	GW-2	07/15/16 10:00	Water	08/29/16			VOC_W_GRO VOC_W_8260B	
1607029-003A	GW-3	07/15/16 11:00	Water	08/29/16			VOC_W_8260B VOC_W_GRO	
1607029-004A	GW-4	07/15/16 12:00	Water	08/29/16			VOC_W_GRO VOC_W_8260B	



**CHAIN OF CUSTODY RECORD**

1607029 VLS

PROJECT NUMBER 12181.000.000		PROJECT NAME 1233 Bodenman Road, San Lorenzo						
SAMPLED BY: (SIGNATURE/PRINT) Lauren Gordon		PROJECT MANAGER (SIGNATURE/PRINT) Danya						
ROUTING: E-MAIL dhringave@enggeo.com		HARD COPY						
SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	TPH-g and VOCs (EPA 8260)	REMARKS REQUIRED DETECTION LIMITS
GM-1	7/15/2016	0900	GW	3	VOA	HCl	X	
GM-2	7/15/2016	1000	GW	3	VOA	HCl	X	
GM-3	7/15/2016	1100	GW	3	VOA	HCl	X	
GM-4	7/15/2016	1200	GW	3	VOA	HCl	X	

RECEIVED BY (SIGNATURE) 	DATE/TIME 07/15/16 1510	RECEIVED FOR LABORATORY BY (SIGNATURE) 	RECEIVED BY (SIGNATURE) 	DATE/TIME 7/15/16 1510	RECEIVED FOR LABORATORY BY (SIGNATURE) 	RECEIVED BY (SIGNATURE) 	RECEIVED BY (SIGNATURE) 	REMARKS Standard turnaround
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**ENGEO**  
INCORPORATED

2010 CROW CANYON PLACE SUITE 250  
SAN RAMON, CALIFORNIA 94583  
(925) 866-9000 FAX (925) 866-0199  
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT COPY TO PROJECT FIELD FILES

**APPENDIX B**

**Boring Logs**

12181.000.000  
July 2, 2015  
Revised August 2, 2016



# LOG OF BORING GW-1

1233 Bockman Ave  
San Lorenzo, California  
12181.000.000

DATE DRILLED: 7/15/2016  
HOLE DEPTH: Approx. 17 ft.  
HOLE DIAMETER: 2.0 in.  
SURF ELEV (NAVD88): Approx. 13 ft.

LOGGED / REVIEWED BY: L. Gordon / SM  
DRILLING CONTRACTOR: Gregg Drilling & Testing  
DRILLING METHOD: Direct Push  
HAMMER TYPE: N/A

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx	Well Construction
			SILTY SAND (SM), reddish brown to yellowish brown, medium dense, moist [FILL]							
			SILTY CLAY (CL), dark gray to black, medium stiff, moist, medium plasticity, with carbonate nodules							
1										
5			CLAY (CL), gray, stiff, moist, with carbonate nodules and some silt and fine sand							
2			Transitioned to dark yellowish brown with higher silt content.							
			SILTY SAND (SM), dark yellowish brown, soft, wet, poorly graded, with silt							
10			CLAY (CH), dark olive brown, very stiff, moist, high plasticity, increasingly softer to 10.5' bgs.							
3			SILTY CLAY (CL), pale olive to dark olive brown, very stiff, moist, iron oxide staining, some silt and sand							
			CLAY (CL-CH), pale olive to yellowish brown, hard to medium stiff, moist, medium plasticity, some silt and fine sand lenses							
4										
15			SILTY SAND (SM), dark yellowish brown, very soft, wet, poorly graded							
			CLAY (CH), dark yellowish brown, hard to very soft, moist, high plasticity							
5			SILTY SAND (SM), dark yellowish brown, medium dense, moist, medium plasticity, with fine to medium gravels							
			End of borehole at 17' below ground surface (bgs), encountered groundwater at 14.5' bgs.							



# LOG OF BORING GW-2

1233 Bockman Ave  
San Lorenzo, California  
12181.000.000

DATE DRILLED: 7/15/2016  
HOLE DEPTH: Approx. 16 ft.  
HOLE DIAMETER: 2.0 in.  
SURF ELEV (NAVD88): Approx. 15 ft.

LOGGED / REVIEWED BY: L. Gordon / SM  
DRILLING CONTRACTOR: Gregg Drilling & Testing  
DRILLING METHOD: Direct Push  
HAMMER TYPE: N/A

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx	Well Construction
			SILTY SAND (SM), yellowish brown, medium dense, moist [FILL]							
			SILTY CLAY (CL), dark gray, very stiff, moist, strong hydrocarbon odor, carbonate nodules							
1										
5			SANDY SILT (ML), dark yellowish brown, very soft, moist, low plasticity, with fine grained sand and silt							
2			SAND (SM), yellowish brown, medium dense, wet, subrounded, poorly graded, fine to medium grained, with some silt							
			SILT (ML), dark yellowish brown, very soft, moist, low plasticity, some fine sand Transitioned to dark brown in color							
10			CLAY (CH), dark yellowish brown, medium stiff to stiff, moist, high plasticity							
			SILT (MH), dark yellowish brown, very stiff, moist, iron oxide staining							
			SANDY SILT (ML), dark yellowish brown, very soft, wet, low plasticity, some fine to medium grained sand							
4			Transitioned to lower sand content and very soft consistency							
15			Transitioned to no sand content, very stiff, moist silt.							
			End of borehole at 16' below ground surface (bgs). Encountered groundwater at 16' bgs.							





# LOG OF BORING GW-3

1233 Bockman Ave  
San Lorenzo, California  
12181.000.000

DATE DRILLED: 7/15/2016  
HOLE DEPTH: Approx. 20 ft.  
HOLE DIAMETER: 2.0 in.  
SURF ELEV (NAVD88): Approx. 15 ft.

LOGGED / REVIEWED BY: L. Gordon / SM  
DRILLING CONTRACTOR: Gregg Drilling & Testing  
DRILLING METHOD: Direct Push  
HAMMER TYPE: N/A

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx	Well Construction
			SILTY SAND (SM), light yellowish gray, medium dense, dry [FILL]							
			CLAY (CH), black, very stiff, moist, organic odor, some fine sand							
			Increased sand content at 2.5' bgs.							
1										
			CLAY (CL), grayish brown to olive brown, hard, dry, medium plasticity, some silt and fine sand							
5										
			SILT (MH), dark yellowish brown, medium stiff to very soft, moist, medium plasticity							
2										
			CLAY (CL), dark yellowish brown to dark olive brown, very stiff, moist, some silt							
10										
			Increased silt content, very stiff, change in color to dark yellowish brown.							
4			CLAYEY SILT (MH), dark yellowish brown, stiff to very soft, moist, medium plasticity							
15										
			SILT (ML), dark yellowish brown, medium stiff to very soft, moist to wet, medium plasticity							
5										
			CLAY at 20' bgs. Yellowish brown to dark brown, very stiff, highly plastic.							
20										

LOG - GEOTECHNICAL + WELL BOCKMAN.GPJ ENGE O INC.GDT 7/22/16



# LOG OF BORING GW-3

1233 Bockman Ave  
San Lorenzo, California  
12181.000.000

DATE DRILLED: 7/15/2016  
HOLE DEPTH: Approx. 20 ft.  
HOLE DIAMETER: 2.0 in.  
SURF ELEV (NAVD88): Approx. 15 ft.

LOGGED / REVIEWED BY: L. Gordon / SM  
DRILLING CONTRACTOR: Gregg Drilling & Testing  
DRILLING METHOD: Direct Push  
HAMMER TYPE: N/A

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx	Well Construction
			End of borehole at 20' below ground surface (bgs). Groundwater encountered at 16' bgs.							



# LOG OF BORING GW-4

1233 Bockman Ave  
San Lorenzo, California  
12181.000.000

DATE DRILLED: 7/15/2016  
HOLE DEPTH: Approx. 16 ft.  
HOLE DIAMETER: 2.0 in.  
SURF ELEV (NAVD88): Approx. 15 ft.

LOGGED / REVIEWED BY: L. Gordon / SM  
DRILLING CONTRACTOR: Gregg Drilling & Testing  
DRILLING METHOD: Direct Push  
HAMMER TYPE: N/A

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx	Well Construction
			SILTY SAND (SM), dark yellowish brown, dry to moist [FILL]							
			CLAY (CH), dark brown to black, medium stiff, moist, high plasticity, organic odor, some fine sand							
1			Transitioned to pale olive to black, sandy clay with fine sand.							
5										
			SILTY CLAY (CL), pale olive to dark yellowish brown, very stiff to medium stiff, moist, medium plasticity, some carbonate nodules, manganese and iron oxide staining							
2										
			SILT (ML), pale olive, medium stiff, moist, medium plasticity, iron oxide staining							
			SAND (SM), dark yellowish brown, medium dense, wet, poorly graded, some silt.							
10			CLAY (CH), dark brown to pale olive, very stiff, moist, some silt, medium to high plasticity							
			SAND (SM), dark yellowish brown to dark brown, moist to wet, interbedded layers of silt and fine sand, silt has medium plasticity							
4										
			CLAYEY SILT (MH), dark yellowish brown, moist to dry, low plasticity							
15										
			End of borehole at 16' below ground surface (bgs). Groundwater encountered at 12' bgs.							

LOG - GEOTECHNICAL + WELL BOCKMAN.GPJ ENGEO INC.GDT 7/22/16