

DRAFT

OYSTER COVE
300-310 D STREET
PETALUMA, CALIFORNIA

SITE REMEDIATION PLAN

SUBMITTED TO
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PROJECT NO.
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EXECUTIVE SUMMARY

This Site Remediation Plan (SRP) was prepared for the property located at 300-310 D Street in Petaluma, California (Property). The Property is approximately 10.5 acres in area and is identified as Assessor's Parcel Numbers (APNs) 007-700-003, 007-700-005, and 007-700-006. The Property, located along the southeastern edge of D Street and bisected by Copeland Street, is currently occupied by several commercial structures, paved surfaces, and vegetation. A manmade inlet, which connects to the Petaluma River, is located on the southern edge of the Property. The primary purpose of the SRP is to present the remedial measures to mitigate impacted soil and allow for future residential rezoning of a portion of the Property, and subsequent residential development.

Historical records indicate that the Property has been used for various purposes including freight and warehousing operations in the early 1900s and later commercial uses, including housing poultry feed, electrical equipment, a dredging company, and an oyster company. More recently, the Property has been used for maritime activities including the use of tugboats and smaller vessels.

The northern parcel of the Property has a building that is currently used as the main office for a marine shipping and transport company. This parcel also has an attached parking area with minor vegetation. A portion of this parcel at the northwestern edge has railroad tracks extending through the parcel. The southern parcel of the Property has two buildings that are used for storage. In addition, there is a large, corrugated metal building that was previously used as an oyster shelling factory. There is also an attached dock on the Petaluma River on this parcel. The David Yearsley River Heritage Center is located at the back of this parcel, near the two storage buildings.

Behind the northern parcel of the Property lies a small parking lot and rest area, with benches, tables, and a short trail that extends alongside the Petaluma River. An auto shop and two vacant lots are situated on adjacent parcels north of this parcel. The southern parcel is bordered by the Petaluma River to the east and south, and East D Street to the west.

ENGEO completed a phase I environmental site assessment (ESA) for the Property in November 2018. The ESA identified no Recognized Environmental Conditions (RECs) associated with the Property, but it did identify the following features of environmental concern.

- Given the former and current rail lines that exist within the Property, there may exist the potential for residual metals and polyaromatic hydrocarbons (PAHs) to exist within near-surface soil or ballast materials.
- The Property has existed as a light industrial business operation since the early 1900s, with some hazardous substances use/storage, specifically diesel fuel. As such, there is the potential for residual hydrocarbons impacts.
- Given the age of the existing structures, there is the potential for lead-based paint and asbestos-containing materials within the building. We recommend a lead and asbestos survey be completed by a certified professional.

ENGEO recommended a phase II ESA to investigate the former rail tracks within the Property, in addition to potential residual soil impacts due to historical operations within the Property.

ENGEO completed Phase II ESA field exploration activities in May of 2021. Portions of the soil and soil gas at the Property exhibited detectable concentrations of target analytes due to historical

industrial activities. Reported concentrations of detected analytes in groundwater do not exceed Regional Water Quality Control Board, Environmental Screening Levels (RWQCB ESLs) for Maximum Concentration Limit (MCL) priority.

Based on review of the laboratory analytical reports, the shallow surface soil within portions of the Site exhibited lead and semi-volatile organic compound (SVOC) concentrations exceeding Department of Toxic Substance Control residential soil screening levels (DTSC-SLs). Elevated lead concentrations were identified along the northern property boundary at sample locations S9, S10, S11, and S12. A slightly elevated lead concentration was also identified in the southeast portion of the Site at sample location S3. Elevated SVOC concentrations (benzo[a]pyrene and benzo[a]anthracene) were identified along the northern property boundary at sample locations S10, S15, S16, and S17. The reported concentrations of lead and SVOCs within portions of the Site represent an elevated risk to future residential users of the site and will require remediation during site development activity.

Detectable concentrations of volatile organic compounds (VOCs), specifically trichloroethylene (TCE) and benzene were reported in soil vapor samples collected at the Site. However, upon evaluation of the VOC concentrations, TCE and benzene do not represent an elevated risk to current site users, off-site receptors, or future residential users at the Site.

ENGEO prepared an Environmental Summary Letter dated September 2, 2022, revised September 7, 2022. The letter acknowledges the identified soil and soil vapor impact and contemplates the potential need for remedial activity prior to the construction of residential structures at the Site.

The site remediation objective (SRO) is to reduce the human health risks associated with the compounds of potential concern (COPCs) in Site soil to a level that is acceptable for future unrestricted residential development. Based on the SRO, the cleanup levels have been established that are protective of human health and the environment and reduce the potential for exposure to the COPCs in soil encountered at the Site. The established cleanup level is based on DTSC residential soil screening levels.

The remedial approach for the Site is excavation of COPC impacted soil. Excavated soil will be stockpiled and characterized to determine appropriate management. This approach includes the following.

- Excavation of lead- and SVOC-impacted soil.
- Stockpiling of the excavated soil for profiling.
- Appropriate soil management, handling, and/or transport based on laboratory analytical results of stockpile samples.
- Collection of confirmation soil samples across the excavation areas and excavation sidewalls to verify the removal of COPC-impacted soil.
 - Confirmation samples will delineate the area of impacted soil. Excavation activities will continue until the confirmation sample results meet the project SRO.

This document details past investigations and details regarding the proposed remedial plan. The SRP also includes details regarding implementation of the SRP, including sampling protocols, dust control measures, and a site-specific health and safety plan. Implementation of this SRP will mitigate health-based risks associated with the noted COPCs in near-surface soil and allow for future residential development of the Site.

1.0 INTRODUCTION

This Site Remediation Plan (SRP) was prepared for the property located at 300-310 D Street in Petaluma, California (Property). The Property is approximately 10.5 acres in area and is identified as Assessor's Parcel Numbers (APNs) 007-700-003, 007-700-005, and 007-700-006. The Property, located along the southeastern edge of D Street and bisected by Copeland Street, is currently occupied by several commercial structures, paved surfaces, and vegetation. A manmade inlet, which connects to Petaluma River, is located on the southern edge of the Property. The primary purpose of the SRP is to present the remedial measures to mitigate impacted soil and allow for future residential rezoning of a portion of the Property and subsequent residential development.

1.1.1 Objectives of the SRP

The objectives of this SRP are to:

- Present and evaluate existing site conditions.
- Establish soil cleanup levels for protection of human health and the environment.
- Present recommendations for remedial action at the Site that is protective of human health and the environment.

1.1.2 Elements of the SRP

To accomplish the objectives stated in the preceding section, this SRP includes the following elements.

- A description of the nature and extent of the COPCs at the Site.
- The goals and soil cleanup levels to be achieved by the removal action.
- A description of the remedial approach and preparation of an implementation plan.

1.2 SITE DESCRIPTION

The Property is approximately 10.5 acres in area and is identified as Assessor's Parcel Numbers (APNs) 007-700-003, 007-700-005, and 007-700-006. The Property, located along the southeastern edge of D Street and bisected by Copeland Street, is currently occupied by several commercial structures, paved surfaces, and vegetation. A manmade inlet, which connects to the Petaluma River, is located on the southern edge of the Property. Rail tracks and Lakeville Street border the northern edge with a spur of the tracks encroaching through the northern portion of the Property.

1.2.1 Current and Historic Land Use

Historical records indicate that the Property has been used for various purposes including freight and warehousing operations in the early 1900s and later commercial uses, including housing poultry feed, electrical equipment, a dredging company, and an oyster company. More recently, the Property has been used for maritime activities, including the use of tugboats and smaller vessels.

The northern parcel of the Property has a building that is currently used as the main office for a marine shipping and transport company. This parcel also has an attached parking area with minor vegetation. A portion of this parcel at the northwestern edge has railroad tracks extending through the parcel. The southern parcel of the Property has two buildings that are used for storage. In addition, there is a large, corrugated metal building that was previously used as an oyster shelling factory. There is also an attached dock on the Petaluma River on this parcel. The David Yearsley River Heritage Center is located at the back of this parcel, near the two storage buildings.

Behind the northern parcel of the Property lies a small parking lot and rest area, with benches, tables, and a short trail that extends alongside the Petaluma River. Along the northern boundary of this parcel is an auto shop and two vacant lots. The southern parcel is bordered by the Petaluma River to the east and south, and East D Street to the west.

1.2.2 Proposed Development

The proposed development of the Site includes a residential community consisting of townhomes and mixed-use structures. In addition to the above-mentioned improvements, we anticipate the development will include minor ancillary structures, street and sidewalk paving, underground utilities, retaining structures, possible shoreline stabilization, and landscaping. Conceptual grading plans prepared by CBG Civil Engineers, dated August 31, 2020, show various thicknesses of proposed fill across the site totaling approximately 4,000 cubic yards in volume to achieve a design elevation of approximately 13 feet above mean sea level.

2.0 SITE CHARACTERIZATION

2.1 PREVIOUS INVESTIGATIONS

ENGEO: Phase I Environmental Site Assessment, D-Street, Petaluma, California;
November 20, 2018; ENGEO Project No. 15571.000.000.

ENGEO completed a Phase I Environmental Site Assessment (ESA) for the Property in November 2018. The ESA identified no Recognized Environmental Conditions (RECs) associated with the Property, but it did identify the following features of environmental concern.

- Given the former and current rail lines that exist within the Property, there may exist the potential for residual metals and polyaromatic hydrocarbons (PAHs) to exist within near-surface soil or ballast materials.
- The Property has existed as a light industrial business operation since the early 1900s, with some hazardous substances use/storage, specifically diesel fuel. As such, there is the potential for residual hydrocarbons impacts.
- Given the age of the existing structures, there is the potential for lead-based paint and asbestos-containing materials within the building. We recommend a lead and asbestos survey be completed by a certified professional.

ENGEO recommended a Phase II ESA to investigate the former rail tracks within the Property, in addition to potential residual soil impacts due to historical operations within the Property.

ENGEO: Environmental Summary Letter, East D-Street, Petaluma, California;
September 2, 2022; Revised September 7, 2022; ENGEO Project No. 15571.001.000.

ENGEO completed the field exploration associated with the Phase II ESA in May 2021. The environmental summary letter provided a summary of the scope and laboratory results of the soil, groundwater, and soil vapor sampling conducted at the Site. The following scope was completed during the field exploration activities.

[Railroad Soil Characterization](#)

Hand-sampling techniques were utilized to recover nine near-surface soil samples from along the former railroad spur alignment and the northern property boundary and near the existing rail bed. These samples (S9 – S17), associated with the assessment of potential impact from railroad activity, were analyzed on a discrete basis for the following analytes.

- CAM-17 metals (EPA Method 6020)
- Polyaromatic Hydrocarbons (EPA Method 8270 SIM)
- Total petroleum hydrocarbons as gasoline (TPH-g) (EPA Method 8260)
- Total petroleum hydrocarbons as diesel and motor oil (TPH-d/mo) (EPA Method 8015)

[Light Industrial Use - Soil and Groundwater Characterization](#)

Seven soil borings were advanced to a depth of 3 feet below the ground surface (bgs). Three soil samples were recovered from each of the boring locations at depth intervals of approximately 0 to 6 inches, 12 to 18 inches, and 24 to 36 inches bgs.

Soil samples were retrieved within continuous Geoprobe® acetate core liners. Continuous soil cores from each boring were observed by an ENGEO representative. Specific soil samples were collected for laboratory analysis by cutting 6-inch portions of the Geoprobe soil core liners corresponding to the respective desired sampling depths in each location. New one-time-use acetate sleeves were used at each sampling location to prevent cross contamination. Reusable components of drilling equipment that contacted soil were decontaminated between boring locations with Alconox – non-phosphate detergent and rinsed with water.

The acetate 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 which included a unique sample number, sample location, time/date collected, laboratory analysis, and the sampler's identification. The soil samples were placed in an ice-cooled chest and submitted under documented chain-of-custody to a State-accredited analytical laboratory.

The 0- to 6-inch soil samples recovered from the seven borings associated with the assessment of potential impact from light industrial activity were analyzed on a discrete basis for the following analytes.

- CAM-17 metals (EPA Method 6020)
- Total petroleum hydrocarbons as gasoline (TPH-g) and volatile organic compounds (VOCs) (EPA Method 8260)
- Total petroleum hydrocarbons as diesel and motor oil (TPH-d/mo) (EPA Method 8015)

Three borings were extended to groundwater and grab groundwater samples were collected using a peristaltic pump and dedicated tubing. Groundwater samples were placed into laboratory provided containers and analyzed for the following analytes.

- Total petroleum hydrocarbons as gasoline (TPH-g) and volatile organic compounds (VOCs) (EPA Method 8260)

Light Industrial Use - Soil Gas Characterization

Three temporary soil gas wells were installed throughout the Property on May 20, 2021, to assess the potential impact to soil vapor at the Property due to past light industrial use. The temporary soil gas monitoring wells were installed to a depth of approximately 5½ feet bgs. Soil gas collection points were set at 5 feet bgs at each sample location.

The installation and sampling of the soil gas monitoring wells was performed in accordance with the Department of Toxic Substances Control (DTSC) Final Advisory Active Soil Gas Investigations (July 2015) and the DTSC Draft Supplemental Guidance – Screening and Evaluating Vapor Intrusion (February 2020).

The soil gas monitoring well casings consisted of ¼-inch-diameter Teflon® tubing equipped with a filter at the base of the tubing. The wells were installed with a direct-push probe rig, which advanced an approximately 2.25-inch-diameter boring. The soil gas samples were submitted to a State-certified laboratory for the following analyses.

- Volatile organic compounds (VOCs) (TO-15)
- Fixed gases (ASTM Method D1946)

Analytical Results

Analytical results were compared to the following screening levels.

- Department of Toxic Substances Control (DTSC) HERO HHRA Note 3 Residential Screening Levels (SLs) (June 2020)
- US Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for Residential Soil (May 2021)
- Regional Water Quality Control Board (RWQCB) Residential Environmental Screening Levels (ESLs) (June 2019)

Review of laboratory results identified four surface soil samples (S9 – S12) that exhibited lead concentrations exceeding the established screening level for residential soil. Lead in these samples ranged from 95.3 to 1,230 milligram per kilogram (mg/kg). Additionally, one sample (S16) exhibited concentrations of polycyclic aromatic hydrocarbons (PAHs) exceeding one or more screening levels for residential soil. Further evaluation of the reported concentrations of PAHs in sample S16 indicated that the benzo(a)pyrene equivalency concentration for sample S16 exceeds the typical urban background concentration of 0.9 mg/kg.

Review of laboratory results identified one boring location (S3) that exhibited lead concentrations exceeding one or more screening level for residential soil. Lead was reported at a concentration of 92.5 mg/kg in sample S3 at 12 to 18 inches.

Review of laboratory reports indicates detectable concentrations of benzene in soil gas above the most conservative residential screening levels. Benzene concentrations ranged from 13 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to $22 \mu\text{g}/\text{m}^3$. Additionally, two of the soil gas samples (SV-2 and SV-3) exhibited trichloroethylene (TCE) concentrations exceeding the most conservative residential screening levels. TCE ranged from not detected to $77 \mu\text{g}/\text{m}^3$. Oxygen concentrations were reported in all three soil vapor samples ranging from 9.8 percent to 15 percent.

Groundwater samples did not exhibit concentrations above applicable screening levels.

Refer to Tables A, B, C, and D for a summary of the laboratory results. Refer to Figure 2 for the sample locations. The full laboratory results have been included as Appendix A.

3.0 SCREENING LEVEL BASED HUMAN HEALTH RISK EVALUATION

A screening level based human health risk evaluation was performed for soil vapor at the site. Based on Section 2.5 of DTSC's PEA Guidance Manual, a cumulative cancer risk and a cumulative non-cancer hazard quotient was determined for all soil vapor samples. A screening level based human health risk evaluation was performed for the seven soil samples exhibiting COPC concentrations exceeding established DTSC SLs. DTSC residential soil SLs were used to perform the soil risk evaluation. DTSC residential air SLs with an attenuation factor of 0.001 were used to perform the soil vapor risk evaluation.

3.1 SOIL VAPOR SCREENING LEVELS

Screening levels for chemicals in soil, groundwater, and soil gas are not intended to establish regulations or restrictions on land use, nor to establish any mitigation or remediation requirements, and "the presence of a chemical at concentrations in excess of a screening does not necessarily indicate adverse effects on human health or the environment, rather that additional evaluation is warranted."¹ Health and Safety Code Section 57008(a)(3) of SB 32 states the following.

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

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

¹ San Francisco Bay Regional Water Quality Control Board, User's Guide: Derivation and Application of Environmental Screening Levels (ESLs), Interim Final 2016 Water Board Environmental Screening Levels.

DTSC’s most recent guidance related to site assessments for vapor intrusion concern (2011 Vapor Intrusion Guidance) recommends using default attenuation factors based on six different building scenarios, which can be applied for site-specific conditions. DTSC developed their default attenuation factors using the national empirical vapor intrusion database (U.S. EPA, 2008²). Soil vapor and paired indoor air measurements, consisting of 311 samples at 13 sites, were reviewed. An attenuation factor of 0.05 (or 20), representing approximately the 90th percentile of the data, was selected as an appropriate attenuation factor for existing residential structures. For new residential construction, the DTSC attenuation factor is 0.001 (or 1,000). Prior to January 2019, the SFRWQCB used an attenuation factor of 0.002 (or 500). However, in January 2019, the SFRWQCB updated its environmental screening levels to use the United States Environmental Protection Agency’s (EPA) generic attenuation factor of 0.03 (or 33)³. This dramatically reduced the screening levels for numerous VOCs.

In April 2019, DTSC’s HERO released an update to the Human Health Risk Assessment Note (referred to as HERO Note 3) that recommended using both the tailored attenuation factors included in the 2011 Vapor Intrusion Guidance and the U.S. EPA generic attenuation factor of 0.03. Therefore, this assessment compares the measured soil gas concentrations to two screening levels – one calculated based on the recommended attenuation factor for new residential construction (0.001), and one calculated based on the U.S. EPA’s generic attenuation factor of 0.03.

TABLE 3.1-1: Indoor Air and Soil Gas Screening Levels

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

Review of the soil gas analytical data indicates slightly elevated concentrations of TCE in two of the soil gas samples, and slightly elevated benzene in all three of the soil gas samples when compared to screening levels based on the U.S. EPA’s generic attenuation factor of 0.03. When reported benzene and TCE concentrations are compared to screening levels based on the recommended attenuation factor for new residential construction of 0.001, the reported concentrations are below residential screening levels. Additionally, the reported concentrations of oxygen in the soil gas samples range from 9.8 to 15 percent. Petroleum hydrocarbons, including benzene, are known to significantly degrade in aerobic conditions (greater than 4 percent oxygen) in the vadose zone. The U.S. EPA’s generic attenuation factor of 0.03 does not account for this degradation referred to as bioattenuation. Moreover, the use of a 0.03 attenuation factor is exceedingly conservative and does not consider current construction practices in California. Typical foundation construction in California consists of a monolithic, post-tensioned mat foundation measuring 10 to 12 inches in thickness. A moisture vapor retarder is placed beneath the slab to prevent water vapor from migrating through the slab; this provides additional attenuation to subsurface soil vapor intrusion. The post-tensioned mat foundation eliminates cracking in the foundation and as a result drastically decreases preferential pathways to indoor air.

² U.S. EPA’s Vapor Intrusion Database: Preliminary Evaluation of Attenuation Factors, March 4, 2008

³ San Francisco Bay Regional Water Quality Control Board Update to Environmental Screening Levels dated January 24, 2019.

Based on the presence of a bioattenuation zone (oxygen concentrations greater than 4 percent) and considering the typical building practices utilized in new construction in California, the use of a soil vapor attenuation factor of 0.001 is appropriate for the Site.

3.2 SOIL VAPOR EVALUATION

The individual sample cumulative cancer risk for a residential indoor air exposure scenario, ranges from **1.34×10^{-7} to 4.26×10^{-7}** . The cancer risk at the site is less than 1×10^{-6} , therefore, the risk evaluation indicates that there is not an elevated cancer risk associated with vapor intrusion from soil gas to indoor air at the Site.

The individual sample cumulative non-cancer hazard for a residential indoor air exposure scenario ranges from **4.84×10^{-3} to 7.36×10^{-3}** . The evaluation of the non-cancer hazard indicates that the non-cancer hazard is less than 1, and therefore, there is not an elevated non-cancer hazard associated with soil vapor and indoor air vapor intrusion at the Site.

Based on our evaluation, the subsurface soil gas conditions do not pose a future risk to the planned residential development. Further, the data indicate that vapor mitigation is not required for the future residential structures.

3.3 SOIL EVALUATION

Review of the soil analytical results indicates elevated concentrations of lead and SVOCs (benzo[a]anthracene and benzo[a]pyrene) in the surface soil in portions of the Site. An evaluation of the soil samples exhibiting elevated lead and/or SVOCs indicates that the individual sample cumulative cancer risk for a residential soil exposure scenario ranges from **2.43×10^{-9} to 1.80×10^{-5}** . The cancer risk associated with elevated lead and/or SVOCs in site soil exceeds 1×10^{-6} , therefore, the risk evaluation indicates that there is an elevated cancer risk associated with lead and/or SVOC concentrations in the identified portions of the Site soil.

The individual sample cumulative non-cancer hazard for a residential soil exposure scenario, ranges from **0.69 to 16.6**. The evaluation of the non-cancer hazard indicates that the non-cancer hazard exceeds 1 in five of the seven samples evaluated. A non-cancer hazard greater than 1 indicates that there is an elevated non-cancer hazard associated with lead and/or SVOC concentrations in the identified portions of the Site soil.

The detectable arsenic concentrations were not included in the cancer risk or non-cancer hazard evaluations. Reported arsenic concentrations ranged from 1.11 mg/kg to 8.84 mg/kg. These concentrations are within the expected background concentration of 11 mg/kg for the San Francisco Bay Area (Duvergé, 2011)

The individual sample cumulative cancer risk and cumulative non-cancer hazard evaluation is presented in Table A, attached.

3.4 NATURE AND EXTENT OF CONTAMINATION

Review of the laboratory analytical data and the screening level-based risk evaluations indicates that soil is the only impacted media at the Site. Lead and SVOCs are the primary COPCs for the Site. Based on the findings of the soil sampling and laboratory testing, the soil impacts appear to

be limited to three isolated portions of the Site. The depth of the impacted soil is likely limited to 18 to 24 inches below the ground surface, equating to an approximate volume of 775 cubic yards of soil.

4.0 SITE REMEDIATION OBJECTIVE AND SOIL CLEANUP LEVELS

Site characterization has revealed the presence of lead and SVOCs above residential soil screening levels in isolated portions of the Site. The site remediation objective (SRO) is to reduce the human health risks associated with the COPCs in Site soil to a level that is acceptable for future development.

Based on the SRO, a soil cleanup level was developed that establishes the specific lead and SVOC concentrations that are protective of both human health and the environment. The soil cleanup level has been developed for the Site from: (1) information obtained during characterizations conducted at the Site; and (2) risk management decisions based upon the current and possible future development of the Site. The following is the soil cleanup level that was developed for the Site.

- Lead – 80 mg/kg (DTSC-SL for a residential [unrestricted] land use scenario)
- Benzo[a]anthracene – 1.1 mg/kg (DTSC-SL for a residential [unrestricted] land use scenario)
- Benzo[a]pyrene – 0.11 mg/kg (DTSC-SL for a residential [unrestricted] land use scenario)

4.1 RECOMMENDED REMEDIAL ACTION

Based on the identified impact to soil in isolated portions of the Site, the recommended remedial activity consists of excavation of identified lead and SVOC impacted soil. Excavated soil will be stockpiled and characterized to determine appropriate soil management practices based on the laboratory analytical reports.

5.0 IMPLEMENTATION OF REMEDIAL ACTIVITY

5.1 PERMITTING AND SITE PREPARATION

The SRP will be conducted in conjunction with site development activities and will be conducted in accordance with all applicable California Code of Regulations, including Cal/OSHA regulations. Prior to implementation of the SRP, necessary permits will be obtained from the City of Petaluma. This may include grading and/or excavation permits.

5.2 EXCAVATION METHODOLOGY

Excavation work will be conducted by a licensed grading contractor with current hazardous material certifications. Work activities will be conducted Monday – Friday between 7:00 AM and 6:00 PM. Excavations will be performed using a combination of backhoes, track-mounted excavators, and loaders. Locations of impacted soil have been identified at the Site; however, the extent of the shallow soil impact is not completely delineated. Three initial excavation areas have been identified. Excavation 1 comprises an approximate 10,000-square-foot area surrounding sample locations S9, S10, S11, and S12. Excavation 2 comprises an approximate 3,125-square-foot area (125-feet x 25-feet) surrounding sample locations S15 and S16. Excavation 3 comprises an approximate 625-square-foot area (25-feet x 25-feet) surrounding sample location S3. Based on the laboratory reports, Excavations 1 and 2 will extend to a depth

of 18 inches below the ground surface. Excavation 3 will extend to a depth of 24 inches below the ground surface. The Initial excavations are expected to generate approximately 775 cubic yards of spoils.

Excavation spoils will be stockpiled on site for characterization. Soil stockpiles will be placed on 10-mil plastic sheeting and, as necessary, soil stockpiles will be covered with 10-mil plastic sheeting and secured to prevent dust or runoff during storm events. Stockpiles will be managed in accordance with Sections 6.2, 6.3, and 7.2.

5.3 CONTROL MEASURES

During remedial activity the Site will be cordoned off to be protective of the general public and access to the Site will be through a specific entrance(s). Dust control measures will be performed in accordance with Section 7. On-site health and safety measures are detailed in Appendix B.

Noise control measures implemented within the Site will be undertaken in accordance with applicable City of Petaluma requirements. Anticipated construction activities will be conducted between 7 a.m. and 6 p.m. on any day, except Saturday or Sunday. Work conducted on Saturday or Sunday would be completed between 8 a.m. and 5 p.m., subject to the approval of the City of Petaluma. Noise control measures will include, but are not limited to, the following.

- All equipment driven by internal combustion engines will be equipped with appropriate mufflers in good operating condition.
- When feasible, “quiet” models of stationary equipment such as air compressors, generators, and other noise sources will be utilized.
- Stationary noise-generating equipment will be located as far as possible from sensitive receptors.
- No unnecessary idling of internal combustion engines will occur on Site.

5.4 FIELD VARIANCES

Significant variances from the SRP will be evaluated and documented. The field variances will be documented in a Site Remediation Completion Report.

6.0 SAMPLING AND ANALYSIS PLAN

The proposed removal action will require the collection and analysis of samples to confirm the removal of impacted soil and to determine the appropriate soil management of excavated soil. In the following sections, confirmation sampling and waste disposal classification sampling are discussed.

6.1 CONFIRMATION SAMPLING OF EXCAVATED AREAS

Confirmation samples will be collected from the base and sidewalls of the remedial excavations. Based on the size of Excavation 1, it will be divided into grids measuring approximately 50 feet by 50 feet. Excavation 2 will be divided into grids measuring approximately 40 feet by 25 feet. Excavation 3 will measure 25 feet by 25 feet and will not require a grid-based approach.

Following excavation, each of the excavated grids within Excavation 1 and 2 will be sampled by the collection of one discrete soil sample from the center-base of the grid. One sample will be collected from the center base of Excavation 3. Base samples from Excavation 1 will be analyzed for total lead and SVOCs. Base samples collected from Excavation 2 will be analyzed for SVOCs. The base sample collected from Excavation 3 will be analyzed for total lead. Excavations with base confirmation sampling concentrations exceeding the soil cleanup levels will be re-excavated an additional 6 inches vertically and resampled.

Confirmation samples will also be collected from the resulting sidewalls of the excavations. Sidewall samples will be collected on a frequency of one sample per approximately 50 linear feet of sidewall. Sidewall samples will be collected from the center of the 50-foot portion of sidewall and approximately 6 inches below the surface elevation of the existing grade surrounding the proposed excavation. All sidewall samples will be analyzed for the same target analytes as the associated base confirmation samples. In locations where the sidewall confirmation samples exceed the soil cleanup levels, the representative portion of the sidewall will be excavated an additional 1 foot laterally and resampled. If a sidewall extends to the property boundary the excavation will be considered complete. No excavation activity will extend beyond the property boundary.

Excavation activities will proceed until the soil cleanup levels are achieved on the base and the sidewalls of an excavation. All excavated soil will be managed, as discussed in Sections 6.2, 6.3, or 7.2, as applicable. All resulting stockpiles will be characterized to determine the appropriate management techniques. Grids with base and sidewall confirmation samples below the soil cleanup levels will be considered complete with no further excavation required.

6.2 SOIL STOCKPILES

Any soil to be offhauled will be excavated and stockpiled in approximately 250 cubic yard volumes on Site. The soil stockpiles will be profiled for landfill disposal and/or appropriate soil management practices on a one 4-point composite sample per 250 cubic yard basis. The specific laboratory profile will be determined prior to excavation activities and will be based on the requirements of the recipient facility; however, it is anticipated the stockpile samples will be analyzed for CAM-17 metals and SVOCs, at a minimum. Laboratory reports will be provided to all recipient facilities for acceptance and waste profiling.

6.3 SOIL IMPORT

Soil import specifically for backfilling of remedial excavations is not anticipated to be required following the implementation of the removal action; however, if soil is imported to the Site for general grading activities and/or backfill of remedial excavations, the potential import material will be assessed in accordance with DTSC's *Clean Import Fill Material* guidance document (October 2001). The laboratory results of the import fill characterization will be compared to respective DTSC residential soil SLs. If no DTSC SL is established, the respective USEPA RSL for residential soil will be utilized as the acceptance criteria.

7.0 DUST MITIGATION MEASURES

This section presents mitigation measures to control sources of fugitive dust generated by excavation and soil management/handling activities. Site contractors shall utilize the following measures during all soil remediation activities.

7.1 TRACK-OUT PREVENTION AND CONTROL

Visible track-out from the Site to a paved public road at any location where vehicles exit the work site will be prevented and/or removed. All of the following measures will be implemented at all times during remedial activities at the Site.

- Any visible track-out on a paved public road at any location where vehicles exit the work site will be removed using a wet sweeping HEPA vacuum device at the end of the workday.
- A gravel pad designed using good engineering practices to clean tires of exiting vehicles will be placed at the Site exit.
- All hauling vehicles will exit the construction site through a stabilized construction entrance/exit consisting of gravel pads to prevent tracking of soil onto public roadways.

7.2 ACTIVE STORAGE PILES

Active storage piles will be adequately wetted or covered with tarps. Fugitive dust emissions from active soil storage piles will be controlled using the following methods during construction and grading activities at the Site.

- All storage piles will be kept adequately wetted. Watering will occur at least three times per shift per day, or as often as necessary to prevent dust emissions from crossing the property line. Active storage piles will be kept tarped on weekends and holidays.

7.3 INACTIVE DISTURBED SURFACE AREAS AND STORAGE PILES

Stabilization of inactive (no disturbance for more than 7 days) disturbed surface areas and storage piles by means of wetting, covering, and/or application of chemicals. Fugitive dust emissions from inactive disturbed surface areas or storage piles within the Site will be controlled with the following mitigation measures during removal action activities at the Site.

- Inactive disturbed surface areas and storage piles will be covered with a tarp consisting of a 10-mil (0.01-inch) polyethylene plastic or equivalent with bracing to hold it down, hydroseeded, or by applying non-toxic soil stabilizers.
- Inactive surface areas and storage piles will be adequately wetted or will be stabilized with chemical stabilizers within 7 days of completion or excavation activities.

7.4 ON-SITE TRAFFIC CONTROL

On-site traffic speeds will be limited to 15 miles per hour (mph) (24 kilometers per hour [km/h]) Unpaved roads, vehicle parking areas, and equipment staging areas will be stabilized by means of wetting, covering, and/or application of chemicals such as dust palliatives (calcium chloride or lignin sulfonate additive to water trucks).

7.5 EARTH-MOVING ACTIVITIES

Excavation areas will be wetted before and during excavation activities. Operations will be suspended when wind speeds cause dust to migrate beyond the property line. Fugitive dust emissions from excavation and offhaul activities will be controlled using all the following methods during remedial activity at the Site.

- The ground will be pre-wetted to the depth of anticipated cut.
- The surfaces of active areas will be watered prior to the start of and during remedial excavation activities.
- Prior to completion of excavation activities, water will be applied to disturbed areas as needed to prevent visible emissions. Areas of active soil disturbance associated with the remediation of impacted soil will be watered or covered prior to weekends and holidays as necessary.
- Excavation and offhaul operations will be suspended during periods of sustained winds strong enough to result in dust emissions crossing the property line despite the application of dust mitigation measures.

7.6 CONTROL FOR OFF-SITE TRANSPORT

Trucks transporting excavated materials off site shall be wetted, loaded, and/or tarped such that spillage will not occur. Fugitive dust emissions from loading and offhaul of waste materials will be controlled using all the following methods at the Site.

- Loads will be adequately wetted prior to loading into trucks for offhaul.
- Trucks will be maintained such that no spillage can occur from holes or other openings in the cargo compartments.
- Loader buckets will be emptied slowly and drop height from loader bucket minimized.
- Loading activities will be suspended when wind speeds are high enough to result in dust emissions crossing the property line, despite the application of dust mitigation measures.
- Vehicles that are used to transport solid bulk materials will have loads covered with tarps. Materials will be adequately wetted and loaded onto the trucks in a manner to provide at least 1 foot of freeboard to prevent potential spillage.
- Vehicles that are used to transport solid bulk materials will be checked to ensure that their loads are tarped and any excess material on the shelf or exterior surfaces of the cargo compartment has been removed.

7.7 CONTINGENCY MITIGATION MEASURES

In the event that above measures are unsuccessful at controlling dust emissions from excavation and offhaul activities, one or more of the following secondary measures will be implemented until the condition stabilizes.

- Install dust enclosures, curtains, dust collectors, plastic tarps, screens, windbreaks, misting systems, or fencing on windward and down windward sides of active stockpile areas and/or active excavation areas.

- Paved roads on site will be swept at least twice per day or more frequently as necessary to control windblown dust and dust generated by vehicle traffic. Streets adjacent to the construction site will be swept as necessary to remove accumulated dust and soil. Water may also be applied to the paved roads. Only wet sweeping methods or HEPA filter equipped vacuum device will be used. Dry rotary sweeping methods will not be used.
- Vehicle trips will be reduced to the extent practicable.

8.0 HEALTH AND SAFETY PLAN

All contractors will be responsible for operating in accordance with the most current requirements of State and Federal Standards for Hazardous Waste Operations and Emergency Response (Cal. Code Regs., Title 8, Section 5192; 29 CFR 1910.120). On-site personnel are responsible for operating in accordance with all applicable regulations of the Occupational Safety and Health Administration (OSHA) outlined in the State General Industry and Construction Safety Orders (Cal. Code Regs., tit. 8) and Federal Construction Industry Standards (29 CFR 1910 and 29 CFR 1926), as well as other applicable federal, state, and local laws and regulations. All personnel shall operate in compliance with all California OSHA requirements.

In addition, California OSHA's Construction Safety Orders (especially Cal. Code Regs., Title 8, Sections 1539 and 1541) will be followed as appropriate. A site-specific Health and Safety Plan (HASP) has been prepared for the Site in accordance with current health and safety standards as specified by the federal and California OSHAs and submitted to DTSC prior to initiation of field work. The HASP is presented in Appendix B.

The provisions of the HASP are mandatory for all personnel who are at the Site. The contractor and its subcontractors performing fieldwork in association with this SRP will either adopt and abide by the HASP or shall develop their own safety plans which, at a minimum, meet the requirements of the HASP. All on-site personnel shall read the HASP and sign the "Acknowledgement" (Attachment G of the HASP) before starting Site activities.

9.0 REPORTING

Upon completion of soil excavation and confirmation sampling, we will prepare a final Site Remediation Completion Report documenting all Site activities. The report will provide all compiled laboratory data, disposal manifests for the project, and identify the appropriate soil management techniques that were utilized during the implementation of the remedial activity. The report will be signed by a California Professional Engineer and/or Professional Geologist.



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TABLES

TABLE A: Soil Analytical Data Summary

TABLE B: Soil Gas Analytical Data Summary

TABLE C: Groundwater Analytical Data Summary

TABLE D: Benzo(a)pyrene Equivalent Calculations

Table A - Soil Analytical Data Summary

Oyster Cove
Petaluma, CA

Parameters	DTSC HERO HHRA Note 3 Screening Levels; Residential; Cancer (June 2020)	DTSC HERO HHRA Note 3 Screening Levels; Residential; Non Cancer (June 2020)	US EPA RSLs Residential Soil (May 2021)	RWQCB Residential ESL (Jan 2019)	Sample Location Sample Date Media Units	S1 @0-6"	S1 @24-30"	S2 @0-6"	S2 @12-18"	S2 @24-30"	S3@0-6"	S3@12-18"	S3@24-30"	S4@0-6"	S4@12-18"	S4@30-36"	S5@0-6"	
						5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil		
						Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
Metals (SW6010B)																		
Antimony		--	3.10E+01		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic*	1.10E-01	4.10E-01	6.80E-01	--	mg/kg	2.22	5.76	2.66	5.51	3.2	2.94	5.65	6.31	3.7	3.04	3.18	1.85	
Barium	--	--	1.50E+04	--	mg/kg	74.4	64.7	97.6	95.5	54.8	36.4	86.4	87.5	62.9	23.4	20.8	73.4	
Chromium	--	--	1.20E+05	--	mg/kg	19.4	27.4	11.1	81.1	27.6	11	37.9	45.2	26.1	10	8.35	15.5	
Cadmium	9.10E+02	7.10E+00	7.10E+01		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cobalt	--	--	2.30E+01	--	mg/kg	3.73	9.58	4.71	13	11.6	5.12	10.2	22.4	8.04	3.83	2.62	6.69	
Copper	--	--	3.10E+03	--	mg/kg	94.8	20.8	12.5	29.7	15.4	5.36	47	29.5	54.7	13.3	13.1	12.6	
Lead	--	8.00E+01	4.00E+02	--	mg/kg	7.91	31.8	18.2	20.7	6.07	5.15	92.5	15.4	7.24	23	12.7	15	
Molybdenum	--	--	3.90E+02	--	mg/kg	1.11	ND	ND	ND	ND	ND	1.29	ND	1.65	ND	ND	ND	
Nickel	1.50E+04	8.20E+02	1.50E+03	--	mg/kg	19.4	33.3	16.7	75.9	46.7	21.6	36.4	62.1	19.7	11.9	9.84	21	
Vanadium	--	--	3.90E+02	--	mg/kg	ND	25.9	ND	39.4	26.9	ND	ND	40.9	26.4	ND	ND	ND	
Zinc	--	--	2.30E+04	--	mg/kg	265	54.8	44.8	63.5	29.9	21.2	333	103	59.1	54.3	125	34.6	
Total Petroleum Hydrocarbons (TPH - SW8015B)																		
TPH(Gasoline)	--	--	--	4.30E+02	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH as Diesel	--	--	--	2.60E+02	mg/kg	ND	10.8	ND	ND	ND	ND	59.4	2.31	ND	35.2	60.4	ND	
TPH as Motor Oil	--	--	--	1.20E+04	mg/kg	885	99.4	1120	65.8	ND	3470	436	ND	37	173	428	344	
Volatile Organic Compounds (VOCs - SW8260B)																		
2-Butanone (MEK)	--	--	2.70E+04	--	mg/kg	ND	ND	0.0128	0.0223	ND	ND	0.0675	0.0228	ND	0.0181	ND	ND	
Methylene Chloride	2.20E+00	3.10E+02	5.70E+01	--	mg/kg	ND	0.129	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	--	1.10E+03	4.90E+03	--	mg/kg	0.0329	0.129	0.0438	0.0567	ND	0.0346	0.0347	ND	ND	0.0418	0.0147	0.0247	
Polycyclic Aromatic Hydrocarbons (PAHs - SW8270C)																		
Acenaphthene	--	3.30E+03	3.60E+03	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Acenaphthylene	--	--	--	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Anthracene	--	1.70E+04	1.80E+04	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Benz[a]anthracene	1.10E+00	--	1.10E+00	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Chrysene	1.10E+02	--	1.10E+02	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Benzo[b]fluoranthene	1.10E+00	--	1.10E+00	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Benzo[k]fluoranthene	1.10E+01	--	1.10E+01	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Benzo[a]pyrene	1.10E-01	1.80E+01	1.10E-01	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Indeno[1,2,3-cd]pyrene	1.10E+00	--	1.10E+00	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dibenz(a,h)anthracene	2.80E-02	--	1.10E-01	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Fluoranthene	--	2.40E+03	2.40E+03	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Phenanthrene	--	--	--	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Pyrene	--	1.80E+03	1.80E+03	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Chemical-Specific Cancer Risk						NA	NA	NA	NA	NA	NA	2.43E-09	NA	NA	NA	NA	NA	
Chemical-Specific Non-Cancer Risk (Hazard Quotient)						NA	NA	NA	NA	NA	NA	1.20E+00	NA	NA	NA	NA	NA	

Notes:

BOLD Exceeds DTSC HERO HHRA Note 3 Screening Levels; Residential (June 2020)

Highlight Exceeds US EPA RSLs Residential Soil (May 2021)

* Arsenic was detected above the respective DTSC SL and USEPA RSL; however, these concentrations are within the expected background concentration of 11 mg/kg (Duvergé, 2011).

N/A - Not analyzed

ND - non-detect

Table A - Soil Analytical Data Summary

Oyster Cove
Petaluma, CA

Parameters	DTSC HERO HHRA Note 3 Screening Levels; Residential; Cancer (June 2020)	DTSC HERO HHRA Note 3 Screening Levels; Residential; Non Cancer (June 2020)	US EPA RSLs Residential Soil (May 2021)	RWQCB Residential ESL (Jan 2019)	Sample Location Sample Date Media Units	S5@12-18"	S5@18-24"	S7@0-6"	S7@12-18"	S7@18-24"	S8@0-6"	S8@12-18"	S8@30-36"	S9	S10	S11	S12
						5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil
Metals (SW6010B)																	
Antimony		--	3.10E+01		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.86	ND	2.42
Arsenic*	1.10E-01	4.10E-01	6.80E-01	--	mg/kg	3.65	5.11	1.81	1.61	5.02	2.53	1.11	1.16	3.5	7.45	6.56	4.81
Barium	--	--	1.50E+04	--	mg/kg	398	106	122	110	99	92	57	77.9	161	480	100	192
Chromium	--	--	1.20E+05	--	mg/kg	28.7	26	19.5	24.3	40.2	19.7	21.2	16	30	33.8	26.1	17.8
Cadmium	9.10E+02	7.10E+00	7.10E+01		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	2.22	8.53	ND	1.92
Cobalt	--	--	2.30E+01	--	mg/kg	10	6.32	16.1	9.5	13.9	13.5	4.51	7.4	10.1	14.1	9.06	8.77
Copper	--	--	3.10E+03	--	mg/kg	29.2	16.2	12.5	12.2	21.8	11.4	4.81	6.1	69.1	255	29.9	61.9
Lead	--	8.00E+01	4.00E+02	--	mg/kg	23.6	10.2	7.89	4.96	8.13	24.8	6.97	5	214	1230	95.3	596
Molybdenum	--	--	3.90E+02	--	mg/kg	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	1.50E+04	8.20E+02	1.50E+03	--	mg/kg	34.6	22.7	25.6	28.5	63.8	14.5	14.5	11.2	25.5	37.3	28.3	24.4
Vanadium	--	--	3.90E+02	--	mg/kg	ND	ND	ND	ND	37.7	ND	ND	ND	25.9	25.4	ND	ND
Zinc	--	--	2.30E+04	--	mg/kg	370	19.7	18.6	19.6	44.3	20.6	13.9	8.86	453	2860	139	1140
Total Petroleum Hydrocarbons (TPH - SW8015B)																	
TPH(Gasoline)	--	--	--	4.30E+02	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH as Diesel	--	--	--	2.60E+02	mg/kg	ND	31.4	ND	ND	2.39	4.18	3.59	5.07	23.8	36.8	50.5	34.8
TPH as Motor Oil	--	--	--	1.20E+04	mg/kg	260	301	ND	ND	ND	13.6	ND	26.4	177	322	296	283
Volatile Organic Compounds (VOCs - SW8260B)																	
2-Butanone (MEK)	--	--	2.70E+04	--	mg/kg	ND	0.0555	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	2.20E+00	3.10E+02	5.70E+01	--	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	--	1.10E+03	4.90E+03	--	mg/kg	ND	0.0907	0.0128	0.0511	0.0243	0.0979	0.0248	ND	ND	ND	ND	ND
Polycyclic Aromatic Hydrocarbons (PAHs - SW8270C)																	
Acenaphthene	--	3.30E+03	3.60E+03	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	ND	ND	ND
Acenaphthylene	--	--	--	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	ND	ND	ND
Anthracene	--	1.70E+04	1.80E+04	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	ND	ND	ND
Benz[a]anthracene	1.10E+00	--	1.10E+00	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.181	ND	ND
Chrysene	1.10E+02	--	1.10E+02	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.271	ND	ND
Benzo[b]fluoranthene	1.10E+00	--	1.10E+00	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.414	0.121	ND
Benzo[k]fluoranthene	1.10E+01	--	1.10E+01	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.147	ND	ND
Benzo[a]pyrene	1.10E-01	1.80E+01	1.10E-01	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.224	ND	ND
Indeno[1,2,3-cd]pyrene	1.10E+00	--	1.10E+00	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.185	ND	ND
Dibenz(a,h)anthracene	2.80E-02	--	1.10E-01	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	ND	ND	ND
Fluoranthene	--	2.40E+03	2.40E+03	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.145	0.101	ND
Phenanthrene	--	--	--	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.099	ND	ND
Pyrene	--	1.80E+03	1.80E+03	--	mg/kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	0.157	ND	ND
Chemical-Specific Cancer Risk						NA	NA	NA	NA	NA	NA	NA	NA	4.14E-09	2.77E-06	1.12E-07	3.74E-09
Chemical-Specific Non-Cancer Risk (Hazard Quotient)						NA	NA	NA	NA	NA	NA	NA	NA	3.02E+00	1.66E+01	1.23E+00	7.48E+00

Notes:

BOLD Exceeds DTSC HERO HHRA Note 3 Screening Levels; Residential (June 2020)

Highlight Exceeds US EPA RSLs Residential Soil (May 2021)

* Arsenic was detected above the respective DTSC SL and USEPA RSL; however, these concentrations are within the expected background concentration of 11 mg/kg (Duvergé, 2011).

N/A - Not analyzed

ND - non-detect

Table A - Soil Analytical Data Summary

Oyster Cove
Petaluma, CA

Parameters	DTSC HERO HHRA Note 3 Screening Levels; Residential; Cancer (June 2020)	DTSC HERO HHRA Note 3 Screening Levels; Residential; Non Cancer (June 2020)	US EPA RSLs Residential Soil (May 2021)	RWQCB Residential ESL (Jan 2019)	Sample Location Sample Date Media Units	S13	S14	S15	S16	S17
						5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil	5/20/2021 Soil
						Result	Result	Result	Result	Result
Metals (SW6010B)										
Antimony		--	3.10E+01		mg/kg	ND	ND	ND	ND	ND
Arsenic*	1.10E-01	4.10E-01	6.80E-01	--	mg/kg	5.33	4.79	8.84	7.93	4.09
Barium	--	--	1.50E+04	--	mg/kg	73.3	64.8	77.7	109	110
Chromium	--	--	1.20E+05	--	mg/kg	24.7	25	25.6	36.6	27.9
Cadmium	9.10E+02	7.10E+00	7.10E+01		mg/kg	ND	ND	ND	ND	ND
Cobalt	--	--	2.30E+01	--	mg/kg	7.37	7.61	9.05	11.4	12.1
Copper	--	--	3.10E+03	--	mg/kg	34.9	21.9	22.7	34.2	17.1
Lead	--	8.00E+01	4.00E+02	--	mg/kg	76.7	37.6	52.1	45.7	22.5
Molybdenum	--	--	3.90E+02	--	mg/kg	ND	ND	ND	ND	ND
Nickel	1.50E+04	8.20E+02	1.50E+03	--	mg/kg	24.4	22.8	29.1	43.2	29.8
Vanadium	--	--	3.90E+02	--	mg/kg	ND	25.1	ND	28.9	26.1
Zinc	--	--	2.30E+04	--	mg/kg	71.7	72.7	63.9	60.8	37.3
Total Petroleum Hydrocarbons (TPH - SW8015B)										
TPH(Gasoline)	--	--	--	4.30E+02	mg/kg	ND	ND	ND	ND	ND
TPH as Diesel	--	--	--	2.60E+02	mg/kg	18.4	12.8	19.1	245	28.9
TPH as Motor Oil	--	--	--	1.20E+04	mg/kg	127	76.7	140	1080	157
Volatile Organic Compounds (VOCs - SW8260B)										
2-Butanone (MEK)	--	--	2.70E+04	--	mg/kg	ND	ND	ND	ND	ND
Methylene Chloride	2.20E+00	3.10E+02	5.70E+01	--	mg/kg	ND	ND	ND	ND	ND
Toluene	--	1.10E+03	4.90E+03	--	mg/kg	ND	ND	ND	ND	ND
Polycyclic Aromatic Hydrocarbons (PAHs - SW8270C)										
Acenaphthene	--	3.30E+03	3.60E+03	--	mg/kg	ND	ND	ND	ND	0.0669
Acenaphthylene	--	--	--	--	mg/kg	ND	ND	ND	0.683	0.0527
Anthracene	--	1.70E+04	1.80E+04	--	mg/kg	ND	ND	0.0713	1.49	0.117
Benz[a]anthracene	1.10E+00	--	1.10E+00	--	mg/kg	ND	ND	0.166	1.72	0.0991
Chrysene	1.10E+02	--	1.10E+02	--	mg/kg	ND	ND	0.174	2.17	0.209
Benzo[b]fluoranthene	1.10E+00	--	1.10E+00	--	mg/kg	ND	ND	0.226	2.98	0.333
Benzo[k]fluoranthene	1.10E+01	--	1.10E+01	--	mg/kg	ND	ND	0.0726	0.872	0.0981
Benzo[a]pyrene	1.10E-01	1.80E+01	1.10E-01	--	mg/kg	ND	ND	0.133	1.35	0.0984
Indeno[1,2,3-cd]pyrene	1.10E+00	--	1.10E+00	--	mg/kg	ND	ND	0.0855	1.45	0.107
Dibenz(a,h)anthracene	2.80E-02	--	1.10E-01	--	mg/kg	ND	ND	ND	ND	ND
Fluoranthene	--	2.40E+03	2.40E+03	--	mg/kg	ND	0.0659	0.266	2.17	0.181
Phenanthrene	--	--	--	--	mg/kg	ND	ND	0.206	ND	0.0784
Pyrene	--	1.80E+03	1.80E+03	--	mg/kg	ND	ND	0.224	2.36	0.171
Chemical-Specific Cancer Risk						NA	NA	1.65E-06	1.80E-05	NA
Chemical-Specific Non-Cancer Risk (Hazard Quotient)						NA	NA	6.94E-01	7.01E-01	NA

Notes:

BOLD Exceeds DTSC HERO HHRA Note 3 Screening Levels; Residential (June 2020)

Highlight Exceeds US EPA RSLs Residential Soil (May 2021)

* Arsenic was detected above the respective DTSC SL and USEPA RSL; however, these concentrations are within the expected background concentration of 11 mg/kg (Duvergé, 2011).

N/A - Not analyzed

ND - non-detect

Table B - Soil Gas Analytical Data Summary With Cumulative Risk Assessment - Individual Soil Vapor Sample Evaluation

Oyster Cove
Petaluma, CA

Parameters	Soil Gas Cancer Screening Level (AF=0.001) ¹	Soil Gas Non Cancer Screening Level (AF=0.001) ¹	Sample Location	SV-1	SV-2	SV-3
			Sample Date	5/20/2021	5/20/2021	5/20/2021
			Media	Soil Vapor	Soil Vapor	Soil Vapor
			Units	Result	Result	Result
			Depth	5.5	5.5	5.5
Fixed Gases (ASTM 1946D)						
Carbon Dioxide	--	--	%	3.4	5.4	0.41
Hydrogen	--	--	%	0.83	0.64	0.76
Oxygen	--	--	%	11	9.8	15
Nitrogen	--	--	%	78	78	78
Methane	--	--	%	< 0.0061	<0.0059	<0.0059
VOCs (TO-15)						
Methylene Chloride	1.00E+03	4.20E+05	µg/m ³	<4.2	17	<1.4
1,2,4-Trimethylbenzene	--	6.30E+04	µg/m ³	<3.6	<0.60	13
2-Butanone (MEK)	--	5.20E+06	µg/m ³	<2.3	35	<0.78
4-Ethyl Toluene	--	--	µg/m ³	<3.3	<0.55	10
Acetone	--	3.20E+07	µg/m ³	<2.4	120	50
Benzene	9.70E+01	3.10E+03	µg/m ³	13	22	21
Carbon Disulfide	--	7.30E+05	µg/m ³	16	10	11
Ethyl Benzene	1.10E+03	--	µg/m ³	<3.8	3.3	<1.3
Hexane	--	7.30E+05	µg/m ³	17	24	29
Total Xylenes	--	--	µg/m ³	24	7.3	7.8
tert-Butanol	--	--	µg/m ³	19	<0.62	<1.2
Tetrachloroethylene	4.60E+02	4.20E+04	µg/m ³	<8.7	8.5	11
Toluene	--	3.10E+05	µg/m ³	15	16	19
Trichloroethylene	4.80E+02	--	µg/m ³	<4.8	77	26
Trichlorofluoromethane	--	1.30E+06	µg/m ³	720	<0.56	<1.1
Using AF of 0.001				1.34E-07	4.26E-07	2.95E-07
Chemical-Specific Cancer Risk				4.84E-03	7.45E-03	7.36E-03
Chemical-Specific Non-Cancer Risk (Hazard Quotient)						

Notes:

DTSC - Department of Toxic Substance Control
SF RWQCB - San Francisco Regional Water Quality Control Board
µg/m³ - Micrograms per cubic meter
Sample depth - feet below ground surface

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative

AF - attenuation factor

IA - Indoor air

N/A - not applicable

ND - non-detect

8.30E+01 - Italicized screening level values indicate that no DTSC SLs were available, so EPA RSLs were used.

-- Screening Level Not Established

<4.1 - Not Detected Above Indicated Laboratory Reporting Limit

1 - DTSC Modified Screening Levels for Residential Air; Table 3; June 2020 with an attenuation factor of 0.001 for future residential land use

BOLD	- Exceeds DTSC HERO HHRA Note 3 Screening Levels; Residential (June 2020)
Highlight	- Exceeds US EPA RSLs Residential Ambient Air (May 2020)
Red Text	- Exceeds RWQCB Residential Subslab/Soil Gas (Jan 2019)

Table C - Groundwater Analytical Data Summary

Oyster Cove
Petaluma, CA

Parameters	RWQCB GW Vapor Intrusion Risk ESL (Jan 2019)	RWQCB GW MCL Priority ESL (Jan 2019)	Sample Location	GW-1	GW-2	GW-3
			Sample Date	5/20/2021	5/20/2021	5/20/2021
			Media	Groundwater	Groundwater	Groundwater
			Units	Results	Result	Result
Total Petroleum Hydrocarbons (with and without Silica Gel Cleanup - SW8015B)						
TPH(Gasoline)	--	7.60E-01	ug/L	ND	ND	76.9
TPH as Diesel	--	2.00E-01	mg/L	ND	ND	0.14
TPH as Motor Oil	--	--	mg/L	ND	ND	0.77
Volatile Organic Compounds (VOCs - SW8260B)						
VOCs			ug/L	ND	ND	ND

Notes:

BOLD - Exceeds Regional Water Quality Control Board; Environmental Screening Levels; Groundwater Vapor Intrusion Human Health Risk Levels; Table GW-3 (January 2019, Rev 2)

Highlight - Exceeds Regional Water Quality Control Board; Environmental Screening Levels; MCL Priority; Table GW-1 (January 2019, Rev 2)

N/A - not analyzed

ND - non-detect

GW - groundwater

Table D - Benzo(a)pyrene Equivalent Calculations

Oyster Cove
Petaluma, CA

Sample ID	Sample Date	Benz[a]anthracene				Chrysene				Benzo[b]fluoranthene				Benzo[k]fluoranthene				Benzo[a]pyrene				Indeno[1,2,3-cd]pyrene				Dibenz(a,h)anthracene				Sum of BaP-Eq
		Reported Concentration	Concentration Used for Ba(P)-Eq	PEF	Ba(P)-Eq	Reported Concentration	Concentration Used for Ba(P)-Eq	PEF	Ba(P)-Eq	Reported Concentration	Concentration Used for Ba(P)-Eq	PEF	Ba(P)-Eq	Reported Concentration	Concentration Used for Ba(P)-Eq	PEF	Ba(P)-Eq	Reported Concentration	Concentration Used for Ba(P)-Eq	PEF	Ba(P)-Eq	Reported Concentration	Concentration Used for Ba(P)-Eq	PEF	Ba(P)-Eq	Reported Concentration	Concentration Used for Ba(P)-Eq	PEF	Ba(P)-Eq	
		mg/kg	mg/kg	-	mg/kg	mg/kg	mg/kg	-	mg/kg	mg/kg	mg/kg	-	mg/kg	mg/kg	mg/kg	-	mg/kg	mg/kg	mg/kg	mg/kg	-	mg/kg	mg/kg	mg/kg	-	mg/kg	mg/kg	mg/kg	-	
B(a)P Urban Background Concentration																														
S9	5/20/2021	<0.98	0.49	0.1	0.049	<0.15	0.075	0.001	0.000075	<0.12	0.06	0.1	0.006	<0.081	0.0405	0.01	0.000405	<0.098	0.049	1	0.049	<0.14	0.07	0.1	0.007	<0.13	0.065	1	0.065	0.17648
S10	5/20/2021	0.181	0.181	0.1	0.0181	0.271	0.271	0.001	0.000271	0.414	0.414	0.1	0.0414	0.147	0.147	0.01	0.00147	0.224	0.224	1	0.224	0.185	0.185	0.1	0.0185	<0.13	0.065	1	0.065	0.36874
S11	5/20/2021	<0.98	0.49	0.1	0.049	<0.15	0.075	0.001	0.000075	0.121	0.121	0.1	0.0121	<0.081	0.0405	0.01	0.000405	<0.098	0.049	1	0.049	<0.14	0.07	0.1	0.007	<0.13	0.065	1	0.065	0.18258
S12	5/20/2021	<0.98	0.49	0.1	0.049	<0.15	0.075	0.001	0.000075	<0.12	0.06	0.1	0.006	<0.081	0.0405	0.01	0.000405	<0.098	0.049	1	0.049	<0.14	0.07	0.1	0.007	<0.13	0.065	1	0.065	0.17648
S13	5/20/2021	<0.98	0.49	0.1	0.049	<0.15	0.075	0.001	0.000075	<0.12	0.06	0.1	0.006	<0.081	0.0405	0.01	0.000405	<0.098	0.049	1	0.049	<0.14	0.07	0.1	0.007	<0.13	0.065	1	0.065	0.17648
S14	5/20/2021	<0.49	0.245	0.1	0.0245	<0.076	0.038	0.001	0.000038	<0.06	0.03	0.1	0.003	<0.041	0.0205	0.01	0.000205	<0.049	0.0245	1	0.0245	<0.069	0.0345	0.1	0.00345	<0.063	0.0315	1	0.0315	0.08719
S15	5/20/2021	0.166	0.166	0.1	0.0166	0.174	0.174	0.001	0.000174	0.226	0.226	0.1	0.0226	0.0726	0.0726	0.01	0.000726	0.133	0.133	1	0.133	0.0855	0.0855	0.1	0.00855	<0.063	0.0315	1	0.0315	0.21315
S16	5/20/2021	1.72	1.72	0.1	0.172	2.17	2.17	0.001	0.00217	2.98	2.98	0.1	0.298	0.872	0.872	0.01	0.00872	1.35	1.35	1	1.35	1.45	1.45	0.1	0.145	<0.88	0.44	1	0.44	2.41589
S17	5/20/2021	0.0991	0.0991	0.1	0.00991	0.209	0.209	0.001	0.000209	0.333	0.333	0.1	0.0333	0.0981	0.0981	0.01	0.000981	0.0984	0.0984	1	0.0984	0.107	0.107	0.1	0.0107	<0.063	0.0315	1	0.0315	0.185

Notes:
 PEF = Potency Equivalency Factor (DTSC, PEA Guidance Manual, January 1994, Revised October 2015)
 BaP-Eq = Benzo(a)pyrene Equivalents
 The PQL value is listed as the detection limit; MDL values are less than the PQL values.
 Half of the respective PQL was used for Ba(P)-Eq Calculations for reported ND concentrations



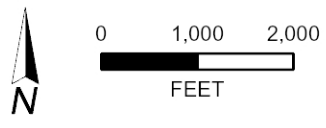
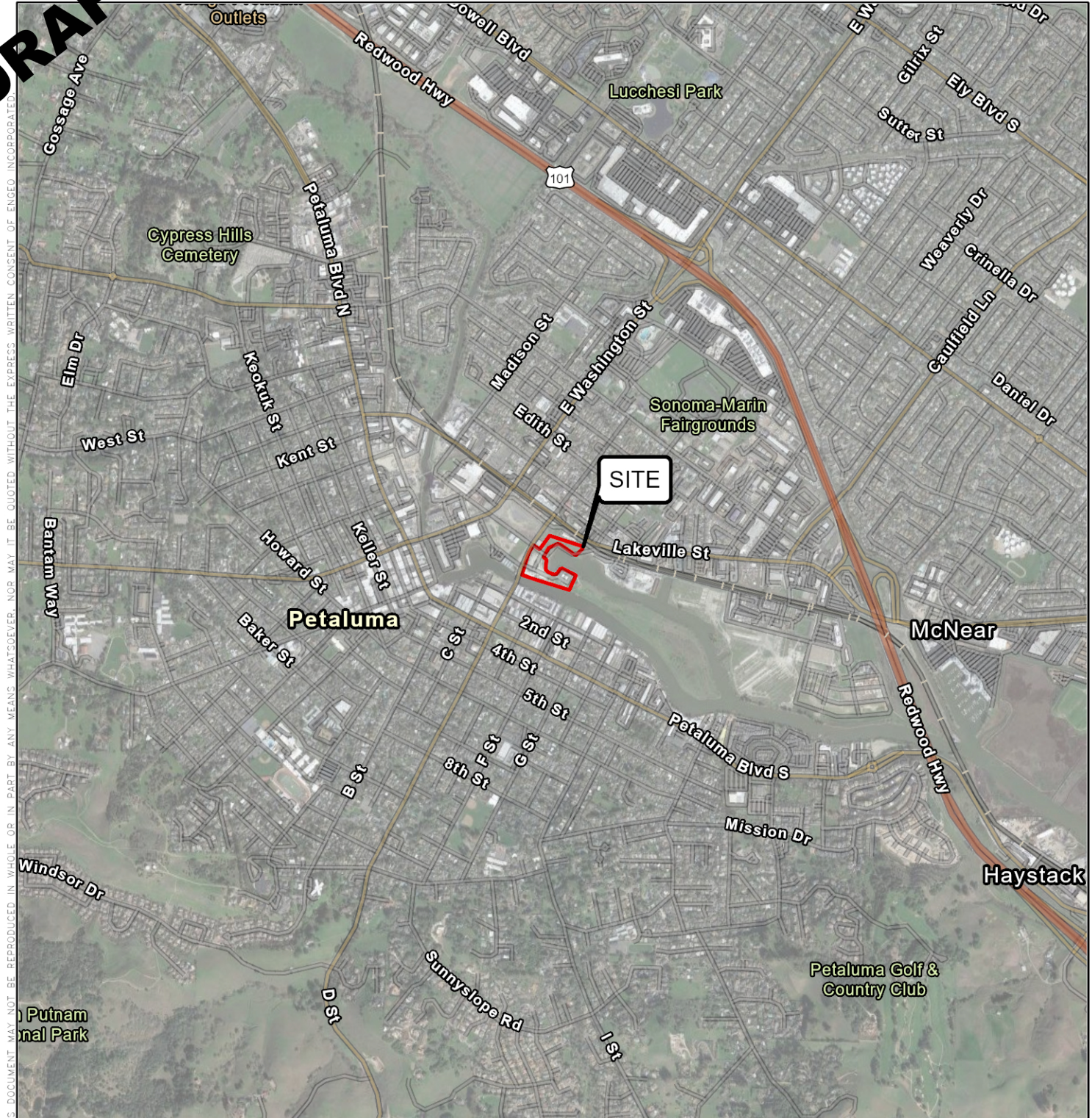
DRAFT

FIGURES

FIGURE 1: Vicinity Map

FIGURE 2: Site Plan

DRAFT



BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE FEBRUARY 2021



VICINITY MAP
OYSTER COVE
PETALUMA, CALIFORNIA

PROJECT NO. : 15571.001.000	FIGURE NO. 1
SCALE: AS SHOWN	
DRAWN BY: MAT	CHECKED BY: SPM

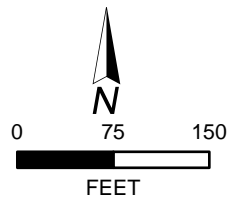
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EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- PROJECT SITE
- PROPOSED REMEDIAL EXCAVATION
- 3' SOIL BORING (*CO-LOCATED 40' BORING) (ENGE0, 2021)
- NEAR SURFACE SOIL SAMPLE (ENGE0, 2021)
- TEMPORARY SOIL GAS BORING (ENGE0, 2021)
- GRAB GROUNDWATER BORING (ENGE0, 2021)



BASEMAP SOURCE: NEARMAP MAPPING SERVICE MAY 2022



SITE PLAN
OYSTER COVE
PETALUMA, CALIFORNIA

PROJECT NO. : 15571.001.000	
SCALE: AS SHOWN	
DRAWN BY: QRL	CHECKED BY: SPM

FIGURE NO.
2



DRAFT

APPENDIX A

LABORATORY ANALYTICAL REPORTS



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

Work Order No.: 2105228 Rev. 1

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 16 sample(s) on May 21, 2021 for the analyses presented in the following Report.

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

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

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

Kathie Evans
Project Manager

May 31, 2021

Date



Date: 5/31/2021

Client: Engeo (San Ramon)

Project: D Street

Work Order: 2105228

CASE NARRATIVE

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

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

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

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

Analytical Comments for method 6020, 2105228-002A MS/MSD, QC Preparation Batch ID 1131876, Note:The % recoveries for Barium, Copper and Silver are outside of laboratory control limits but RPD is within limits. The associated LCS/LCSD is within both % Recovery and RPD limits. No corrective action required.

Analytical Comments for method 8015B, 2105228-011A MS/MSD, QC Preparation Batch ID 1132025, Note:The % recoveries for TPH diesel are outside of laboratory control limits but RPD is within limits. The associated LCS/LCSD is within both % Recovery and RPD limits. No corrective action required.

Analytical comment for method 8260B: The methylene chloride results for samples 001 and 020 are flagged as possible lab contamination.
2105228-010 MS, QC Preparation Batch ID 1132123, Note:The % recovery for Toluene is outside of laboratory control limits but RPD is within limits. The associated LCS/LCSD is within both % Recovery and RPD limits. No corrective action required

REVISIONS

Sample 013 was homogenized and re-analyzed for Lead. Report revised to include that data.

Rev. 1 (6/14/21)



Sample Result Summary

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date Received: 05/21/21
Date Reported: 05/31/21

S1@0-6"

2105228-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	2.22	mg/Kg
Barium	6020A	1	0.84	1.0	74.4	mg/Kg
Chromium	6020A	1	0.097	1.0	19.4	mg/Kg
Cobalt	6020A	1	0.21	1.0	3.73	mg/Kg
Copper	6020A	1	0.17	2.5	94.8	mg/Kg
Lead	6020A	1	0.054	1.0	7.91	mg/Kg
Molybdenum	6020A	1	0.13	1.0	1.11	mg/Kg
Nickel	6020A	1	1.2	5.0	19.4	mg/Kg
Zinc	6020A	2	1.4	5.0	265	mg/Kg
TPH as Motor Oil	SW8015B	1	32	100	885	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0329	mg/Kg

S1@24-30"

2105228-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	5.76	mg/Kg
Barium	6020A	1	0.84	1.0	64.7	mg/Kg
Chromium	6020A	1	0.097	1.0	27.4	mg/Kg
Cobalt	6020A	1	0.21	1.0	9.58	mg/Kg
Copper	6020A	1	0.17	2.5	20.8	mg/Kg
Lead	6020A	1	0.054	1.0	31.8	mg/Kg
Nickel	6020A	1	1.2	5.0	33.3	mg/Kg
Vanadium	6020A	1	0.28	25	25.9	mg/Kg
Zinc	6020A	1	0.70	2.5	54.8	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	10.8	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	99.4	mg/Kg
Methylene Chloride	SW8260B	1	0.0071	0.12	0.129	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.129	mg/Kg

S2@0-6"

2105228-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	2.66	mg/Kg
Barium	6020A	1	0.84	1.0	97.6	mg/Kg
Chromium	6020A	1	0.097	1.0	11.1	mg/Kg
Cobalt	6020A	1	0.21	1.0	4.71	mg/Kg
Copper	6020A	1	0.17	2.5	12.5	mg/Kg
Lead	6020A	1	0.054	1.0	18.2	mg/Kg
Nickel	6020A	1	1.2	5.0	16.7	mg/Kg
Zinc	6020A	1	0.70	2.5	44.8	mg/Kg
TPH as Motor Oil	SW8015B	1	160	500	1120	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0438	mg/Kg
2-Butanone	SW8260B	1	0.0023	0.0100	0.0128	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/31/21

S2@12-18"

2105228-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	5.51	mg/Kg
Barium	6020A	1	0.84	1.0	95.5	mg/Kg
Chromium	6020A	1	0.097	1.0	81.1	mg/Kg
Cobalt	6020A	1	0.21	1.0	13.0	mg/Kg
Copper	6020A	1	0.17	2.5	29.7	mg/Kg
Lead	6020A	1	0.054	1.0	20.7	mg/Kg
Nickel	6020A	1	1.2	5.0	75.9	mg/Kg
Vanadium	6020A	1	0.28	25	39.4	mg/Kg
Zinc	6020A	1	0.70	2.5	63.5	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	65.8	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0567	mg/Kg
2-Butanone	SW8260B	1	0.0023	0.0100	0.0223	mg/Kg

S2@24-30"

2105228-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	3.20	mg/Kg
Barium	6020A	1	0.84	1.0	54.8	mg/Kg
Chromium	6020A	1	0.097	1.0	27.6	mg/Kg
Cobalt	6020A	1	0.21	1.0	11.6	mg/Kg
Copper	6020A	1	0.17	2.5	15.4	mg/Kg
Lead	6020A	1	0.054	1.0	6.07	mg/Kg
Nickel	6020A	1	1.2	5.0	46.7	mg/Kg
Vanadium	6020A	1	0.28	25	26.9	mg/Kg
Zinc	6020A	1	0.70	2.5	29.9	mg/Kg

S3@0-6"

2105228-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	2.94	mg/Kg
Barium	6020A	1	0.84	1.0	36.4	mg/Kg
Chromium	6020A	1	0.097	1.0	11.0	mg/Kg
Cobalt	6020A	1	0.21	1.0	5.12	mg/Kg
Copper	6020A	1	0.17	2.5	5.36	mg/Kg
Lead	6020A	1	0.054	1.0	5.15	mg/Kg
Nickel	6020A	1	1.2	5.0	21.6	mg/Kg
Zinc	6020A	1	0.70	2.5	21.2	mg/Kg
TPH as Motor Oil	SW8015B	2	320	1000	3470	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0346	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/31/21

S3@12-18"

2105228-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	5.65	mg/Kg
Barium	6020A	1	0.84	1.0	86.4	mg/Kg
Chromium	6020A	1	0.097	1.0	37.9	mg/Kg
Cobalt	6020A	1	0.21	1.0	10.2	mg/Kg
Copper	6020A	1	0.17	2.5	47.0	mg/Kg
Lead	6020A	1	0.054	1.0	92.5	mg/Kg
Molybdenum	6020A	1	0.13	1.0	1.29	mg/Kg
Nickel	6020A	1	1.2	5.0	36.4	mg/Kg
Zinc	6020A	2	1.4	5.0	333	mg/Kg
TPH as Diesel	SW8015B	2	6.8	16	59.4	mg/Kg
TPH as Motor Oil	SW8015B	2	25	80	436	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0347	mg/Kg
2-Butanone	SW8260B	1	0.0023	0.0100	0.0675	mg/Kg

S3@24-30"

2105228-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	6.31	mg/Kg
Barium	6020A	1	0.84	1.0	87.5	mg/Kg
Chromium	6020A	1	0.097	1.0	45.2	mg/Kg
Cobalt	6020A	1	0.21	1.0	22.4	mg/Kg
Copper	6020A	1	0.17	2.5	29.5	mg/Kg
Lead	6020A	1	0.054	1.0	15.4	mg/Kg
Nickel	6020A	1	1.2	5.0	62.1	mg/Kg
Vanadium	6020A	1	0.28	25	40.9	mg/Kg
Zinc	6020A	1	0.70	2.5	103	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.31	mg/Kg
2-Butanone	SW8260B	1	0.0023	0.0100	0.0228	mg/Kg

S4@0-6"

2105228-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	3.70	mg/Kg
Barium	6020A	1	0.84	1.0	62.9	mg/Kg
Chromium	6020A	1	0.097	1.0	26.1	mg/Kg
Cobalt	6020A	1	0.21	1.0	8.04	mg/Kg
Copper	6020A	1	0.17	2.5	54.7	mg/Kg
Lead	6020A	1	0.054	1.0	7.24	mg/Kg
Molybdenum	6020A	1	0.13	1.0	1.65	mg/Kg
Nickel	6020A	1	1.2	5.0	19.7	mg/Kg
Vanadium	6020A	1	0.28	25	26.4	mg/Kg
Zinc	6020A	1	0.70	2.5	59.1	mg/Kg
TPH as Motor Oil	SW8015B	1	6.4	20	37.0	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/31/21

S4@12-18"

2105228-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	3.04	mg/Kg
Barium	6020A	1	0.84	1.0	23.4	mg/Kg
Chromium	6020A	1	0.097	1.0	10.0	mg/Kg
Cobalt	6020A	1	0.21	1.0	3.83	mg/Kg
Copper	6020A	1	0.17	2.5	13.3	mg/Kg
Lead	6020A	1	0.054	1.0	23.0	mg/Kg
Nickel	6020A	1	1.2	5.0	11.9	mg/Kg
Zinc	6020A	1	0.70	2.5	54.3	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	35.2	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	173	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0418	mg/Kg
2-Butanone	SW8260B	1	0.0023	0.0100	0.0181	mg/Kg

S4@30-36"

2105228-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	3.18	mg/Kg
Barium	6020A	1	0.84	1.0	20.8	mg/Kg
Chromium	6020A	1	0.097	1.0	8.35	mg/Kg
Cobalt	6020A	1	0.21	1.0	2.62	mg/Kg
Copper	6020A	1	0.17	2.5	13.1	mg/Kg
Lead	6020A	1	0.054	1.0	12.7	mg/Kg
Nickel	6020A	1	1.2	5.0	9.84	mg/Kg
Zinc	6020A	1	0.70	2.5	125	mg/Kg
TPH as Diesel	SW8015B	5	8.5	20	60.4	mg/Kg
TPH as Motor Oil	SW8015B	5	32	100	428	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0147	mg/Kg

S5@0-6"

2105228-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	1.85	mg/Kg
Barium	6020A	1	0.84	1.0	73.4	mg/Kg
Chromium	6020A	1	0.097	1.0	15.5	mg/Kg
Cobalt	6020A	1	0.21	1.0	6.69	mg/Kg
Copper	6020A	1	0.17	2.5	12.6	mg/Kg
Lead	6020A	1	0.054	1.0	15.0	mg/Kg
Nickel	6020A	1	1.2	5.0	21.0	mg/Kg
Zinc	6020A	1	0.70	2.5	34.6	mg/Kg
TPH as Motor Oil	SW8015B	1	32	100	344	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0247	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/31/21

S5@12-18"

2105228-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	3.65	mg/Kg
Chromium	6020A	1	0.097	1.0	28.7	mg/Kg
Cobalt	6020A	1	0.21	1.0	10.0	mg/Kg
Copper	6020A	1	0.17	2.5	29.2	mg/Kg
Nickel	6020A	1	1.2	5.0	34.6	mg/Kg
Barium	6020A	2	1.7	2.0	398	mg/Kg
Zinc	6020A	2	1.4	5.0	370	mg/Kg
Lead	6020A	1	0.054	1.0	23.6	mg/Kg
TPH as Motor Oil	SW8015B	1	32	100	260	mg/Kg

S5@18-24"

2105228-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	5.11	mg/Kg
Barium	6020A	1	0.84	1.0	106	mg/Kg
Chromium	6020A	1	0.097	1.0	26.0	mg/Kg
Cobalt	6020A	1	0.21	1.0	6.32	mg/Kg
Copper	6020A	1	0.17	2.5	16.2	mg/Kg
Lead	6020A	1	0.054	1.0	10.2	mg/Kg
Molybdenum	6020A	1	0.13	1.0	2.40	mg/Kg
Nickel	6020A	1	1.2	5.0	22.7	mg/Kg
Zinc	6020A	1	0.70	2.5	19.7	mg/Kg
TPH as Diesel	SW8015B	1	8.5	20	31.4	mg/Kg
TPH as Motor Oil	SW8015B	1	32	100	301	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0907	mg/Kg
2-Butanone	SW8260B	1	0.0023	0.0100	0.0555	mg/Kg

S7@0-6"

2105228-018

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	1.81	mg/Kg
Barium	6020A	1	0.84	1.0	122	mg/Kg
Chromium	6020A	1	0.097	1.0	19.5	mg/Kg
Cobalt	6020A	1	0.21	1.0	16.1	mg/Kg
Copper	6020A	1	0.17	2.5	12.5	mg/Kg
Lead	6020A	1	0.054	1.0	7.89	mg/Kg
Nickel	6020A	1	1.2	5.0	25.6	mg/Kg
Zinc	6020A	1	0.70	2.5	18.6	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0128	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/31/21

S7@12-18"

2105228-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	1.61	mg/Kg
Barium	6020A	1	0.84	1.0	110	mg/Kg
Chromium	6020A	1	0.097	1.0	24.3	mg/Kg
Cobalt	6020A	1	0.21	1.0	9.50	mg/Kg
Copper	6020A	1	0.17	2.5	12.2	mg/Kg
Lead	6020A	1	0.054	1.0	4.96	mg/Kg
Nickel	6020A	1	1.2	5.0	28.5	mg/Kg
Zinc	6020A	1	0.70	2.5	19.6	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0511	mg/Kg



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S1@0-6"	Lab Sample ID:	2105228-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	12:48	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S1@0-6"	Lab Sample ID:	2105228-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	15:17	ERR	456743
Arsenic	6020A	1	0.21	1.0	2.22		mg/Kg	05/24/21	15:17	ERR	456743
Barium	6020A	1	0.84	1.0	74.4		mg/Kg	05/24/21	15:17	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	15:17	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	15:17	ERR	456743
Chromium	6020A	1	0.097	1.0	19.4		mg/Kg	05/24/21	15:17	ERR	456743
Cobalt	6020A	1	0.21	1.0	3.73		mg/Kg	05/24/21	15:17	ERR	456743
Copper	6020A	1	0.17	2.5	94.8		mg/Kg	05/24/21	15:17	ERR	456743
Lead	6020A	1	0.054	1.0	7.91		mg/Kg	05/24/21	15:17	ERR	456743
Molybdenum	6020A	1	0.13	1.0	1.11		mg/Kg	05/24/21	15:17	ERR	456743
Nickel	6020A	1	1.2	5.0	19.4		mg/Kg	05/24/21	15:17	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	15:17	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	15:17	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	15:17	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	15:17	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S1@0-6"	Lab Sample ID:	2105228-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Zinc	6020A	2	1.4	5.0	265		mg/Kg	05/24/21	19:42	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S1@0-6"	Lab Sample ID:	2105228-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	8.5	20	ND		mg/Kg	05/27/21	16:15	MK	456881
TPH as Motor Oil	SW8015B	1	32	100	885		mg/Kg	05/27/21	16:15	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		113		%	05/27/21	16:15	MK	456881



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S1@0-6"	Lab Sample ID:	2105228-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	1:48	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	1:48	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	0.0329		mg/Kg	05/29/21	1:48	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S1@0-6"	Lab Sample ID:	2105228-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:48	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	1:48	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		137		%	05/29/21	1:48	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		86.5		%	05/29/21	1:48	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		127		%	05/29/21	1:48	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S1@0-6"	Lab Sample ID:	2105228-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	1:48	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		48.9		%	05/29/21	1:48	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S1@24-30"	Lab Sample ID:	2105228-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	12:57	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S1@24-30"	Lab Sample ID:	2105228-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	15:26	ERR	456743
Arsenic	6020A	1	0.21	1.0	5.76		mg/Kg	05/24/21	15:26	ERR	456743
Barium	6020A	1	0.84	1.0	64.7		mg/Kg	05/24/21	15:26	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	15:26	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	15:26	ERR	456743
Chromium	6020A	1	0.097	1.0	27.4		mg/Kg	05/24/21	15:26	ERR	456743
Cobalt	6020A	1	0.21	1.0	9.58		mg/Kg	05/24/21	15:26	ERR	456743
Copper	6020A	1	0.17	2.5	20.8		mg/Kg	05/24/21	15:26	ERR	456743
Lead	6020A	1	0.054	1.0	31.8		mg/Kg	05/24/21	15:26	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	15:26	ERR	456743
Nickel	6020A	1	1.2	5.0	33.3		mg/Kg	05/24/21	15:26	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	15:26	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	15:26	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	15:26	ERR	456743
Vanadium	6020A	1	0.28	25	25.9		mg/Kg	05/24/21	15:26	ERR	456743
Zinc	6020A	1	0.70	2.5	54.8		mg/Kg	05/24/21	15:26	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S1@24-30"	Lab Sample ID:	2105228-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	10.8	x	mg/Kg	05/27/21	16:40	MK	456881
TPH as Motor Oil	SW8015B	1	13	40	99.4		mg/Kg	05/27/21	16:40	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		78.8		%	05/27/21	16:40	MK	456881

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S1@24-30"	Lab Sample ID:	2105228-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	0.129		mg/Kg	05/29/21	2:16	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	2:16	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	0.129		mg/Kg	05/29/21	2:16	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S1@24-30"	Lab Sample ID:	2105228-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:16	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	2:16	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		146		%	05/29/21	2:16	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		113		%	05/29/21	2:16	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		116		%	05/29/21	2:16	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S1@24-30"	Lab Sample ID:	2105228-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	2:16	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		48.1		%	05/29/21	2:16	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S2@0-6"	Lab Sample ID:	2105228-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:03	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@0-6"	Lab Sample ID:	2105228-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	15:51	ERR	456743
Arsenic	6020A	1	0.21	1.0	2.66		mg/Kg	05/24/21	15:51	ERR	456743
Barium	6020A	1	0.84	1.0	97.6		mg/Kg	05/24/21	15:51	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	15:51	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	15:51	ERR	456743
Chromium	6020A	1	0.097	1.0	11.1		mg/Kg	05/24/21	15:51	ERR	456743
Cobalt	6020A	1	0.21	1.0	4.71		mg/Kg	05/24/21	15:51	ERR	456743
Copper	6020A	1	0.17	2.5	12.5		mg/Kg	05/24/21	15:51	ERR	456743
Lead	6020A	1	0.054	1.0	18.2		mg/Kg	05/24/21	15:51	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	15:51	ERR	456743
Nickel	6020A	1	1.2	5.0	16.7		mg/Kg	05/24/21	15:51	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	15:51	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	15:51	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	15:51	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	15:51	ERR	456743
Zinc	6020A	1	0.70	2.5	44.8		mg/Kg	05/24/21	15:51	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S2@0-6"	Lab Sample ID:	2105228-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	43	100	ND		mg/Kg	05/27/21	17:34	MK	456881
TPH as Motor Oil	SW8015B	1	160	500	1120		mg/Kg	05/27/21	17:34	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		0.000	D	%	05/27/21	17:34	MK	456881



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@0-6"	Lab Sample ID:	2105228-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	2:44	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	2:44	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	0.0438		mg/Kg	05/29/21	2:44	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@0-6"	Lab Sample ID:	2105228-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	2:44	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	0.0128		mg/Kg	05/29/21	2:44	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		144		%	05/29/21	2:44	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		114		%	05/29/21	2:44	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		119		%	05/29/21	2:44	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S2@0-6"	Lab Sample ID:	2105228-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	2:44	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		48.6		%	05/29/21	2:44	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S2@12-18"	Lab Sample ID:	2105228-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:06	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@12-18"	Lab Sample ID:	2105228-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	15:56	ERR	456743
Arsenic	6020A	1	0.21	1.0	5.51		mg/Kg	05/24/21	15:56	ERR	456743
Barium	6020A	1	0.84	1.0	95.5		mg/Kg	05/24/21	15:56	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	15:56	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	15:56	ERR	456743
Chromium	6020A	1	0.097	1.0	81.1		mg/Kg	05/24/21	15:56	ERR	456743
Cobalt	6020A	1	0.21	1.0	13.0		mg/Kg	05/24/21	15:56	ERR	456743
Copper	6020A	1	0.17	2.5	29.7		mg/Kg	05/24/21	15:56	ERR	456743
Lead	6020A	1	0.054	1.0	20.7		mg/Kg	05/24/21	15:56	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	15:56	ERR	456743
Nickel	6020A	1	1.2	5.0	75.9		mg/Kg	05/24/21	15:56	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	15:56	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	15:56	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	15:56	ERR	456743
Vanadium	6020A	1	0.28	25	39.4		mg/Kg	05/24/21	15:56	ERR	456743
Zinc	6020A	1	0.70	2.5	63.5		mg/Kg	05/24/21	15:56	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@12-18"	Lab Sample ID:	2105228-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	ND		mg/Kg	05/27/21	17:59	MK	456881
TPH as Motor Oil	SW8015B	1	13	40	65.8		mg/Kg	05/27/21	17:59	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		92.2		%	05/27/21	17:59	MK	456881



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@12-18"	Lab Sample ID:	2105228-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21 6:48:00PM
Prep Batch ID: 1132123	Prep Analyst: JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	3:12	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	3:12	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	0.0567		mg/Kg	05/29/21	3:12	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@12-18"	Lab Sample ID:	2105228-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:12	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	0.0223		mg/Kg	05/29/21	3:12	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		140		%	05/29/21	3:12	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		116		%	05/29/21	3:12	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		120		%	05/29/21	3:12	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S2@12-18"	Lab Sample ID:	2105228-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	3:12	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		50.8		%	05/29/21	3:12	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S2@24-30"	Lab Sample ID:	2105228-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:09	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@24-30"	Lab Sample ID:	2105228-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:01	ERR	456743
Arsenic	6020A	1	0.21	1.0	3.20		mg/Kg	05/24/21	16:01	ERR	456743
Barium	6020A	1	0.84	1.0	54.8		mg/Kg	05/24/21	16:01	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:01	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:01	ERR	456743
Chromium	6020A	1	0.097	1.0	27.6		mg/Kg	05/24/21	16:01	ERR	456743
Cobalt	6020A	1	0.21	1.0	11.6		mg/Kg	05/24/21	16:01	ERR	456743
Copper	6020A	1	0.17	2.5	15.4		mg/Kg	05/24/21	16:01	ERR	456743
Lead	6020A	1	0.054	1.0	6.07		mg/Kg	05/24/21	16:01	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	16:01	ERR	456743
Nickel	6020A	1	1.2	5.0	46.7		mg/Kg	05/24/21	16:01	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:01	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:01	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:01	ERR	456743
Vanadium	6020A	1	0.28	25	26.9		mg/Kg	05/24/21	16:01	ERR	456743
Zinc	6020A	1	0.70	2.5	29.9		mg/Kg	05/24/21	16:01	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S2@24-30"	Lab Sample ID:	2105228-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	05/28/21	17:42	MK	456881
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	05/28/21	17:42	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		113		%	05/28/21	17:42	MK	456881



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@24-30"	Lab Sample ID:	2105228-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	3:41	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	3:41	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S2@24-30"	Lab Sample ID:	2105228-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	3:41	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	3:41	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		138		%	05/29/21	3:41	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		117		%	05/29/21	3:41	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		116		%	05/29/21	3:41	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S2@24-30"	Lab Sample ID:	2105228-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	3:41	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		42.6	S	%	05/29/21	3:41	JZ	456915

NOTE: S-surrogate recovery outside the laboratory control limits due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S3@0-6"	Lab Sample ID:	2105228-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:18	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@0-6"	Lab Sample ID:	2105228-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst: IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:06	ERR	456743
Arsenic	6020A	1	0.21	1.0	2.94		mg/Kg	05/24/21	16:06	ERR	456743
Barium	6020A	1	0.84	1.0	36.4		mg/Kg	05/24/21	16:06	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:06	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:06	ERR	456743
Chromium	6020A	1	0.097	1.0	11.0		mg/Kg	05/24/21	16:06	ERR	456743
Cobalt	6020A	1	0.21	1.0	5.12		mg/Kg	05/24/21	16:06	ERR	456743
Copper	6020A	1	0.17	2.5	5.36		mg/Kg	05/24/21	16:06	ERR	456743
Lead	6020A	1	0.054	1.0	5.15		mg/Kg	05/24/21	16:06	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	16:06	ERR	456743
Nickel	6020A	1	1.2	5.0	21.6		mg/Kg	05/24/21	16:06	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:06	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:06	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:06	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	16:06	ERR	456743
Zinc	6020A	1	0.70	2.5	21.2		mg/Kg	05/24/21	16:06	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S3@0-6"	Lab Sample ID:	2105228-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	85	200	ND		mg/Kg	05/28/21	16:46	MK	456881
TPH as Motor Oil	SW8015B	2	320	1000	3470		mg/Kg	05/28/21	16:46	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		0.000	D	%	05/28/21	16:46	MK	456881



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@0-6"	Lab Sample ID:	2105228-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	12:12	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	12:12	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	0.0346		mg/Kg	05/29/21	12:12	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@0-6"	Lab Sample ID:	2105228-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:12	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	12:12	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		120		%	05/29/21	12:12	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		112		%	05/29/21	12:12	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		115		%	05/29/21	12:12	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S3@0-6"	Lab Sample ID:	2105228-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	12:12	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		72.6		%	05/29/21	12:12	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S3@12-18"	Lab Sample ID:	2105228-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:21	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@12-18"	Lab Sample ID:	2105228-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:11	ERR	456743
Arsenic	6020A	1	0.21	1.0	5.65		mg/Kg	05/24/21	16:11	ERR	456743
Barium	6020A	1	0.84	1.0	86.4		mg/Kg	05/24/21	16:11	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:11	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:11	ERR	456743
Chromium	6020A	1	0.097	1.0	37.9		mg/Kg	05/24/21	16:11	ERR	456743
Cobalt	6020A	1	0.21	1.0	10.2		mg/Kg	05/24/21	16:11	ERR	456743
Copper	6020A	1	0.17	2.5	47.0		mg/Kg	05/24/21	16:11	ERR	456743
Lead	6020A	1	0.054	1.0	92.5		mg/Kg	05/24/21	16:11	ERR	456743
Molybdenum	6020A	1	0.13	1.0	1.29		mg/Kg	05/24/21	16:11	ERR	456743
Nickel	6020A	1	1.2	5.0	36.4		mg/Kg	05/24/21	16:11	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:11	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:11	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:11	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	16:11	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S3@12-18"	Lab Sample ID:	2105228-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst: IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Zinc	6020A	2	1.4	5.0	333		mg/Kg	05/24/21	19:37	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@12-18"	Lab Sample ID:	2105228-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	6.8	16	59.4		mg/Kg	05/28/21	13:52	MK	456881
TPH as Motor Oil	SW8015B	2	25	80	436		mg/Kg	05/28/21	13:52	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		56.6		%	05/28/21	13:52	MK	456881

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@12-18"	Lab Sample ID:	2105228-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	12:40	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	12:40	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
cis-1,2-Dichloropropane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	0.0347		mg/Kg	05/29/21	12:40	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@12-18"	Lab Sample ID:	2105228-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	12:40	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	0.0675		mg/Kg	05/29/21	12:40	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		136		%	05/29/21	12:40	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		104		%	05/29/21	12:40	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		105		%	05/29/21	12:40	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S3@12-18"	Lab Sample ID:	2105228-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	12:40	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		38.0	S	%	05/29/21	12:40	JZ	456923

NOTE: S - Surrogate recovery out of limits; matrix effect suspected.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S3@24-30"	Lab Sample ID:	2105228-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:24	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@24-30"	Lab Sample ID:	2105228-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:15	ERR	456743
Arsenic	6020A	1	0.21	1.0	6.31		mg/Kg	05/24/21	16:15	ERR	456743
Barium	6020A	1	0.84	1.0	87.5		mg/Kg	05/24/21	16:15	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:15	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:15	ERR	456743
Chromium	6020A	1	0.097	1.0	45.2		mg/Kg	05/24/21	16:15	ERR	456743
Cobalt	6020A	1	0.21	1.0	22.4		mg/Kg	05/24/21	16:15	ERR	456743
Copper	6020A	1	0.17	2.5	29.5		mg/Kg	05/24/21	16:15	ERR	456743
Lead	6020A	1	0.054	1.0	15.4		mg/Kg	05/24/21	16:15	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	16:15	ERR	456743
Nickel	6020A	1	1.2	5.0	62.1		mg/Kg	05/24/21	16:15	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:15	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:15	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:15	ERR	456743
Vanadium	6020A	1	0.28	25	40.9		mg/Kg	05/24/21	16:15	ERR	456743
Zinc	6020A	1	0.70	2.5	103		mg/Kg	05/24/21	16:15	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@24-30"	Lab Sample ID:	2105228-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	2.31	x	mg/Kg	05/28/21	10:46	MK	456914
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	05/28/21	10:46	MK	456914
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		40.3	S	%	05/28/21	10:46	MK	456914

NOTE: x-Diesel value the result of multiple discrete peaks into Diesel range.

Surrogate outside of control limits due to possible matrix effects.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@24-30"	Lab Sample ID:	2105228-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	13:08	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	13:08	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S3@24-30"	Lab Sample ID:	2105228-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:08	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	0.0228		mg/Kg	05/29/21	13:08	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		133		%	05/29/21	13:08	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		115		%	05/29/21	13:08	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		114		%	05/29/21	13:08	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S3@24-30"	Lab Sample ID:	2105228-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	13:08	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		59.8		%	05/29/21	13:08	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@0-6"	Lab Sample ID:	2105228-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:27	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@0-6"	Lab Sample ID:	2105228-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:20	ERR	456743
Arsenic	6020A	1	0.21	1.0	3.70		mg/Kg	05/24/21	16:20	ERR	456743
Barium	6020A	1	0.84	1.0	62.9		mg/Kg	05/24/21	16:20	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:20	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:20	ERR	456743
Chromium	6020A	1	0.097	1.0	26.1		mg/Kg	05/24/21	16:20	ERR	456743
Cobalt	6020A	1	0.21	1.0	8.04		mg/Kg	05/24/21	16:20	ERR	456743
Copper	6020A	1	0.17	2.5	54.7		mg/Kg	05/24/21	16:20	ERR	456743
Lead	6020A	1	0.054	1.0	7.24		mg/Kg	05/24/21	16:20	ERR	456743
Molybdenum	6020A	1	0.13	1.0	1.65		mg/Kg	05/24/21	16:20	ERR	456743
Nickel	6020A	1	1.2	5.0	19.7		mg/Kg	05/24/21	16:20	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:20	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:20	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:20	ERR	456743
Vanadium	6020A	1	0.28	25	26.4		mg/Kg	05/24/21	16:20	ERR	456743
Zinc	6020A	1	0.70	2.5	59.1		mg/Kg	05/24/21	16:20	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@0-6"	Lab Sample ID:	2105228-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	1.7	4.0	ND		mg/Kg	05/27/21	19:13	MK	456881
TPH as Motor Oil	SW8015B	1	6.4	20	37.0		mg/Kg	05/27/21	19:13	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		91.6		%	05/27/21	19:13	MK	456881



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@0-6"	Lab Sample ID:	2105228-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21 8:19:00AM
Prep Batch ID: 1132130	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	13:37	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	13:37	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@0-6"	Lab Sample ID:	2105228-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	13:37	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	13:37	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		137		%	05/29/21	13:37	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		104		%	05/29/21	13:37	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		111		%	05/29/21	13:37	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@0-6"	Lab Sample ID:	2105228-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	13:37	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		23.8	S	%	05/29/21	13:37	JZ	456923

NOTE: S - Surrogate recovery out of limits; matrix effect suspected.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@12-18"	Lab Sample ID:	2105228-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:30	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@12-18"	Lab Sample ID:	2105228-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:25	ERR	456743
Arsenic	6020A	1	0.21	1.0	3.04		mg/Kg	05/24/21	16:25	ERR	456743
Barium	6020A	1	0.84	1.0	23.4		mg/Kg	05/24/21	16:25	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:25	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:25	ERR	456743
Chromium	6020A	1	0.097	1.0	10.0		mg/Kg	05/24/21	16:25	ERR	456743
Cobalt	6020A	1	0.21	1.0	3.83		mg/Kg	05/24/21	16:25	ERR	456743
Copper	6020A	1	0.17	2.5	13.3		mg/Kg	05/24/21	16:25	ERR	456743
Lead	6020A	1	0.054	1.0	23.0		mg/Kg	05/24/21	16:25	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	16:25	ERR	456743
Nickel	6020A	1	1.2	5.0	11.9		mg/Kg	05/24/21	16:25	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:25	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:25	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:25	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	16:25	ERR	456743
Zinc	6020A	1	0.70	2.5	54.3		mg/Kg	05/24/21	16:25	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@12-18"	Lab Sample ID:	2105228-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	35.2	x	mg/Kg	05/28/21	19:46	MK	456914
TPH as Motor Oil	SW8015B	1	13	40	173		mg/Kg	05/28/21	19:46	MK	456914
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		82.9		%	05/28/21	19:46	MK	456914

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@12-18"	Lab Sample ID:	2105228-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	4:09	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	4:09	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	0.0418		mg/Kg	05/29/21	4:09	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@12-18"	Lab Sample ID:	2105228-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	4:09	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	0.0181		mg/Kg	05/29/21	4:09	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		139		%	05/29/21	4:09	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		114		%	05/29/21	4:09	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		118		%	05/29/21	4:09	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@12-18"	Lab Sample ID:	2105228-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	4:09	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		51.7		%	05/29/21	4:09	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@30-36"	Lab Sample ID:	2105228-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:33	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@30-36"	Lab Sample ID:	2105228-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:30	ERR	456743
Arsenic	6020A	1	0.21	1.0	3.18		mg/Kg	05/24/21	16:30	ERR	456743
Barium	6020A	1	0.84	1.0	20.8		mg/Kg	05/24/21	16:30	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:30	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:30	ERR	456743
Chromium	6020A	1	0.097	1.0	8.35		mg/Kg	05/24/21	16:30	ERR	456743
Cobalt	6020A	1	0.21	1.0	2.62		mg/Kg	05/24/21	16:30	ERR	456743
Copper	6020A	1	0.17	2.5	13.1		mg/Kg	05/24/21	16:30	ERR	456743
Lead	6020A	1	0.054	1.0	12.7		mg/Kg	05/24/21	16:30	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	16:30	ERR	456743
Nickel	6020A	1	1.2	5.0	9.84		mg/Kg	05/24/21	16:30	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:30	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:30	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:30	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	16:30	ERR	456743
Zinc	6020A	1	0.70	2.5	125		mg/Kg	05/24/21	16:30	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@30-36"	Lab Sample ID:	2105228-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	5	8.5	20	60.4	x	mg/Kg	05/27/21	20:52	MK	456881
TPH as Motor Oil	SW8015B	5	32	100	428		mg/Kg	05/27/21	20:52	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		77.0		%	05/27/21	20:52	MK	456881

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@30-36"	Lab Sample ID:	2105228-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	14:05	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	14:05	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
cis-1,2-Dichloropropane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	0.0147		mg/Kg	05/29/21	14:05	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S4@30-36"	Lab Sample ID:	2105228-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21 8:19:00AM
Prep Batch ID: 1132130	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:05	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	14:05	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		133		%	05/29/21	14:05	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		111		%	05/29/21	14:05	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		111		%	05/29/21	14:05	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S4@30-36"	Lab Sample ID:	2105228-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	14:05	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		58.6		%	05/29/21	14:05	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@0-6"	Lab Sample ID:	2105228-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:39	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@0-6"	Lab Sample ID:	2105228-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:49	ERR	456743
Arsenic	6020A	1	0.21	1.0	1.85		mg/Kg	05/24/21	16:49	ERR	456743
Barium	6020A	1	0.84	1.0	73.4		mg/Kg	05/24/21	16:49	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:49	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:49	ERR	456743
Chromium	6020A	1	0.097	1.0	15.5		mg/Kg	05/24/21	16:49	ERR	456743
Cobalt	6020A	1	0.21	1.0	6.69		mg/Kg	05/24/21	16:49	ERR	456743
Copper	6020A	1	0.17	2.5	12.6		mg/Kg	05/24/21	16:49	ERR	456743
Lead	6020A	1	0.054	1.0	15.0		mg/Kg	05/24/21	16:49	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	16:49	ERR	456743
Nickel	6020A	1	1.2	5.0	21.0		mg/Kg	05/24/21	16:49	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:49	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:49	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:49	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	16:49	ERR	456743
Zinc	6020A	1	0.70	2.5	34.6		mg/Kg	05/24/21	16:49	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@0-6"	Lab Sample ID:	2105228-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	8.5	20	ND		mg/Kg	05/27/21	20:28	MK	456881
TPH as Motor Oil	SW8015B	1	32	100	344		mg/Kg	05/27/21	20:28	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		124		%	05/27/21	20:28	MK	456881



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@0-6"	Lab Sample ID:	2105228-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	14:33	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	14:33	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
cis-1,2-Dichloropropane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	0.0247		mg/Kg	05/29/21	14:33	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@0-6"	Lab Sample ID:	2105228-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	14:33	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	14:33	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		117		%	05/29/21	14:33	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		107		%	05/29/21	14:33	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		108		%	05/29/21	14:33	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@0-6"	Lab Sample ID:	2105228-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	14:33	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		85.5		%	05/29/21	14:33	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@12-18"	Lab Sample ID:	2105228-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:42	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@12-18"	Lab Sample ID:	2105228-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:54	ERR	456743
Arsenic	6020A	1	0.21	1.0	3.65		mg/Kg	05/24/21	16:54	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:54	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:54	ERR	456743
Chromium	6020A	1	0.097	1.0	28.7		mg/Kg	05/24/21	16:54	ERR	456743
Cobalt	6020A	1	0.21	1.0	10.0		mg/Kg	05/24/21	16:54	ERR	456743
Copper	6020A	1	0.17	2.5	29.2		mg/Kg	05/24/21	16:54	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	16:54	ERR	456743
Nickel	6020A	1	1.2	5.0	34.6		mg/Kg	05/24/21	16:54	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:54	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:54	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:54	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	16:54	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@12-18"	Lab Sample ID:	2105228-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Barium	6020A	2	1.7	2.0	398		mg/Kg	05/24/21	19:47	ERR	456743
Zinc	6020A	2	1.4	5.0	370		mg/Kg	05/24/21	19:47	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@12-18"	Lab Sample ID:	2105228-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	8.5	20	ND		mg/Kg	05/28/21	20:11	MK	456914
TPH as Motor Oil	SW8015B	1	32	100	260		mg/Kg	05/28/21	20:11	MK	456914
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		98.7		%	05/28/21	20:11	MK	456914



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@12-18"	Lab Sample ID:	2105228-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	15:01	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	15:01	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@12-18"	Lab Sample ID:	2105228-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:01	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	15:01	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		132		%	05/29/21	15:01	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		108		%	05/29/21	15:01	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		109		%	05/29/21	15:01	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@12-18"	Lab Sample ID:	2105228-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	15:01	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		81.0		%	05/29/21	15:01	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@12-18"	Lab Sample ID:	2105228-013B
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 6/11/21	9:00:00AM
Prep Batch ID: 1132436	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	6020A	1	0.054	1.0	23.6		mg/Kg	06/11/21	2:01	ERR	457202



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@18-24"	Lab Sample ID:	2105228-014A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:45	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@18-24"	Lab Sample ID:	2105228-014A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	16:59	ERR	456743
Arsenic	6020A	1	0.21	1.0	5.11		mg/Kg	05/24/21	16:59	ERR	456743
Barium	6020A	1	0.84	1.0	106		mg/Kg	05/24/21	16:59	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	16:59	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	16:59	ERR	456743
Chromium	6020A	1	0.097	1.0	26.0		mg/Kg	05/24/21	16:59	ERR	456743
Cobalt	6020A	1	0.21	1.0	6.32		mg/Kg	05/24/21	16:59	ERR	456743
Copper	6020A	1	0.17	2.5	16.2		mg/Kg	05/24/21	16:59	ERR	456743
Lead	6020A	1	0.054	1.0	10.2		mg/Kg	05/24/21	16:59	ERR	456743
Molybdenum	6020A	1	0.13	1.0	2.40		mg/Kg	05/24/21	16:59	ERR	456743
Nickel	6020A	1	1.2	5.0	22.7		mg/Kg	05/24/21	16:59	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	16:59	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	16:59	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	16:59	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	16:59	ERR	456743
Zinc	6020A	1	0.70	2.5	19.7		mg/Kg	05/24/21	16:59	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@18-24"	Lab Sample ID:	2105228-014A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	8.5	20	31.4	x	mg/Kg	05/27/21	21:17	MK	456881
TPH as Motor Oil	SW8015B	1	32	100	301		mg/Kg	05/27/21	21:17	MK	456881
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		128		%	05/27/21	21:17	MK	456881

NOTE: x-Diesel value the result of possible trace level of diesel and overlap of Oil range organics into Diesel range



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@18-24"	Lab Sample ID:	2105228-014A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	15:29	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	15:29	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	0.0907		mg/Kg	05/29/21	15:29	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S5@18-24"	Lab Sample ID:	2105228-014A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:29	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	0.0555		mg/Kg	05/29/21	15:29	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		137		%	05/29/21	15:29	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		118		%	05/29/21	15:29	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		116		%	05/29/21	15:29	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S5@18-24"	Lab Sample ID:	2105228-014A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	15:29	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		50.3		%	05/29/21	15:29	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S7@0-6"	Lab Sample ID:	2105228-018A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:54	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S7@0-6"	Lab Sample ID:	2105228-018A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	17:04	ERR	456743
Arsenic	6020A	1	0.21	1.0	1.81		mg/Kg	05/24/21	17:04	ERR	456743
Barium	6020A	1	0.84	1.0	122		mg/Kg	05/24/21	17:04	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	17:04	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	17:04	ERR	456743
Chromium	6020A	1	0.097	1.0	19.5		mg/Kg	05/24/21	17:04	ERR	456743
Cobalt	6020A	1	0.21	1.0	16.1		mg/Kg	05/24/21	17:04	ERR	456743
Copper	6020A	1	0.17	2.5	12.5		mg/Kg	05/24/21	17:04	ERR	456743
Lead	6020A	1	0.054	1.0	7.89		mg/Kg	05/24/21	17:04	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	17:04	ERR	456743
Nickel	6020A	1	1.2	5.0	25.6		mg/Kg	05/24/21	17:04	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	17:04	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	17:04	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	17:04	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	17:04	ERR	456743
Zinc	6020A	1	0.70	2.5	18.6		mg/Kg	05/24/21	17:04	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S7@0-6"	Lab Sample ID:	2105228-018A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	05/28/21	21:00	MK	456914
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	05/28/21	21:00	MK	456914
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		106		%	05/28/21	21:00	MK	456914



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S7@0-6"	Lab Sample ID:	2105228-018A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	15:57	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	15:57	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	0.0128		mg/Kg	05/29/21	15:57	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S7@0-6"	Lab Sample ID:	2105228-018A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	15:57	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	15:57	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		164	S	%	05/29/21	15:57	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		98.8		%	05/29/21	15:57	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		110		%	05/29/21	15:57	JZ	456923

NOTE: S-Surrogate recovery out of laboratory control limit-high bias. Data deemed acceptable as no associated target analytes were observed in the sample. No corrective action required.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S7@0-6"	Lab Sample ID:	2105228-018A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	15:57	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		12.7	S	%	05/29/21	15:57	JZ	456923

NOTE: S – Surrogate recovery out of limits. Matrix effect suspected.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S7@12-18"	Lab Sample ID:	2105228-019A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131907	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	13:57	BJAY	456749



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S7@12-18"	Lab Sample ID:	2105228-019A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/22/21	1:30:00PM
Prep Batch ID: 1131876	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	17:09	ERR	456743
Arsenic	6020A	1	0.21	1.0	1.61		mg/Kg	05/24/21	17:09	ERR	456743
Barium	6020A	1	0.84	1.0	110		mg/Kg	05/24/21	17:09	ERR	456743
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	17:09	ERR	456743
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	17:09	ERR	456743
Chromium	6020A	1	0.097	1.0	24.3		mg/Kg	05/24/21	17:09	ERR	456743
Cobalt	6020A	1	0.21	1.0	9.50		mg/Kg	05/24/21	17:09	ERR	456743
Copper	6020A	1	0.17	2.5	12.2		mg/Kg	05/24/21	17:09	ERR	456743
Lead	6020A	1	0.054	1.0	4.96		mg/Kg	05/24/21	17:09	ERR	456743
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	17:09	ERR	456743
Nickel	6020A	1	1.2	5.0	28.5		mg/Kg	05/24/21	17:09	ERR	456743
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	17:09	ERR	456743
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	17:09	ERR	456743
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	17:09	ERR	456743
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	17:09	ERR	456743
Zinc	6020A	1	0.70	2.5	19.6		mg/Kg	05/24/21	17:09	ERR	456743



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S7@12-18"	Lab Sample ID:	2105228-019A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/26/21 6:36:00PM
Prep Batch ID: 1132025	Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	ND		mg/Kg	05/28/21	21:25	MK	456914
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	05/28/21	21:25	MK	456914
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		114		%	05/28/21	21:25	MK	456914



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S7@12-18"	Lab Sample ID:	2105228-019A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	16:25	JZ	456923
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	16:25	JZ	456923
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Toluene	SW8260B	1	0.0018	0.010	0.0511		mg/Kg	05/29/21	16:25	JZ	456923
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/31/21

Client Sample ID:	S7@12-18"	Lab Sample ID:	2105228-019A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	8:19:00AM
Prep Batch ID: 1132130	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	16:25	JZ	456923
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	16:25	JZ	456923
(S) Dibromofluoromethane	SW8260B		59.8 - 148		122		%	05/29/21	16:25	JZ	456923
(S) Toluene-d8	SW8260B		55.2 - 133		105		%	05/29/21	16:25	JZ	456923
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		104		%	05/29/21	16:25	JZ	456923



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/31/21

Client Sample ID:	S7@12-18"	Lab Sample ID:	2105228-019A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/29/21	8:19:00AM
Prep Batch ID: 1132131	Prep Analyst:	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	16:25	JZ	456923
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		53.7		%	05/29/21	16:25	JZ	456923



MB Summary Report

Work Order:	2105228	Prep Method:	6020S-P	Prep Date:	05/22/21	Prep Batch:	1131876
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	5/24/2021	Analytical Batch:	456743
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.12	1.0	ND	
Arsenic	0.21	1.0	ND	
Barium	0.84	1.0	ND	
Beryllium	0.16	1.0	ND	
Cadmium	0.084	1.0	ND	
Chromium	0.097	1.0	ND	
Cobalt	0.21	1.0	ND	
Copper	0.17	2.5	ND	
Lead	0.054	1.0	ND	
Molybdenum	0.13	1.0	ND	
Nickel	1.2	5.0	ND	
Selenium	0.035	2.5	ND	
Silver	0.098	1.0	ND	
Thallium	1.00	5.0	ND	
Vanadium	0.28	25	ND	
Zinc	0.70	2.5	ND	

Work Order:	2105228	Prep Method:	7471BP	Prep Date:	05/24/21	Prep Batch:	1131907
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	5/25/2021	Analytical Batch:	456749
Units:	mg/Kg						

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

Work Order:	2105228	Prep Method:	3546_TPH	Prep Date:	05/26/21	Prep Batch:	1132025
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	5/27/2021	Analytical Batch:	456881
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	
TPH as Motor Oil	3.2	10	ND	
Pentacosane (S)			104	



MB Summary Report

Work Order:	2105228	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132123
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	120	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
TBA	12	50	ND	
Diisopropyl ether	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
Ethyl tert-Butyl ether	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropene	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethylbenzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	3.8	
Styrene	1.6	10	2.8	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	3.3	



MB Summary Report

Work Order:	2105228	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132123
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	1.9	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	1.9	
1,3,5-Trimethylbenzene	1.6	10	2.3	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	1.8	
1,2,4-Trimethylbenzene	1.4	10	2.9	
sec-Butyl Benzene	1.6	10	2.1	
p-Isopropyltoluene	1.5	10	4.1	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	1.5	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	4.5	
Naphthalene	1.7	10	4.1	
1,2,3-Trichlorobenzene	1.7	10	2.1	
2-Butanone	2.3	10	5.2	
(S) Dibromofluoromethane			111	
(S) Toluene-d8			106	
(S) 4-Bromofluorobenzene			105	

Work Order:	2105228	Prep Method:	5035GRO	Prep Date:	05/28/21	Prep Batch:	1132124
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	43	100	45	
(S) 4-Bromofluorobenzene			89.7	



MB Summary Report

Work Order:	2105228	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132130
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/29/2021	Analytical Batch:	456923
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.0012	0.010	ND	
Chloromethane	0.0018	0.010	ND	
Vinyl Chloride	0.0020	0.010	ND	
Bromomethane	0.0027	0.010	ND	
Chloroethane	0.0030	0.010	ND	
Trichlorofluoromethane	0.0021	0.010	ND	
1,1-Dichloroethene	0.0020	0.010	ND	
Freon 113	0.0019	0.010	ND	
Methylene Chloride	0.0071	0.12	ND	
trans-1,2-Dichloroethene	0.0021	0.010	ND	
MTBE	0.0023	0.010	ND	
TBA	0.012	0.050	ND	
Diisopropyl ether	0.0023	0.010	ND	
1,1-Dichloroethane	0.0022	0.010	ND	
Ethyl tert-Butyl ether	0.0023	0.010	ND	
cis-1,2-Dichloroethene	0.0022	0.010	ND	
2,2-Dichloropropane	0.0019	0.010	ND	
Bromochloromethane	0.0023	0.010	ND	
Chloroform	0.0024	0.010	ND	
Carbon Tetrachloride	0.0021	0.010	ND	
1,1,1-Trichloroethane	0.0021	0.010	ND	
1,1-Dichloropropene	0.0020	0.010	ND	
Benzene	0.0022	0.010	ND	
TAME	0.0023	0.010	ND	
1,2-Dichloroethane	0.0023	0.010	ND	
Trichloroethylene	0.0018	0.010	ND	
Dibromomethane	0.0018	0.010	ND	
1,2-Dichloropropane	0.0019	0.010	ND	
Bromodichloromethane	0.0020	0.010	ND	
cis-1,3-Dichloropropene	0.0016	0.010	ND	
Toluene	0.0018	0.010	ND	
Tetrachloroethene	0.0017	0.010	ND	
trans-1,3-Dichloropropene	0.0016	0.010	ND	
1,1,2-Trichloroethane	0.0018	0.010	ND	
Dibromochloromethane	0.0019	0.010	ND	
1,3-Dichloropropene	0.0018	0.010	ND	
1,2-Dibromoethane	0.0018	0.010	ND	
Chlorobenzene	0.0018	0.010	ND	
Ethylbenzene	0.0017	0.010	ND	
1,1,1,2-Tetrachloroethane	0.0019	0.010	ND	
m,p-Xylene	0.0032	0.010	ND	
o-Xylene	0.0017	0.010	0.0038	
Styrene	0.0016	0.010	0.0028	
Bromoform	0.0017	0.010	ND	
Isopropyl Benzene	0.0016	0.010	0.0033	



MB Summary Report

Work Order:	2105228	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132130
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/29/2021	Analytical Batch:	456923
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
n-Propylbenzene	0.0016	0.010	0.0018		
Bromobenzene	0.0018	0.010	ND		
1,1,2,2-Tetrachloroethane	0.0019	0.010	ND		
2-Chlorotoluene	0.0018	0.010	0.0019		
1,3,5-Trimethylbenzene	0.0016	0.010	0.0023		
1,2,3-Trichloropropane	0.0019	0.010	ND		
4-Chlorotoluene	0.0016	0.010	ND		
tert-Butylbenzene	0.0016	0.010	0.0018		
1,2,4-Trimethylbenzene	0.0014	0.010	0.0028		
sec-Butyl Benzene	0.0016	0.010	0.0021		
p-Isopropyltoluene	0.0015	0.010	0.0041		
1,3-Dichlorobenzene	0.0017	0.010	ND		
1,4-Dichlorobenzene	0.0017	0.010	ND		
n-Butylbenzene	0.0015	0.010	0.0015		
1,2-Dichlorobenzene	0.0018	0.010	ND		
1,2-Dibromo-3-Chloropropane	0.0018	0.010	ND		
Hexachlorobutadiene	0.0014	0.010	ND		
1,2,4-Trichlorobenzene	0.0015	0.010	0.0045		
Naphthalene	0.0017	0.010	0.0041		
1,2,3-Trichlorobenzene	0.0017	0.010	0.0021		
2-Butanone	0.0023	0.010	0.0054		
(S) Dibromofluoromethane			109		
(S) Toluene-d8			104		
(S) 4-Bromofluorobenzene			103		

Work Order:	2105228	Prep Method:	5035GRO	Prep Date:	05/29/21	Prep Batch:	1132131
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/29/2021	Analytical Batch:	456923
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Gasoline	43	100	ND		
(S) 4-Bromofluorobenzene			98.5		

Work Order:	2105228	Prep Method:	6020S-P	Prep Date:	06/11/21	Prep Batch:	1132436
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	6/11/2021	Analytical Batch:	457202
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Lead	0.054	1.0	ND		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105228	Prep Method:	6020S-P	Prep Date:	05/22/21	Prep Batch:	1131876
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	5/24/2021	Analytical Batch:	456743
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.12	1.0	ND	25	94.7	93.9	0.847	80 - 120	30	
Arsenic	0.21	1.0	ND	25	94.6	94.6	0.423	80 - 120	30	
Barium	0.84	1.0	ND	25	95.8	97.1	1.24	80 - 120	30	
Beryllium	0.16	1.0	ND	25	96.4	96.4	0.000	80 - 120	30	
Cadmium	0.084	1.0	ND	25	95.3	96.0	0.837	80 - 120	30	
Chromium	0.097	1.0	ND	25	96.9	96.5	0.414	80 - 120	30	
Cobalt	0.21	1.0	ND	25	97.0	96.9	0.000	80 - 120	30	
Copper	0.17	2.5	ND	25	94.3	94.4	0.000	80 - 120	30	
Lead	0.054	1.0	ND	25	96.6	98.3	1.64	80 - 120	30	
Molybdenum	0.13	1.0	ND	25	96.5	95.5	0.833	80 - 120	30	
Nickel	1.2	5.0	ND	25	94.1	94.5	0.425	80 - 120	30	
Selenium	0.035	2.5	ND	25	94.7	93.8	0.847	80 - 120	30	
Silver	0.098	1.0	ND	25	105	103	1.93	80 - 120	30	
Thallium	1.00	5.0	ND	25	99.4	101	1.20	80 - 120	30	
Vanadium	0.28	25	ND	25	97.0	97.0	0.412	80 - 120	30	
Zinc	0.70	2.5	ND	25	93.7	94.0	0.426	80 - 120	30	

Work Order:	2105228	Prep Method:	7471BP	Prep Date:	05/24/21	Prep Batch:	1131907
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	5/25/2021	Analytical Batch:	456749
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	116	117	1.38	80 - 120	30	

Work Order:	2105228	Prep Method:	3546_TPH	Prep Date:	05/26/21	Prep Batch:	1132025
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	5/27/2021	Analytical Batch:	456881
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	25.0	84.4	77.8	7.88	52 - 115	30	
Pentacosane (S)				200	95.8	88.0		45 - 130		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105228	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132123
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	111	105	5.37	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	116	114	1.39	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	112	110	2.34	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	119	114	4.81	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	109	107	2.22	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	112	109		59.8 - 148		
(S) Toluene-d8				50.0	111	110		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	110	110		55.8 - 141		

Work Order:	2105228	Prep Method:	5035GRO	Prep Date:	05/28/21	Prep Batch:	1132124
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/29/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	45	1000	93.9	83.5	11.7	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	95.5	93.5		43.9 - 127		

Work Order:	2105228	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132130
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/29/2021	Analytical Batch:	456923
Units:	mg/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	0.0020	0.010	ND	0.0500	94.9	92.0	3.00	53.7 - 139	30	
Benzene	0.0022	0.010	ND	0.0500	101	97.2	4.03	66.5 - 135	30	
Trichloroethylene	0.0018	0.010	ND	0.0500	98.3	97.8	0.408	57.5 - 150	30	
Toluene	0.0018	0.010	ND	0.0500	106	109	2.79	56.8 - 134	30	
Chlorobenzene	0.0018	0.010	ND	0.0500	102	103	1.17	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	98.9	95.6		59.8 - 148		
(S) Toluene-d8				50.0	104	103		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	102	99.1		55.8 - 141		

Work Order:	2105228	Prep Method:	5035GRO	Prep Date:	05/29/21	Prep Batch:	1132131
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/29/2021	Analytical Batch:	456923
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	ND	1000	109	101	7.62	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	95.9	92.6		43.9 - 127		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105228	Prep Method:	6020S-P	Prep Date:	06/11/21	Prep Batch:	1132436
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	6/11/2021	Analytical Batch:	457202
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.054	1.0	ND	25	101	97.3	4.03	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105228	Prep Method:	6020S-P	Prep Date:	05/22/21	Prep Batch:	1131876
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	5/24/2021	Analytical Batch:	456743
Spiked Sample:	2105228-002A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.12	1.0	ND	25	53.9	48.8	10.1	30.7 - 130	33	
Arsenic	0.21	1.0	5.76	25	96.5	94.8	1.35	71.0 - 121	33	
Barium	0.84	1.0	64.7	25	173	189	3.64	70.2 - 130	33	S
Beryllium	0.16	1.0	ND	25	96.5	97.4	0.813	73.3 - 125	33	
Cadmium	0.084	1.0	ND	25	98.3	99.3	0.803	88.7 - 110	33	
Chromium	0.097	1.0	27.4	25	107	103	2.05	76.0 - 116	33	
Cobalt	0.21	1.0	9.58	25	95.8	93.8	1.50	57.4 - 122	33	
Copper	0.17	2.5	20.8	25	113	123	4.98	74.8 - 119	33	S
Lead	0.054	1.0	31.8	25	114	99.3	6.33	57.9 - 118	33	
Molybdenum	0.13	1.0	ND	25	85.6	86.6	0.913	62.9 - 123	33	
Nickel	1.2	5.0	33.3	25	110	108	1.16	61.5 - 122	33	
Selenium	0.035	2.5	ND	25	81.2	85.0	4.61	62.0 - 111	33	
Silver	0.098	1.0	ND	25	75.1	75.7	0.531	81.1 - 109	33	S
Thallium	1.00	5.0	ND	25	85.7	85.6	0.000	39.2 - 125	33	
Vanadium	0.28	25	25.9	25	118	105	6.13	65.8 - 122	33	
Zinc	0.70	2.5	54.8	25	118	119	0.237	59.9 - 122	33	

Work Order:	2105228	Prep Method:	7471BP	Prep Date:	05/24/21	Prep Batch:	1131907
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	5/25/2021	Analytical Batch:	456749
Spiked Sample:	2105228-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	106	97.7	8.12	75 - 125	30	

Work Order:	2105228	Prep Method:	3546_TPH	Prep Date:	05/26/21	Prep Batch:	1132025
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	5/28/2021	Analytical Batch:	456881
Spiked Sample:	2105228-011A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	8.50	20.0	60.4	25.0	0	-4.94	5.02	52 - 115	30	S
Pentacosane (S)				100	59.3	59.3		45 - 130		



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105228	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132123
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/29/2021	Analytical Batch:	456915
Spiked Sample:	2105228-010A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.0020	0.010	ND	0.05	90.2	99.9	10.1	55 - 125	30	
Benzene	0.0022	0.010	ND	0.05	107	116	8.07	55 - 125	30	
Trichloroethylene	0.0018	0.010	ND	0.05	105	113	7.69	55 - 125	30	
Toluene	0.0018	0.010	0.0418	0.05	54.2	60.8	4.68	55 - 125	30	S
Chlorobenzene	0.0018	0.010	ND	0.05	96.5	106	9.67	55 - 125	30	
(S) Dibromofluoromethane				50	126	123		59.8 - 148		
(S) Toluene-d8				50	119	114		55.2 - 133		
(S) 4-Bromofluorobenzene				50	116	121		55.8 - 141		

Work Order:	2105228	Prep Method:	6020S-P	Prep Date:	06/11/21	Prep Batch:	1132436
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	6/11/2021	Analytical Batch:	457202
Spiked Sample:	2105228-013B						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.054	1.0	23.6	25	30.5	29.4	0.643	57.9 - 118	33	S



Duplicate QC Summary Report

Work Order: 2105228	Prep Method: 6020S-P	Prep Date: 6/11/2021	Prep Batch: 1132436
Matrix:	Analytical Method: 6020A	Analyzed Date: 06/11/21	Analytical Batch: 457202
Units:	Lab Sample ID: 2105228-013B-DUP-1132436		

Parameters	<u>MDL</u>	<u>PQL</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>% RPD</u>
Lead	0.054	1.0	23.6	23.8	0.85



Laboratory Qualifiers and Definitions

DEFINITIONS:

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

LABORATORY QUALIFIERS:

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



Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Date and Time Received: 5/21/2021 2:00:00PM

Project Name: D Street

Received By: NG

Work Order No.: 2105228

Physically Logged By: Katherene Evans

Checklist Completed By: Katherene Evans

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	<u>Yes</u>
Chain of custody signed when relinquished and received?	<u>Yes</u>
Chain of custody agrees with sample labels?	<u>No</u>
Custody seals intact on sample bottles?	<u>Not Present</u>

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>	
Container/Temp Blank temperature in compliance?	<u>No</u>	Temperature: 12.0 °C
Water-VOA vials have zero headspace?		
Water-pH acceptable upon receipt?		
pH Checked by: na		pH Adjusted by: na

Comments:

Samples rec'd on ice
--Did not receive samples S6@0-6", S6@12-36", and S6@30-36" as indicated on the CoC. Per client, those should not have been on CoC.



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 6/14/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : **2105228**

<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>
2105228-001A	S1@0-6"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod) Met_S_6010B CAM17	
2105228-002A	S1@24-30"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-003A	S2@0-6"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-004A	S2@12-18"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-005A	S2@24-30"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-006A	S3@0-6"	05/20/21	Soil	11/16/21			Hg_S_7471B	



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 6/14/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : **2105228**

<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>
2105228-007A	S3@12-18"	05/20/21	Soil	11/16/21			Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-008A	S3@24-30"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod) Met_S_6010B CAM17	
2105228-009A	S4@0-6"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-010A	S4@12-18"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-011A	S4@30-36"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
							Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg	



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 6/14/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : 2105228

<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>
2105228-012A	S5@0-6"	05/20/21	Soil	11/16/21			VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-013A	S5@12-18"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-013B	S5@12-18"	05/20/21	Soil	11/16/21			Met_S_6010B CAM17	
2105228-014A	S5@18-24"	05/20/21	Soil	11/16/21			Met_S_6020AsPb	
2105228-018A	S7@0-6"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
2105228-019A	S7@12-18"	05/20/21	Soil	11/16/21			Hg_S_7471B Met_S_6020CAM17 VOC_S_GRO mg/Kg VOC_S_8260B mg/Kg TPHDO_S_8015(Mod)	
							Hg_S_7471B TPHDO_S_8015(Mod)	



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 6/14/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : **2105228**

<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>
							VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg Met_S_6020CAM17	



CHAIN OF CUSTODY RECORD

2105228

PROJECT NUMBER P2021.000.416		PROJECT NAME D STREET					SAMPLING METHOD CAM-17 (EPA 6020 7471) TPH-g & VOCs (EPA 8260) TPH-d/lmo (EPA 8015)			REMARKS REQUIRED DETECTION LIMITS
SAMPLED BY: (SIGNATURE/PRINT) CHRIS CHENG, STEPHEN FALLON										
PROJECT MANAGER: (SIGNATURE/PRINT) STEPHEN FALLON										
ROUTING: E-MAIL rpeck@engeo.com, ccheng@engeo.com, sfallon@engeo.com										
SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE				
S1 @ 0-6"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	001A
S1 @ 24-30"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	002A
S2 @ 0-6"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	003A
S2 @ 12-18"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	004A
S2 @ 24-30"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	005A
S3 @ 0-6"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	006A
S3 @ 12-18"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	007A
S3 @ 24-30"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	008A
S4 @ 0-6"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	009A
S4 @ 12-18"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	010A
S4 @ 30-36"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	011A
S5 @ 0-6"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	012A
S5 @ 12-18"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	013A
S5 @ 18-24"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	014A
S6 @ 0-6"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	015A Temp 12°C
S6 @ 12-36"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	# 2
S6 @ 30-36"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	016A
S7 @ 0-6"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	017A
S7 @ 12-18"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	018A
										019A
RELINQUISHED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)		
			5/20/21 6:45 PM				5/21/21 2:00 PM	NAVIN G.		
RELINQUISHED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)			DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)			DATE/TIME	REMARKS		



FedEx City

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 (925) 866-9000 FAX (888) 279-2698
 WWW.ENGEO.COM

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

Work Order No.: 2105229

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 16 sample(s) on May 21, 2021 for the analyses presented in the following Report.

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

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

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

Patti L Sandrock
QA Officer

May 30, 2021

Date



Date: 5/30/2021

Client: Engeo (San Ramon)

Project: D Street

Work Order: 2105229

CASE NARRATIVE

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

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

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

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

Analytical Comments for method SW6020, 2105229-002A MS/MSD, QC Preparation Batch ID 1131903, Note: The % recoveries for Barium and Silver are outside of laboratory control limits but RPD is within limits. The associated LCS/LCSD is within both % Recovery and RPD limits. No corrective action required.



Sample Result Summary

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/30/21

S7@18-24"

2105229-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	5.02	mg/Kg
Barium	6020A	1	0.84	1.0	99.0	mg/Kg
Chromium	6020A	1	0.097	1.0	40.2	mg/Kg
Cobalt	6020A	1	0.21	1.0	13.9	mg/Kg
Copper	6020A	1	0.17	2.5	21.8	mg/Kg
Lead	6020A	1	0.054	1.0	8.13	mg/Kg
Nickel	6020A	1	1.2	5.0	63.8	mg/Kg
Vanadium	6020A	1	0.28	25	37.7	mg/Kg
Zinc	6020A	1	0.70	2.5	44.3	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.39	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0243	mg/Kg

S8@0-6"

2105229-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	2.53	mg/Kg
Barium	6020A	1	0.84	1.0	92.0	mg/Kg
Chromium	6020A	1	0.097	1.0	19.7	mg/Kg
Cobalt	6020A	1	0.21	1.0	13.5	mg/Kg
Copper	6020A	1	0.17	2.5	11.4	mg/Kg
Lead	6020A	1	0.054	1.0	24.8	mg/Kg
Nickel	6020A	1	1.2	5.0	14.5	mg/Kg
Zinc	6020A	1	0.70	2.5	20.6	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	4.18	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	13.6	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0979	mg/Kg

S8@12-18"

2105229-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	1.11	mg/Kg
Barium	6020A	1	0.84	1.0	57.0	mg/Kg
Chromium	6020A	1	0.097	1.0	21.2	mg/Kg
Cobalt	6020A	1	0.21	1.0	4.51	mg/Kg
Copper	6020A	1	0.17	2.5	4.81	mg/Kg
Lead	6020A	1	0.054	1.0	6.97	mg/Kg
Nickel	6020A	1	1.2	5.0	14.5	mg/Kg
Zinc	6020A	1	0.70	2.5	13.9	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	3.59	mg/Kg
Toluene	SW8260B	1	0.0018	0.010	0.0248	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/30/21

S8@30-36"

2105229-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	1.16	mg/Kg
Barium	6020A	1	0.84	1.0	77.9	mg/Kg
Chromium	6020A	1	0.097	1.0	16.0	mg/Kg
Cobalt	6020A	1	0.21	1.0	7.40	mg/Kg
Copper	6020A	1	0.17	2.5	6.10	mg/Kg
Lead	6020A	1	0.054	1.0	5.00	mg/Kg
Nickel	6020A	1	1.2	5.0	11.2	mg/Kg
Zinc	6020A	1	0.70	2.5	8.86	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	5.07	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	26.4	mg/Kg

S9

2105229-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	3.50	mg/Kg
Barium	6020A	1	0.84	1.0	161	mg/Kg
Cadmium	6020A	1	0.084	1.0	2.22	mg/Kg
Chromium	6020A	1	0.097	1.0	30.0	mg/Kg
Cobalt	6020A	1	0.21	1.0	10.1	mg/Kg
Copper	6020A	1	0.17	2.5	69.1	mg/Kg
Lead	6020A	1	0.054	1.0	214	mg/Kg
Nickel	6020A	1	1.2	5.0	25.5	mg/Kg
Vanadium	6020A	1	0.28	25	25.9	mg/Kg
Zinc	6020A	5	3.5	13	453	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	23.8	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	177	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/30/21

S10

2105229-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	6020A	1	0.12	1.0	6.86	mg/Kg
Arsenic	6020A	1	0.21	1.0	7.45	mg/Kg
Cadmium	6020A	1	0.084	1.0	8.53	mg/Kg
Chromium	6020A	1	0.097	1.0	33.8	mg/Kg
Cobalt	6020A	1	0.21	1.0	14.1	mg/Kg
Copper	6020A	1	0.17	2.5	255	mg/Kg
Nickel	6020A	1	1.2	5.0	37.3	mg/Kg
Vanadium	6020A	1	0.28	25	25.4	mg/Kg
Barium	6020A	20	17	20	480	mg/Kg
Lead	6020A	20	1.1	20	1230	mg/Kg
Zinc	6020A	20	14	50	2860	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	36.8	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	322	mg/Kg
Phenanthrene	SW8270C	10	0.093	2.0	0.0990	mg/Kg
Fluoranthene	SW8270C	10	0.10	2.0	0.145	mg/Kg
Pyrene	SW8270C	10	0.12	2.0	0.157	mg/Kg
Benz[a]anthracene	SW8270C	10	0.098	2.0	0.181	mg/Kg
Chrysene	SW8270C	10	0.15	2.0	0.271	mg/Kg
Benzo[b]fluoranthene	SW8270C	10	0.12	2.0	0.414	mg/Kg
Benzo[k]fluoranthene	SW8270C	10	0.081	2.0	0.147	mg/Kg
Benzo[a]pyrene	SW8270C	10	0.098	2.0	0.224	mg/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.14	2.0	0.185	mg/Kg

S11

2105229-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	6.56	mg/Kg
Barium	6020A	1	0.84	1.0	100	mg/Kg
Chromium	6020A	1	0.097	1.0	26.1	mg/Kg
Cobalt	6020A	1	0.21	1.0	9.06	mg/Kg
Copper	6020A	1	0.17	2.5	29.9	mg/Kg
Lead	6020A	1	0.054	1.0	95.3	mg/Kg
Nickel	6020A	1	1.2	5.0	28.3	mg/Kg
Zinc	6020A	1	0.70	2.5	139	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	50.5	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	296	mg/Kg
Fluoranthene	SW8270C	10	0.10	2.0	0.101	mg/Kg
Benzo[b]fluoranthene	SW8270C	10	0.12	2.0	0.121	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/30/21

S12

2105229-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Antimony	6020A	1	0.12	1.0	2.42	mg/Kg
Arsenic	6020A	1	0.21	1.0	4.81	mg/Kg
Barium	6020A	1	0.84	1.0	192	mg/Kg
Cadmium	6020A	1	0.084	1.0	1.92	mg/Kg
Chromium	6020A	1	0.097	1.0	17.8	mg/Kg
Cobalt	6020A	1	0.21	1.0	8.77	mg/Kg
Copper	6020A	1	0.17	2.5	61.9	mg/Kg
Nickel	6020A	1	1.2	5.0	24.4	mg/Kg
Lead	6020A	10	0.54	10	596	mg/Kg
Zinc	6020A	10	7.0	25	1140	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	34.8	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	283	mg/Kg

S13

2105229-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	5.33	mg/Kg
Barium	6020A	1	0.84	1.0	73.3	mg/Kg
Chromium	6020A	1	0.097	1.0	24.7	mg/Kg
Cobalt	6020A	1	0.21	1.0	7.37	mg/Kg
Copper	6020A	1	0.17	2.5	34.9	mg/Kg
Lead	6020A	1	0.054	1.0	76.7	mg/Kg
Nickel	6020A	1	1.2	5.0	24.4	mg/Kg
Zinc	6020A	1	0.70	2.5	71.7	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	18.4	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	127	mg/Kg

S14

2105229-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	4.79	mg/Kg
Barium	6020A	1	0.84	1.0	64.8	mg/Kg
Chromium	6020A	1	0.097	1.0	25.0	mg/Kg
Cobalt	6020A	1	0.21	1.0	7.61	mg/Kg
Copper	6020A	1	0.17	2.5	21.9	mg/Kg
Lead	6020A	1	0.054	1.0	37.6	mg/Kg
Nickel	6020A	1	1.2	5.0	22.8	mg/Kg
Vanadium	6020A	1	0.28	25	25.1	mg/Kg
Zinc	6020A	1	0.70	2.5	72.7	mg/Kg
TPH as Diesel	SW8015B	1	1.7	4.0	12.8	mg/Kg
TPH as Motor Oil	SW8015B	1	6.4	20	76.7	mg/Kg
Fluoranthene	SW8270C	5	0.050	1.0	0.0659	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/30/21

S15

2105229-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	8.84	mg/Kg
Barium	6020A	1	0.84	1.0	77.7	mg/Kg
Chromium	6020A	1	0.097	1.0	25.6	mg/Kg
Cobalt	6020A	1	0.21	1.0	9.05	mg/Kg
Copper	6020A	1	0.17	2.5	22.7	mg/Kg
Lead	6020A	1	0.054	1.0	52.1	mg/Kg
Nickel	6020A	1	1.2	5.0	29.1	mg/Kg
Zinc	6020A	1	0.70	2.5	63.9	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	19.1	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	140	mg/Kg
Phenanthrene	SW8270C	5	0.046	1.0	0.206	mg/Kg
Anthracene	SW8270C	5	0.045	1.0	0.0713	mg/Kg
Fluoranthene	SW8270C	5	0.050	1.0	0.266	mg/Kg
Pyrene	SW8270C	5	0.060	1.0	0.224	mg/Kg
Benz[a]anthracene	SW8270C	5	0.049	1.0	0.166	mg/Kg
Chrysene	SW8270C	5	0.076	1.0	0.174	mg/Kg
Benzo[b]fluoranthene	SW8270C	5	0.060	1.0	0.226	mg/Kg
Benzo[k]fluoranthene	SW8270C	5	0.041	1.0	0.0726	mg/Kg
Benzo[a]pyrene	SW8270C	5	0.049	1.0	0.133	mg/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.069	1.0	0.0855	mg/Kg

S16

2105229-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	7.93	mg/Kg
Barium	6020A	1	0.84	1.0	109	mg/Kg
Chromium	6020A	1	0.097	1.0	36.6	mg/Kg
Cobalt	6020A	1	0.21	1.0	11.4	mg/Kg
Copper	6020A	1	0.17	2.5	34.2	mg/Kg
Lead	6020A	1	0.054	1.0	45.7	mg/Kg
Nickel	6020A	1	1.2	5.0	43.2	mg/Kg
Vanadium	6020A	1	0.28	25	28.9	mg/Kg
Zinc	6020A	1	0.70	2.5	60.8	mg/Kg
TPH as Diesel	SW8015B	2	17	40	245	mg/Kg
TPH as Motor Oil	SW8015B	2	64	200	1080	mg/Kg
Acenaphthylene	SW8270C	5	0.58	14	0.683	mg/Kg
Anthracene	SW8270C	5	0.62	14	1.49	mg/Kg
Fluoranthene	SW8270C	5	0.70	14	2.17	mg/Kg
Pyrene	SW8270C	5	0.83	14	2.36	mg/Kg
Benz[a]anthracene	SW8270C	5	0.68	14	1.72	mg/Kg
Chrysene	SW8270C	5	1.1	14	2.17	mg/Kg
Benzo[b]fluoranthene	SW8270C	5	0.84	14	2.98	mg/Kg
Benzo[k]fluoranthene	SW8270C	5	0.57	14	0.872	mg/Kg
Benzo[a]pyrene	SW8270C	5	0.68	14	1.35	mg/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.96	14	1.45	mg/Kg



Sample Result Summary

Report prepared for: Stephen Fallon
 Engco (San Ramon)

Date Received: 05/21/21

Date Reported: 05/30/21

S17

2105229-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	6020A	1	0.21	1.0	4.09	mg/Kg
Barium	6020A	1	0.84	1.0	110	mg/Kg
Chromium	6020A	1	0.097	1.0	27.9	mg/Kg
Cobalt	6020A	1	0.21	1.0	12.1	mg/Kg
Copper	6020A	1	0.17	2.5	17.1	mg/Kg
Lead	6020A	1	0.054	1.0	22.5	mg/Kg
Nickel	6020A	1	1.2	5.0	29.8	mg/Kg
Vanadium	6020A	1	0.28	25	26.1	mg/Kg
Zinc	6020A	1	0.70	2.5	37.3	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	28.9	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	157	mg/Kg
Acenaphthylene	SW8270C	5	0.041	1.0	0.0527	mg/Kg
Acenaphthene	SW8270C	5	0.053	1.0	0.0669	mg/Kg
Phenanthrene	SW8270C	5	0.046	1.0	0.0784	mg/Kg
Anthracene	SW8270C	5	0.045	1.0	0.117	mg/Kg
Fluoranthene	SW8270C	5	0.050	1.0	0.181	mg/Kg
Pyrene	SW8270C	5	0.060	1.0	0.171	mg/Kg
Benz[a]anthracene	SW8270C	5	0.049	1.0	0.0991	mg/Kg
Chrysene	SW8270C	5	0.076	1.0	0.209	mg/Kg
Benzo[b]fluoranthene	SW8270C	5	0.060	1.0	0.333	mg/Kg
Benzo[k]fluoranthene	SW8270C	5	0.041	1.0	0.0981	mg/Kg
Benzo[a]pyrene	SW8270C	5	0.049	1.0	0.0984	mg/Kg
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.069	1.0	0.107	mg/Kg

GW1

2105229-014

<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.

GW2

2105229-015

<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.

GW3

2105229-016

<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	1.5	44	75	76.9	ug/L
TPH as Diesel	SW8015B	1	0.046	0.13	0.140	mg/L



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S7@18-24"	Lab Sample ID:	2105229-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:09	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S7@18-24"	Lab Sample ID:	2105229-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	17:52	ERR	456744
Arsenic	6020A	1	0.21	1.0	5.02		mg/Kg	05/24/21	17:52	ERR	456744
Barium	6020A	1	0.84	1.0	99.0		mg/Kg	05/24/21	17:52	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	17:52	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	17:52	ERR	456744
Chromium	6020A	1	0.097	1.0	40.2		mg/Kg	05/24/21	17:52	ERR	456744
Cobalt	6020A	1	0.21	1.0	13.9		mg/Kg	05/24/21	17:52	ERR	456744
Copper	6020A	1	0.17	2.5	21.8		mg/Kg	05/24/21	17:52	ERR	456744
Lead	6020A	1	0.054	1.0	8.13		mg/Kg	05/24/21	17:52	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	17:52	ERR	456744
Nickel	6020A	1	1.2	5.0	63.8		mg/Kg	05/24/21	17:52	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	17:52	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	17:52	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	17:52	ERR	456744
Vanadium	6020A	1	0.28	25	37.7		mg/Kg	05/24/21	17:52	ERR	456744
Zinc	6020A	1	0.70	2.5	44.3		mg/Kg	05/24/21	17:52	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S7@18-24"	Lab Sample ID:	2105229-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21 11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	2.39	x	mg/Kg	05/28/21	15:01	MK	456879
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	05/28/21	15:01	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		72.4		%	05/28/21	15:01	MK	456879

NOTE: x- Diesel result due to unknown discrete peak(s) within quantified range



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S7@18-24"	Lab Sample ID:	2105229-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	23:27	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	23:27	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	0.0243		mg/Kg	05/28/21	23:27	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S7@18-24"	Lab Sample ID:	2105229-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:27	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	23:27	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		127		%	05/28/21	23:27	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		108		%	05/28/21	23:27	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		106		%	05/28/21	23:27	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S7@18-24"	Lab Sample ID:	2105229-001A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	11:49	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		69.4		%	05/28/21	11:49	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S8@0-6"	Lab Sample ID:	2105229-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:18	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@0-6"	Lab Sample ID:	2105229-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	18:01	ERR	456744
Arsenic	6020A	1	0.21	1.0	2.53		mg/Kg	05/24/21	18:01	ERR	456744
Barium	6020A	1	0.84	1.0	92.0		mg/Kg	05/24/21	18:01	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:01	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	18:01	ERR	456744
Chromium	6020A	1	0.097	1.0	19.7		mg/Kg	05/24/21	18:01	ERR	456744
Cobalt	6020A	1	0.21	1.0	13.5		mg/Kg	05/24/21	18:01	ERR	456744
Copper	6020A	1	0.17	2.5	11.4		mg/Kg	05/24/21	18:01	ERR	456744
Lead	6020A	1	0.054	1.0	24.8		mg/Kg	05/24/21	18:01	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:01	ERR	456744
Nickel	6020A	1	1.2	5.0	14.5		mg/Kg	05/24/21	18:01	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:01	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:01	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:01	ERR	456744
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	18:01	ERR	456744
Zinc	6020A	1	0.70	2.5	20.6		mg/Kg	05/24/21	18:01	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@0-6"	Lab Sample ID:	2105229-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21 11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	4.18	x	mg/Kg	05/28/21	2:51	MK	456879
TPH as Motor Oil	SW8015B	1	3.2	10	13.6		mg/Kg	05/28/21	2:51	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		49.0		%	05/28/21	2:51	MK	456879

NOTE: x- Diesel result due to over-lapping of oil range organics and presence of unknown discrete peaks within diesel quantified range.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@0-6"	Lab Sample ID:	2105229-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	12:17	JZ	456890
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	12:17	JZ	456890
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Toluene	SW8260B	1	0.0018	0.010	0.0979		mg/Kg	05/28/21	12:17	JZ	456890
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@0-6"	Lab Sample ID:	2105229-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:17	JZ	456890
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	12:17	JZ	456890
(S) Dibromofluoromethane	SW8260B		59.8 - 148		132		%	05/28/21	12:17	JZ	456890
(S) Toluene-d8	SW8260B		55.2 - 133		116		%	05/28/21	12:17	JZ	456890
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		122		%	05/28/21	12:17	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S8@0-6"	Lab Sample ID:	2105229-002A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	12:17	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		59.2		%	05/28/21	12:17	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S8@12-18"	Lab Sample ID:	2105229-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:30	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@12-18"	Lab Sample ID:	2105229-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	18:16	ERR	456744
Arsenic	6020A	1	0.21	1.0	1.11		mg/Kg	05/24/21	18:16	ERR	456744
Barium	6020A	1	0.84	1.0	57.0		mg/Kg	05/24/21	18:16	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:16	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	18:16	ERR	456744
Chromium	6020A	1	0.097	1.0	21.2		mg/Kg	05/24/21	18:16	ERR	456744
Cobalt	6020A	1	0.21	1.0	4.51		mg/Kg	05/24/21	18:16	ERR	456744
Copper	6020A	1	0.17	2.5	4.81		mg/Kg	05/24/21	18:16	ERR	456744
Lead	6020A	1	0.054	1.0	6.97		mg/Kg	05/24/21	18:16	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:16	ERR	456744
Nickel	6020A	1	1.2	5.0	14.5		mg/Kg	05/24/21	18:16	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:16	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:16	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:16	ERR	456744
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	18:16	ERR	456744
Zinc	6020A	1	0.70	2.5	13.9		mg/Kg	05/24/21	18:16	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S8@12-18"	Lab Sample ID:	2105229-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21 11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	3.59	x	mg/Kg	05/28/21	3:14	MK	456879
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	05/28/21	3:14	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		63.3		%	05/28/21	3:14	MK	456879

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range quantified as diesel.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@12-18"	Lab Sample ID:	2105229-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	12:45	JZ	456890
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	12:45	JZ	456890
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Toluene	SW8260B	1	0.0018	0.010	0.0248		mg/Kg	05/28/21	12:45	JZ	456890
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@12-18"	Lab Sample ID:	2105229-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	12:45	JZ	456890
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	12:45	JZ	456890
(S) Dibromofluoromethane	SW8260B		59.8 - 148		125		%	05/28/21	12:45	JZ	456890
(S) Toluene-d8	SW8260B		55.2 - 133		114		%	05/28/21	12:45	JZ	456890
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		112		%	05/28/21	12:45	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S8@12-18"	Lab Sample ID:	2105229-003A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	12:45	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		67.4		%	05/28/21	12:45	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S8@30-36"	Lab Sample ID:	2105229-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst:	BJAY

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:33	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@30-36"	Lab Sample ID:	2105229-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	18:21	ERR	456744
Arsenic	6020A	1	0.21	1.0	1.16		mg/Kg	05/24/21	18:21	ERR	456744
Barium	6020A	1	0.84	1.0	77.9		mg/Kg	05/24/21	18:21	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:21	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	18:21	ERR	456744
Chromium	6020A	1	0.097	1.0	16.0		mg/Kg	05/24/21	18:21	ERR	456744
Cobalt	6020A	1	0.21	1.0	7.40		mg/Kg	05/24/21	18:21	ERR	456744
Copper	6020A	1	0.17	2.5	6.10		mg/Kg	05/24/21	18:21	ERR	456744
Lead	6020A	1	0.054	1.0	5.00		mg/Kg	05/24/21	18:21	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:21	ERR	456744
Nickel	6020A	1	1.2	5.0	11.2		mg/Kg	05/24/21	18:21	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:21	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:21	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:21	ERR	456744
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	18:21	ERR	456744
Zinc	6020A	1	0.70	2.5	8.86		mg/Kg	05/24/21	18:21	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S8@30-36"	Lab Sample ID:	2105229-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21 11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	5.07	x	mg/Kg	05/28/21	3:38	MK	456879
TPH as Motor Oil	SW8015B	1	3.2	10	26.4		mg/Kg	05/28/21	3:38	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		111		%	05/28/21	3:38	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@30-36"	Lab Sample ID:	2105229-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	13:13	JZ	456890
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	13:13	JZ	456890
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S8@30-36"	Lab Sample ID:	2105229-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:13	JZ	456890
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	13:13	JZ	456890
(S) Dibromofluoromethane	SW8260B		59.8 - 148		130		%	05/28/21	13:13	JZ	456890
(S) Toluene-d8	SW8260B		55.2 - 133		104		%	05/28/21	13:13	JZ	456890
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		105		%	05/28/21	13:13	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S8@30-36"	Lab Sample ID:	2105229-004A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	13:13	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		63.1		%	05/28/21	13:13	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S9	Lab Sample ID:	2105229-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:36	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S9	Lab Sample ID:	2105229-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	18:25	ERR	456744
Arsenic	6020A	1	0.21	1.0	3.50		mg/Kg	05/24/21	18:25	ERR	456744
Barium	6020A	1	0.84	1.0	161		mg/Kg	05/24/21	18:25	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:25	ERR	456744
Cadmium	6020A	1	0.084	1.0	2.22		mg/Kg	05/24/21	18:25	ERR	456744
Chromium	6020A	1	0.097	1.0	30.0		mg/Kg	05/24/21	18:25	ERR	456744
Cobalt	6020A	1	0.21	1.0	10.1		mg/Kg	05/24/21	18:25	ERR	456744
Copper	6020A	1	0.17	2.5	69.1		mg/Kg	05/24/21	18:25	ERR	456744
Lead	6020A	1	0.054	1.0	214		mg/Kg	05/24/21	18:25	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:25	ERR	456744
Nickel	6020A	1	1.2	5.0	25.5		mg/Kg	05/24/21	18:25	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:25	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:25	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:25	ERR	456744
Vanadium	6020A	1	0.28	25	25.9		mg/Kg	05/24/21	18:25	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S9	Lab Sample ID:	2105229-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst: IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Zinc	6020A	5	3.5	13	453		mg/Kg	05/24/21	19:56	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S9	Lab Sample ID:	2105229-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst: AKIZ	

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.

Naphthalene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
2-Methylnaphthalene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
1-Methylnaphthalene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Acenaphthylene	SW8270C	10	0.083	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Acenaphthene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Fluorene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Phenanthrene	SW8270C	10	0.093	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Anthracene	SW8270C	10	0.089	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Fluoranthene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Pyrene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Benz[a]anthracene	SW8270C	10	0.098	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Chrysene	SW8270C	10	0.15	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Benzo[b]fluoranthene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Benzo[k]fluoranthene	SW8270C	10	0.081	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Benzo[a]pyrene	SW8270C	10	0.098	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.14	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Dibenz[a,h]anthracene	SW8270C	10	0.13	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Benzo[g,h,i]perylene	SW8270C	10	0.17	2.0	ND		mg/Kg	05/27/21	22:42	MT	456861
Acceptance Limits											
Nitrobenzene-d5 (S)	SW8270C		23 - 120		71.3		%	05/27/21	22:42	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		84.6		%	05/27/21	22:42	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		89.7		%	05/27/21	22:42	MT	456861

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S9	Lab Sample ID:	2105229-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21	11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	23.8	x	mg/Kg	05/28/21	4:02	MK	456879
TPH as Motor Oil	SW8015B	1	13	40	177		mg/Kg	05/28/21	4:02	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		129		%	05/28/21	4:02	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S9	Lab Sample ID:	2105229-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	13:41	JZ	456890
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	13:41	JZ	456890
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S9	Lab Sample ID:	2105229-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	13:41	JZ	456890
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	13:41	JZ	456890
(S) Dibromofluoromethane	SW8260B		59.8 - 148		135		%	05/28/21	13:41	JZ	456890
(S) Toluene-d8	SW8260B		55.2 - 133		117		%	05/28/21	13:41	JZ	456890
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		123		%	05/28/21	13:41	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S9	Lab Sample ID:	2105229-005A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	13:41	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		45.5		%	05/28/21	13:41	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S10	Lab Sample ID:	2105229-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:39	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S10	Lab Sample ID:	2105229-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	6.86		mg/Kg	05/24/21	18:40	ERR	456744
Arsenic	6020A	1	0.21	1.0	7.45		mg/Kg	05/24/21	18:40	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:40	ERR	456744
Cadmium	6020A	1	0.084	1.0	8.53		mg/Kg	05/24/21	18:40	ERR	456744
Chromium	6020A	1	0.097	1.0	33.8		mg/Kg	05/24/21	18:40	ERR	456744
Cobalt	6020A	1	0.21	1.0	14.1		mg/Kg	05/24/21	18:40	ERR	456744
Copper	6020A	1	0.17	2.5	255		mg/Kg	05/24/21	18:40	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:40	ERR	456744
Nickel	6020A	1	1.2	5.0	37.3		mg/Kg	05/24/21	18:40	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:40	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:40	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:40	ERR	456744
Vanadium	6020A	1	0.28	25	25.4		mg/Kg	05/24/21	18:40	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S10	Lab Sample ID:	2105229-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst: IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Barium	6020A	20	17	20	480		mg/Kg	05/24/21	20:01	ERR	456744
Lead	6020A	20	1.1	20	1230		mg/Kg	05/24/21	20:01	ERR	456744
Zinc	6020A	20	14	50	2860		mg/Kg	05/24/21	20:01	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S10	Lab Sample ID:	2105229-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst:	AKIZ

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.

Naphthalene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
2-Methylnaphthalene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
1-Methylnaphthalene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
Acenaphthylene	SW8270C	10	0.083	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
Acenaphthene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
Fluorene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
Phenanthrene	SW8270C	10	0.093	2.0	0.0990	J	mg/Kg	05/27/21	23:12	MT	456861
Anthracene	SW8270C	10	0.089	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
Fluoranthene	SW8270C	10	0.10	2.0	0.145	J	mg/Kg	05/27/21	23:12	MT	456861
Pyrene	SW8270C	10	0.12	2.0	0.157	J	mg/Kg	05/27/21	23:12	MT	456861
Benz[a]anthracene	SW8270C	10	0.098	2.0	0.181	J	mg/Kg	05/27/21	23:12	MT	456861
Chrysene	SW8270C	10	0.15	2.0	0.271	J	mg/Kg	05/27/21	23:12	MT	456861
Benzo[b]fluoranthene	SW8270C	10	0.12	2.0	0.414	J	mg/Kg	05/27/21	23:12	MT	456861
Benzo[k]fluoranthene	SW8270C	10	0.081	2.0	0.147	J	mg/Kg	05/27/21	23:12	MT	456861
Benzo[a]pyrene	SW8270C	10	0.098	2.0	0.224	J	mg/Kg	05/27/21	23:12	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.14	2.0	0.185	J	mg/Kg	05/27/21	23:12	MT	456861
Dibenz[a,h]anthracene	SW8270C	10	0.13	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
Benzo[g,h,i]perylene	SW8270C	10	0.17	2.0	ND		mg/Kg	05/27/21	23:12	MT	456861
Acceptance Limits											
Nitrobenzene-d5 (S)	SW8270C		23 - 120		84.6		%	05/27/21	23:12	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		98.9		%	05/27/21	23:12	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		93.4		%	05/27/21	23:12	MT	456861

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S10	Lab Sample ID:	2105229-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21 11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	36.8	x	mg/Kg	05/28/21	5:12	MK	456879
TPH as Motor Oil	SW8015B	1	13	40	322		mg/Kg	05/28/21	5:12	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		122		%	05/28/21	5:12	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S10	Lab Sample ID:	2105229-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	14:09	JZ	456890
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	14:09	JZ	456890
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
cis-1,2-Dichloropropane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S10	Lab Sample ID:	2105229-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	14:09	JZ	456890
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	14:09	JZ	456890
(S) Dibromofluoromethane	SW8260B		59.8 - 148		156	S	%	05/28/21	14:09	JZ	456890
(S) Toluene-d8	SW8260B		55.2 - 133		141	S	%	05/28/21	14:09	JZ	456890
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		156	S	%	05/28/21	14:09	JZ	456890

NOTE: S- surrogate recoveries were outside the control limit due to matrix interference-high bias. All compounds ND at the PQL.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S10	Lab Sample ID:	2105229-006A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	14:09	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		19.6	S	%	05/28/21	14:09	JZ	456890

NOTE: S-surrogate recovery was outside the laboratory control limit due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S11	Lab Sample ID:	2105229-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:42	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S11	Lab Sample ID:	2105229-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	18:44	ERR	456744
Arsenic	6020A	1	0.21	1.0	6.56		mg/Kg	05/24/21	18:44	ERR	456744
Barium	6020A	1	0.84	1.0	100		mg/Kg	05/24/21	18:44	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:44	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	18:44	ERR	456744
Chromium	6020A	1	0.097	1.0	26.1		mg/Kg	05/24/21	18:44	ERR	456744
Cobalt	6020A	1	0.21	1.0	9.06		mg/Kg	05/24/21	18:44	ERR	456744
Copper	6020A	1	0.17	2.5	29.9		mg/Kg	05/24/21	18:44	ERR	456744
Lead	6020A	1	0.054	1.0	95.3		mg/Kg	05/24/21	18:44	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:44	ERR	456744
Nickel	6020A	1	1.2	5.0	28.3		mg/Kg	05/24/21	18:44	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:44	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:44	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:44	ERR	456744
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	18:44	ERR	456744
Zinc	6020A	1	0.70	2.5	139		mg/Kg	05/24/21	18:44	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S11	Lab Sample ID:	2105229-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst: AKIZ	

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.

Naphthalene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
2-Methylnaphthalene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
1-Methylnaphthalene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Acenaphthylene	SW8270C	10	0.083	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Acenaphthene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Fluorene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Phenanthrene	SW8270C	10	0.093	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Anthracene	SW8270C	10	0.089	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Fluoranthene	SW8270C	10	0.10	2.0	0.101	J	mg/Kg	05/27/21	23:42	MT	456861
Pyrene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Benz[a]anthracene	SW8270C	10	0.098	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Chrysene	SW8270C	10	0.15	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Benzo[b]fluoranthene	SW8270C	10	0.12	2.0	0.121	J	mg/Kg	05/27/21	23:42	MT	456861
Benzo[k]fluoranthene	SW8270C	10	0.081	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Benzo[a]pyrene	SW8270C	10	0.098	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.14	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Dibenz[a,h]anthracene	SW8270C	10	0.13	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Benzo[g,h,i]perylene	SW8270C	10	0.17	2.0	ND		mg/Kg	05/27/21	23:42	MT	456861
Acceptance Limits											
Nitrobenzene-d5 (S)	SW8270C		23 - 120		72.0		%	05/27/21	23:42	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		82.0		%	05/27/21	23:42	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		79.3		%	05/27/21	23:42	MT	456861

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S11	Lab Sample ID:	2105229-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21 11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	50.5	x	mg/Kg	05/28/21	5:36	MK	456879
TPH as Motor Oil	SW8015B	1	13	40	296		mg/Kg	05/28/21	5:36	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		117		%	05/28/21	5:36	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S11	Lab Sample ID:	2105229-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	15:06	JZ	456890
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	15:06	JZ	456890
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S11	Lab Sample ID:	2105229-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:06	JZ	456890
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	15:06	JZ	456890
(S) Dibromofluoromethane	SW8260B		59.8 - 148		147		%	05/28/21	15:06	JZ	456890
(S) Toluene-d8	SW8260B		55.2 - 133		122		%	05/28/21	15:06	JZ	456890
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		127		%	05/28/21	15:06	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S11	Lab Sample ID:	2105229-007A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	15:06	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		36.1	S	%	05/28/21	15:06	JZ	456890

NOTE: S-surrogate recovery was outside the laboratory control limit due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S12	Lab Sample ID:	2105229-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:45	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S12	Lab Sample ID:	2105229-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	2.42		mg/Kg	05/24/21	18:49	ERR	456744
Arsenic	6020A	1	0.21	1.0	4.81		mg/Kg	05/24/21	18:49	ERR	456744
Barium	6020A	1	0.84	1.0	192		mg/Kg	05/24/21	18:49	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:49	ERR	456744
Cadmium	6020A	1	0.084	1.0	1.92		mg/Kg	05/24/21	18:49	ERR	456744
Chromium	6020A	1	0.097	1.0	17.8		mg/Kg	05/24/21	18:49	ERR	456744
Cobalt	6020A	1	0.21	1.0	8.77		mg/Kg	05/24/21	18:49	ERR	456744
Copper	6020A	1	0.17	2.5	61.9		mg/Kg	05/24/21	18:49	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:49	ERR	456744
Nickel	6020A	1	1.2	5.0	24.4		mg/Kg	05/24/21	18:49	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:49	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:49	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:49	ERR	456744
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	18:49	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S12	Lab Sample ID:	2105229-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst: IRNAZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	6020A	10	0.54	10	596		mg/Kg	05/24/21	20:06	ERR	456744
Zinc	6020A	10	7.0	25	1140		mg/Kg	05/24/21	20:06	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S12	Lab Sample ID:	2105229-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst: AKIZ	

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.

Naphthalene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
2-Methylnaphthalene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
1-Methylnaphthalene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Acenaphthylene	SW8270C	10	0.083	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Acenaphthene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Fluorene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Phenanthrene	SW8270C	10	0.093	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Anthracene	SW8270C	10	0.089	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Fluoranthene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Pyrene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Benz[a]anthracene	SW8270C	10	0.098	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Chrysene	SW8270C	10	0.15	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Benzo[b]fluoranthene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Benzo[k]fluoranthene	SW8270C	10	0.081	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Benzo[a]pyrene	SW8270C	10	0.098	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.14	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Dibenz[a,h]anthracene	SW8270C	10	0.13	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Benzo[g,h,i]perylene	SW8270C	10	0.17	2.0	ND		mg/Kg	05/28/21	0:12	MT	456861
Acceptance Limits											
Nitrobenzene-d5 (S)	SW8270C		23 - 120		77.6		%	05/28/21	0:12	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		94.9		%	05/28/21	0:12	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		94.1		%	05/28/21	0:12	MT	456861

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S12	Lab Sample ID:	2105229-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21	11:18:00AM
Prep Batch ID: 1132031	Prep Analyst:	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	34.8	x	mg/Kg	05/28/21	5:59	MK	456879
TPH as Motor Oil	SW8015B	1	13	40	283		mg/Kg	05/28/21	5:59	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		130		%	05/28/21	5:59	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S12	Lab Sample ID:	2105229-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	15:34	JZ	456890
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	15:34	JZ	456890
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S12	Lab Sample ID:	2105229-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	15:34	JZ	456890
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	15:34	JZ	456890
(S) Dibromofluoromethane	SW8260B		59.8 - 148		150	S	%	05/28/21	15:34	JZ	456890
(S) Toluene-d8	SW8260B		55.2 - 133		127		%	05/28/21	15:34	JZ	456890
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		133		%	05/28/21	15:34	JZ	456890

NOTE: S- surrogate recovery is outside the laboratory control limit due to matrix interference-high bias. All associated compounds are ND at the PQL.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S12	Lab Sample ID:	2105229-008A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	15:34	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		29.1	S	%	05/28/21	15:34	JZ	456890

NOTE: S-surrogate recovery was outside the laboratory control limit due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S13	Lab Sample ID:	2105229-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:48	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S13	Lab Sample ID:	2105229-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	18:54	ERR	456744
Arsenic	6020A	1	0.21	1.0	5.33		mg/Kg	05/24/21	18:54	ERR	456744
Barium	6020A	1	0.84	1.0	73.3		mg/Kg	05/24/21	18:54	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:54	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	18:54	ERR	456744
Chromium	6020A	1	0.097	1.0	24.7		mg/Kg	05/24/21	18:54	ERR	456744
Cobalt	6020A	1	0.21	1.0	7.37		mg/Kg	05/24/21	18:54	ERR	456744
Copper	6020A	1	0.17	2.5	34.9		mg/Kg	05/24/21	18:54	ERR	456744
Lead	6020A	1	0.054	1.0	76.7		mg/Kg	05/24/21	18:54	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:54	ERR	456744
Nickel	6020A	1	1.2	5.0	24.4		mg/Kg	05/24/21	18:54	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:54	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:54	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:54	ERR	456744
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	18:54	ERR	456744
Zinc	6020A	1	0.70	2.5	71.7		mg/Kg	05/24/21	18:54	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S13	Lab Sample ID:	2105229-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst:	AKIZ

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.

Naphthalene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
2-Methylnaphthalene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
1-Methylnaphthalene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Acenaphthylene	SW8270C	10	0.083	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Acenaphthene	SW8270C	10	0.11	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Fluorene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Phenanthrene	SW8270C	10	0.093	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Anthracene	SW8270C	10	0.089	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Fluoranthene	SW8270C	10	0.10	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Pyrene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Benz[a]anthracene	SW8270C	10	0.098	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Chrysene	SW8270C	10	0.15	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Benzo[b]fluoranthene	SW8270C	10	0.12	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Benzo[k]fluoranthene	SW8270C	10	0.081	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Benzo[a]pyrene	SW8270C	10	0.098	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	10	0.14	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Dibenz[a,h]anthracene	SW8270C	10	0.13	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861
Benzo[g,h,i]perylene	SW8270C	10	0.17	2.0	ND		mg/Kg	05/28/21	0:42	MT	456861

Acceptance Limits

Nitrobenzene-d5 (S)	SW8270C		23 - 120		50.9		%	05/28/21	0:42	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		64.7		%	05/28/21	0:42	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		68.7		%	05/28/21	0:42	MT	456861

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S13	Lab Sample ID:	2105229-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21	11:18:00AM
Prep Batch ID: 1132031	Prep Analyst:	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	18.4	x	mg/Kg	05/28/21	6:23	MK	456879
TPH as Motor Oil	SW8015B	1	13	40	127		mg/Kg	05/28/21	6:23	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		116		%	05/28/21	6:23	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S13	Lab Sample ID:	2105229-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	16:02	JZ	456890
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	16:02	JZ	456890
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S13	Lab Sample ID:	2105229-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132101	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	16:02	JZ	456890
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	16:02	JZ	456890
(S) Dibromofluoromethane	SW8260B		59.8 - 148		145		%	05/28/21	16:02	JZ	456890
(S) Toluene-d8	SW8260B		55.2 - 133		121		%	05/28/21	16:02	JZ	456890
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		135		%	05/28/21	16:02	JZ	456890



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S13	Lab Sample ID:	2105229-009A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	5:17:00AM
Prep Batch ID: 1132104	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	16:02	JZ	456890
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		35.6	S	%	05/28/21	16:02	JZ	456890

NOTE: S-surrogate recovery was outside the laboratory control limit due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S14	Lab Sample ID:	2105229-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:51	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S14	Lab Sample ID:	2105229-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	18:59	ERR	456744
Arsenic	6020A	1	0.21	1.0	4.79		mg/Kg	05/24/21	18:59	ERR	456744
Barium	6020A	1	0.84	1.0	64.8		mg/Kg	05/24/21	18:59	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	18:59	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	18:59	ERR	456744
Chromium	6020A	1	0.097	1.0	25.0		mg/Kg	05/24/21	18:59	ERR	456744
Cobalt	6020A	1	0.21	1.0	7.61		mg/Kg	05/24/21	18:59	ERR	456744
Copper	6020A	1	0.17	2.5	21.9		mg/Kg	05/24/21	18:59	ERR	456744
Lead	6020A	1	0.054	1.0	37.6		mg/Kg	05/24/21	18:59	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	18:59	ERR	456744
Nickel	6020A	1	1.2	5.0	22.8		mg/Kg	05/24/21	18:59	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	18:59	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	18:59	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	18:59	ERR	456744
Vanadium	6020A	1	0.28	25	25.1		mg/Kg	05/24/21	18:59	ERR	456744
Zinc	6020A	1	0.70	2.5	72.7		mg/Kg	05/24/21	18:59	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S14	Lab Sample ID:	2105229-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst:	AKIZ

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.

Naphthalene	SW8270C	5	0.053	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
2-Methylnaphthalene	SW8270C	5	0.052	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
1-Methylnaphthalene	SW8270C	5	0.061	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Acenaphthylene	SW8270C	5	0.041	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Acenaphthene	SW8270C	5	0.053	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Fluorene	SW8270C	5	0.051	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Phenanthrene	SW8270C	5	0.046	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Anthracene	SW8270C	5	0.045	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Fluoranthene	SW8270C	5	0.050	1.0	0.0659	J	mg/Kg	05/28/21	1:12	MT	456861
Pyrene	SW8270C	5	0.060	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Benz[a]anthracene	SW8270C	5	0.049	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Chrysene	SW8270C	5	0.076	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Benzo[b]fluoranthene	SW8270C	5	0.060	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Benzo[k]fluoranthene	SW8270C	5	0.041	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Benzo[a]pyrene	SW8270C	5	0.049	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.069	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Dibenz[a,h]anthracene	SW8270C	5	0.063	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
Benzo[g,h,i]perylene	SW8270C	5	0.083	1.0	ND		mg/Kg	05/28/21	1:12	MT	456861
			Acceptance Limits								
Nitrobenzene-d5 (S)	SW8270C		23 - 120		72.9		%	05/28/21	1:12	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		88.3		%	05/28/21	1:12	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		89.2		%	05/28/21	1:12	MT	456861

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S14	Lab Sample ID:	2105229-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21 11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	1.7	4.0	12.8	x	mg/Kg	05/28/21	6:46	MK	456879
TPH as Motor Oil	SW8015B	1	6.4	20	76.7		mg/Kg	05/28/21	6:46	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		96.7		%	05/28/21	6:46	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S14	Lab Sample ID:	2105229-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/28/21	23:55	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/28/21	23:55	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S14	Lab Sample ID:	2105229-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/28/21	23:55	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/28/21	23:55	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		141		%	05/28/21	23:55	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		120		%	05/28/21	23:55	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		128		%	05/28/21	23:55	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S14	Lab Sample ID:	2105229-010A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/28/21	23:55	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		39.5	S	%	05/28/21	23:55	JZ	456915

NOTE: S-surrogate recovery outside the laboratory control limits due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S15	Lab Sample ID:	2105229-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	14:54	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S15	Lab Sample ID:	2105229-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	19:04	ERR	456744
Arsenic	6020A	1	0.21	1.0	8.84		mg/Kg	05/24/21	19:04	ERR	456744
Barium	6020A	1	0.84	1.0	77.7		mg/Kg	05/24/21	19:04	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	19:04	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	19:04	ERR	456744
Chromium	6020A	1	0.097	1.0	25.6		mg/Kg	05/24/21	19:04	ERR	456744
Cobalt	6020A	1	0.21	1.0	9.05		mg/Kg	05/24/21	19:04	ERR	456744
Copper	6020A	1	0.17	2.5	22.7		mg/Kg	05/24/21	19:04	ERR	456744
Lead	6020A	1	0.054	1.0	52.1		mg/Kg	05/24/21	19:04	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	19:04	ERR	456744
Nickel	6020A	1	1.2	5.0	29.1		mg/Kg	05/24/21	19:04	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	19:04	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	19:04	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	19:04	ERR	456744
Vanadium	6020A	1	0.28	25	ND		mg/Kg	05/24/21	19:04	ERR	456744
Zinc	6020A	1	0.70	2.5	63.9		mg/Kg	05/24/21	19:04	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S15	Lab Sample ID:	2105229-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst:	AKIZ

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.

Naphthalene	SW8270C	5	0.053	1.0	ND		mg/Kg	05/28/21	1:42	MT	456861
2-Methylnaphthalene	SW8270C	5	0.052	1.0	ND		mg/Kg	05/28/21	1:42	MT	456861
1-Methylnaphthalene	SW8270C	5	0.061	1.0	ND		mg/Kg	05/28/21	1:42	MT	456861
Acenaphthylene	SW8270C	5	0.041	1.0	ND		mg/Kg	05/28/21	1:42	MT	456861
Acenaphthene	SW8270C	5	0.053	1.0	ND		mg/Kg	05/28/21	1:42	MT	456861
Fluorene	SW8270C	5	0.051	1.0	ND		mg/Kg	05/28/21	1:42	MT	456861
Phenanthrene	SW8270C	5	0.046	1.0	0.206	J	mg/Kg	05/28/21	1:42	MT	456861
Anthracene	SW8270C	5	0.045	1.0	0.0713	J	mg/Kg	05/28/21	1:42	MT	456861
Fluoranthene	SW8270C	5	0.050	1.0	0.266	J	mg/Kg	05/28/21	1:42	MT	456861
Pyrene	SW8270C	5	0.060	1.0	0.224	J	mg/Kg	05/28/21	1:42	MT	456861
Benz[a]anthracene	SW8270C	5	0.049	1.0	0.166	J	mg/Kg	05/28/21	1:42	MT	456861
Chrysene	SW8270C	5	0.076	1.0	0.174	J	mg/Kg	05/28/21	1:42	MT	456861
Benzo[b]fluoranthene	SW8270C	5	0.060	1.0	0.226	J	mg/Kg	05/28/21	1:42	MT	456861
Benzo[k]fluoranthene	SW8270C	5	0.041	1.0	0.0726	J	mg/Kg	05/28/21	1:42	MT	456861
Benzo[a]pyrene	SW8270C	5	0.049	1.0	0.133	J	mg/Kg	05/28/21	1:42	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.069	1.0	0.0855	J	mg/Kg	05/28/21	1:42	MT	456861
Dibenz[a,h]anthracene	SW8270C	5	0.063	1.0	ND		mg/Kg	05/28/21	1:42	MT	456861
Benzo[g,h,i]perylene	SW8270C	5	0.083	1.0	ND		mg/Kg	05/28/21	1:42	MT	456861
Acceptance Limits											
Nitrobenzene-d5 (S)	SW8270C		23 - 120		73.0		%	05/28/21	1:42	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		89.0		%	05/28/21	1:42	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		90.1		%	05/28/21	1:42	MT	456861

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S15	Lab Sample ID:	2105229-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21	11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	19.1	x	mg/Kg	05/28/21	7:10	MK	456879
TPH as Motor Oil	SW8015B	1	13	40	140		mg/Kg	05/28/21	7:10	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		109		%	05/28/21	7:10	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S15	Lab Sample ID:	2105229-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	0:24	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	0:24	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S15	Lab Sample ID:	2105229-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:24	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	0:24	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		142		%	05/29/21	0:24	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		120		%	05/29/21	0:24	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		131		%	05/29/21	0:24	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S15	Lab Sample ID:	2105229-011A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	0:24	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		35.2	S	%	05/29/21	0:24	JZ	456915

NOTE: S-surrogate recovery outside the laboratory control limits due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S16	Lab Sample ID:	2105229-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	15:05	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S16	Lab Sample ID:	2105229-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	19:13	ERR	456744
Arsenic	6020A	1	0.21	1.0	7.93		mg/Kg	05/24/21	19:13	ERR	456744
Barium	6020A	1	0.84	1.0	109		mg/Kg	05/24/21	19:13	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	19:13	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	19:13	ERR	456744
Chromium	6020A	1	0.097	1.0	36.6		mg/Kg	05/24/21	19:13	ERR	456744
Cobalt	6020A	1	0.21	1.0	11.4		mg/Kg	05/24/21	19:13	ERR	456744
Copper	6020A	1	0.17	2.5	34.2		mg/Kg	05/24/21	19:13	ERR	456744
Lead	6020A	1	0.054	1.0	45.7		mg/Kg	05/24/21	19:13	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	19:13	ERR	456744
Nickel	6020A	1	1.2	5.0	43.2		mg/Kg	05/24/21	19:13	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	19:13	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	19:13	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	19:13	ERR	456744
Vanadium	6020A	1	0.28	25	28.9		mg/Kg	05/24/21	19:13	ERR	456744
Zinc	6020A	1	0.70	2.5	60.8		mg/Kg	05/24/21	19:13	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S16	Lab Sample ID:	2105229-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst: AKIZ	

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.

Naphthalene	SW8270C	5	0.74	14	ND		mg/Kg	05/28/21	2:12	MT	456861
2-Methylnaphthalene	SW8270C	5	0.73	14	ND		mg/Kg	05/28/21	2:12	MT	456861
1-Methylnaphthalene	SW8270C	5	0.85	14	ND		mg/Kg	05/28/21	2:12	MT	456861
Acenaphthylene	SW8270C	5	0.58	14	0.683	J	mg/Kg	05/28/21	2:12	MT	456861
Acenaphthene	SW8270C	5	0.74	14	ND		mg/Kg	05/28/21	2:12	MT	456861
Fluorene	SW8270C	5	0.72	14	ND		mg/Kg	05/28/21	2:12	MT	456861
Phenanthrene	SW8270C	5	0.65	14	ND		mg/Kg	05/28/21	2:12	MT	456861
Anthracene	SW8270C	5	0.62	14	1.49	J	mg/Kg	05/28/21	2:12	MT	456861
Fluoranthene	SW8270C	5	0.70	14	2.17	J	mg/Kg	05/28/21	2:12	MT	456861
Pyrene	SW8270C	5	0.83	14	2.36	J	mg/Kg	05/28/21	2:12	MT	456861
Benz[a]anthracene	SW8270C	5	0.68	14	1.72	J	mg/Kg	05/28/21	2:12	MT	456861
Chrysene	SW8270C	5	1.1	14	2.17	J	mg/Kg	05/28/21	2:12	MT	456861
Benzo[b]fluoranthene	SW8270C	5	0.84	14	2.98	J	mg/Kg	05/28/21	2:12	MT	456861
Benzo[k]fluoranthene	SW8270C	5	0.57	14	0.872	J	mg/Kg	05/28/21	2:12	MT	456861
Benzo[a]pyrene	SW8270C	5	0.68	14	1.35	J	mg/Kg	05/28/21	2:12	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.96	14	1.45	J	mg/Kg	05/28/21	2:12	MT	456861
Dibenz[a,h]anthracene	SW8270C	5	0.88	14	ND		mg/Kg	05/28/21	2:12	MT	456861
Benzo[g,h,i]perylene	SW8270C	5	1.2	14	ND		mg/Kg	05/28/21	2:12	MT	456861

Acceptance Limits

Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	05/28/21	2:12	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		0.000	D	%	05/28/21	2:12	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	05/28/21	2:12	MT	456861

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits. The sample was further diluted due to the nature of the extract (dark and viscous).



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S16	Lab Sample ID:	2105229-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21	11:18:00AM
Prep Batch ID: 1132031	Prep Analyst:	AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	17	40	245	x	mg/Kg	05/28/21	13:50	MK	456879
TPH as Motor Oil	SW8015B	2	64	200	1080		mg/Kg	05/28/21	13:50	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		0.000	D	%	05/28/21	13:50	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S16	Lab Sample ID:	2105229-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	0:52	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	0:52	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S16	Lab Sample ID:	2105229-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	0:52	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	0:52	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		149	S	%	05/29/21	0:52	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		145	S	%	05/29/21	0:52	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		138		%	05/29/21	0:52	JZ	456915

NOTE: S- surrogate recoveries were outside the laboratory control limits due to matrix interference-high bias. All associated compound are ND at the PQL.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S16	Lab Sample ID:	2105229-012A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	0:52	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		19.0	S	%	05/29/21	0:52	JZ	456915

NOTE: S-surrogate recovery outside the laboratory control limits due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S17	Lab Sample ID:	2105229-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 5/24/21	1:15:00PM
Prep Batch ID: 1131909	Prep Analyst: BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	05/25/21	15:08	BJAY	456750



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S17	Lab Sample ID:	2105229-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 6020S-P	Prep Batch Date/Time: 5/24/21	11:45:00AM
Prep Batch ID: 1131903	Prep Analyst:	IRNAZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	6020A	1	0.12	1.0	ND		mg/Kg	05/24/21	19:18	ERR	456744
Arsenic	6020A	1	0.21	1.0	4.09		mg/Kg	05/24/21	19:18	ERR	456744
Barium	6020A	1	0.84	1.0	110		mg/Kg	05/24/21	19:18	ERR	456744
Beryllium	6020A	1	0.16	1.0	ND		mg/Kg	05/24/21	19:18	ERR	456744
Cadmium	6020A	1	0.084	1.0	ND		mg/Kg	05/24/21	19:18	ERR	456744
Chromium	6020A	1	0.097	1.0	27.9		mg/Kg	05/24/21	19:18	ERR	456744
Cobalt	6020A	1	0.21	1.0	12.1		mg/Kg	05/24/21	19:18	ERR	456744
Copper	6020A	1	0.17	2.5	17.1		mg/Kg	05/24/21	19:18	ERR	456744
Lead	6020A	1	0.054	1.0	22.5		mg/Kg	05/24/21	19:18	ERR	456744
Molybdenum	6020A	1	0.13	1.0	ND		mg/Kg	05/24/21	19:18	ERR	456744
Nickel	6020A	1	1.2	5.0	29.8		mg/Kg	05/24/21	19:18	ERR	456744
Selenium	6020A	1	0.035	2.5	ND		mg/Kg	05/24/21	19:18	ERR	456744
Silver	6020A	1	0.098	1.0	ND		mg/Kg	05/24/21	19:18	ERR	456744
Thallium	6020A	1	1.00	5.0	ND		mg/Kg	05/24/21	19:18	ERR	456744
Vanadium	6020A	1	0.28	25	26.1		mg/Kg	05/24/21	19:18	ERR	456744
Zinc	6020A	1	0.70	2.5	37.3		mg/Kg	05/24/21	19:18	ERR	456744



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S17	Lab Sample ID:	2105229-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546-PAH	Prep Batch Date/Time: 5/27/21	11:13:00AM
Prep Batch ID: 1132030	Prep Analyst: AKIZ	

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.

Naphthalene	SW8270C	5	0.053	1.0	ND		mg/Kg	05/28/21	2:42	MT	456861
2-Methylnaphthalene	SW8270C	5	0.052	1.0	ND		mg/Kg	05/28/21	2:42	MT	456861
1-Methylnaphthalene	SW8270C	5	0.061	1.0	ND		mg/Kg	05/28/21	2:42	MT	456861
Acenaphthylene	SW8270C	5	0.041	1.0	0.0527	J	mg/Kg	05/28/21	2:42	MT	456861
Acenaphthene	SW8270C	5	0.053	1.0	0.0669	J	mg/Kg	05/28/21	2:42	MT	456861
Fluorene	SW8270C	5	0.051	1.0	ND		mg/Kg	05/28/21	2:42	MT	456861
Phenanthrene	SW8270C	5	0.046	1.0	0.0784	J	mg/Kg	05/28/21	2:42	MT	456861
Anthracene	SW8270C	5	0.045	1.0	0.117	J	mg/Kg	05/28/21	2:42	MT	456861
Fluoranthene	SW8270C	5	0.050	1.0	0.181	J	mg/Kg	05/28/21	2:42	MT	456861
Pyrene	SW8270C	5	0.060	1.0	0.171	J	mg/Kg	05/28/21	2:42	MT	456861
Benz[a]anthracene	SW8270C	5	0.049	1.0	0.0991	J	mg/Kg	05/28/21	2:42	MT	456861
Chrysene	SW8270C	5	0.076	1.0	0.209	J	mg/Kg	05/28/21	2:42	MT	456861
Benzo[b]fluoranthene	SW8270C	5	0.060	1.0	0.333	J	mg/Kg	05/28/21	2:42	MT	456861
Benzo[k]fluoranthene	SW8270C	5	0.041	1.0	0.0981	J	mg/Kg	05/28/21	2:42	MT	456861
Benzo[a]pyrene	SW8270C	5	0.049	1.0	0.0984	J	mg/Kg	05/28/21	2:42	MT	456861
Indeno[1,2,3-cd]pyrene	SW8270C	5	0.069	1.0	0.107	J	mg/Kg	05/28/21	2:42	MT	456861
Dibenz[a,h]anthracene	SW8270C	5	0.063	1.0	ND		mg/Kg	05/28/21	2:42	MT	456861
Benzo[g,h,i]perylene	SW8270C	5	0.083	1.0	ND		mg/Kg	05/28/21	2:42	MT	456861
Acceptance Limits											
Nitrobenzene-d5 (S)	SW8270C		23 - 120		76.0		%	05/28/21	2:42	MT	456861
2-Fluorobiphenyl (S)	SW8270C		30 - 115		88.9		%	05/28/21	2:42	MT	456861
p-Terphenyl-d14 (S)	SW8270C		18 - 137		89.8		%	05/28/21	2:42	MT	456861

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S17	Lab Sample ID:	2105229-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 5/27/21 11:18:00AM
Prep Batch ID: 1132031	Prep Analyst: AKIZ

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	28.9	x	mg/Kg	05/28/21	7:57	MK	456879
TPH as Motor Oil	SW8015B	1	13	40	157		mg/Kg	05/28/21	7:57	MK	456879
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		125		%	05/28/21	7:57	MK	456879

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S17	Lab Sample ID:	2105229-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21 6:48:00PM
Prep Batch ID: 1132123	Prep Analyst: JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.0012	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Chloromethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Vinyl Chloride	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Bromomethane	SW8260B	1	0.0027	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Chloroethane	SW8260B	1	0.0030	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Trichlorofluoromethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,1-Dichloroethene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Freon 113	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Methylene Chloride	SW8260B	1	0.0071	0.12	ND		mg/Kg	05/29/21	1:20	JZ	456915
trans-1,2-Dichloroethene	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
MTBE	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
TBA	SW8260B	1	0.012	0.050	ND		mg/Kg	05/29/21	1:20	JZ	456915
Diisopropyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,1-Dichloroethane	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Ethyl tert-Butyl ether	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
cis-1,2-Dichloroethene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
2,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Bromochloromethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Chloroform	SW8260B	1	0.0024	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Carbon Tetrachloride	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,1,1-Trichloroethane	SW8260B	1	0.0021	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,1-Dichloropropene	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Benzene	SW8260B	1	0.0022	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
TAME	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2-Dichloroethane	SW8260B	1	0.0023	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Trichloroethylene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Dibromomethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2-Dichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Bromodichloromethane	SW8260B	1	0.0020	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
cis-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Toluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Tetrachloroethene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
trans-1,3-Dichloropropene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,1,2-Trichloroethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Dibromochloromethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,3-Dichloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2-Dibromoethane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Chlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Ethylbenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	S17	Lab Sample ID:	2105229-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132123	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
m,p-Xylene	SW8260B	1	0.0032	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
o-Xylene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Styrene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Bromoform	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Isopropyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
n-Propylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Bromobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,1,2,2-Tetrachloroethane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
2-Chlorotoluene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,3,5-Trimethylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2,3-Trichloropropane	SW8260B	1	0.0019	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
4-Chlorotoluene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
tert-Butylbenzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2,4-Trimethylbenzene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
sec-Butyl Benzene	SW8260B	1	0.0016	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
p-Isopropyltoluene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,3-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,4-Dichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
n-Butylbenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2-Dichlorobenzene	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.0018	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Hexachlorobutadiene	SW8260B	1	0.0014	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2,4-Trichlorobenzene	SW8260B	1	0.0015	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
Naphthalene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
1,2,3-Trichlorobenzene	SW8260B	1	0.0017	0.010	ND		mg/Kg	05/29/21	1:20	JZ	456915
2-Butanone	SW8260B	1	0.0023	0.0100	ND		mg/Kg	05/29/21	1:20	JZ	456915
(S) Dibromofluoromethane	SW8260B		59.8 - 148		158	S	%	05/29/21	1:20	JZ	456915
(S) Toluene-d8	SW8260B		55.2 - 133		127		%	05/29/21	1:20	JZ	456915
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		124		%	05/29/21	1:20	JZ	456915

NOTE: S- surrogate recovery outside the laboratory control limits due to matrix interference-high bias. All associated compounds are ND at the PQL



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	S17	Lab Sample ID:	2105229-013A
Project Name/Location:	D Street	Sample Matrix:	Soil
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 5/28/21	6:48:00PM
Prep Batch ID: 1132124	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	0.043	0.10	ND		mg/Kg	05/29/21	1:20	JZ	456915
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		34.7	S	%	05/29/21	1:20	JZ	456915

NOTE: S-surrogate recovery outside the laboratory control limits due to matrix interference.



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	GW1	Lab Sample ID:	2105229-014A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 5/21/21	11:15:00AM
Prep Batch ID: 1131979	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1.4	0.37	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Chloromethane	SW8260B	1.4	0.23	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Vinyl Chloride	SW8260B	1.4	0.29	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Bromomethane	SW8260B	1.4	0.30	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Chloroethane	SW8260B	1.4	0.16	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Trichlorofluoromethane	SW8260B	1.4	0.26	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,1-Dichloroethene	SW8260B	1.4	0.20	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Freon 113	SW8260B	1.4	0.48	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Methylene Chloride	SW8260B	1.4	0.18	1.4	ND		ug/L	05/21/21	19:13	JZ	456782
trans-1,2-Dichloroethene	SW8260B	1.4	0.23	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
MTBE	SW8260B	1.4	0.11	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
tert-Butanol	SW8260B	1.4	4.1	7.0	ND		ug/L	05/21/21	19:13	JZ	456782
DIPE	SW8260B	1.4	0.17	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,1-Dichloroethane	SW8260B	1.4	0.17	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
ETBE	SW8260B	1.4	0.090	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
cis-1,2-Dichloroethene	SW8260B	1.4	0.21	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
2,2-Dichloropropane	SW8260B	1.4	0.13	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Bromochloromethane	SW8260B	1.4	0.21	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Chloroform	SW8260B	1.4	0.17	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Carbon Tetrachloride	SW8260B	1.4	0.22	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,1,1-Trichloroethane	SW8260B	1.4	0.23	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,1-Dichloropropene	SW8260B	1.4	0.26	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Benzene	SW8260B	1.4	0.091	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
TAME	SW8260B	1.4	0.10	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,2-Dichloroethane	SW8260B	1.4	0.15	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Trichloroethylene	SW8260B	1.4	0.20	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Dibromomethane	SW8260B	1.4	0.15	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,2-Dichloropropane	SW8260B	1.4	0.12	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Bromodichloromethane	SW8260B	1.4	0.11	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
cis-1,3-Dichloropropene	SW8260B	1.4	0.11	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Toluene	SW8260B	1.4	0.20	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Tetrachloroethylene	SW8260B	1.4	0.33	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
trans-1,3-Dichloropropene	SW8260B	1.4	0.30	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,1,2-Trichloroethane	SW8260B	1.4	0.11	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Dibromochloromethane	SW8260B	1.4	0.25	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,3-Dichloropropane	SW8260B	1.4	0.30	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,2-Dibromoethane	SW8260B	1.4	0.11	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Chlorobenzene	SW8260B	1.4	0.23	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Ethylbenzene	SW8260B	1.4	0.27	0.70	ND		ug/L	05/21/21	19:13	JZ	456782



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	GW1	Lab Sample ID:	2105229-014A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 5/21/21	11:15:00AM
Prep Batch ID: 1131979	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1.4	0.12	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
m,p-Xylene	SW8260B	1.4	0.55	1.4	ND		ug/L	05/21/21	19:13	JZ	456782
o-Xylene	SW8260B	1.4	0.22	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Styrene	SW8260B	1.4	0.15	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Bromoform	SW8260B	1.4	0.11	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Isopropyl Benzene	SW8260B	1.4	0.30	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
n-Propylbenzene	SW8260B	1.4	0.41	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
Bromobenzene	SW8260B	1.4	0.21	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,1,2,2-Tetrachloroethane	SW8260B	1.4	0.11	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
2-Chlorotoluene	SW8260B	1.4	0.35	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,3,5-Trimethylbenzene	SW8260B	1.4	0.34	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,2,3-Trichloropropane	SW8260B	1.4	0.20	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
4-Chlorotoluene	SW8260B	1.4	0.30	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
tert-Butylbenzene	SW8260B	1.4	0.37	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,2,4-Trimethylbenzene	SW8260B	1.4	0.32	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
sec-Butyl Benzene	SW8260B	1.4	0.41	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
p-Isopropyltoluene	SW8260B	1.4	0.37	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,3-Dichlorobenzene	SW8260B	1.4	0.23	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,4-Dichlorobenzene	SW8260B	1.4	0.25	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
n-Butylbenzene	SW8260B	1.4	0.38	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,2-Dichlorobenzene	SW8260B	1.4	0.22	0.70	ND		ug/L	05/21/21	19:13	JZ	456782
1,2-Dibromo-3-Chloropropane	SW8260B	1.4	1.1	2.8	ND		ug/L	05/21/21	19:13	JZ	456782
Hexachlorobutadiene	SW8260B	1.4	0.86	2.8	ND		ug/L	05/21/21	19:13	JZ	456782
1,2,4-Trichlorobenzene	SW8260B	1.4	1.3	2.8	ND		ug/L	05/21/21	19:13	JZ	456782
Naphthalene	SW8260B	1.4	1.7	2.8	ND		ug/L	05/21/21	19:13	JZ	456782
1,2,3-Trichlorobenzene	SW8260B	1.4	1.7	2.8	ND		ug/L	05/21/21	19:13	JZ	456782
(S) Dibromofluoromethane	SW8260B		61.2 - 131		98.5		%	05/21/21	19:13	JZ	456782
(S) Toluene-d8	SW8260B		75.1 - 127		93.6		%	05/21/21	19:13	JZ	456782
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		95.5		%	05/21/21	19:13	JZ	456782

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	GW1	Lab Sample ID:	2105229-014A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030GRO	Prep Batch Date/Time: 5/21/21 11:15:00AM
Prep Batch ID: 1131980	Prep Analyst: JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1.4	41	70	ND		ug/L	05/21/21	19:13	JZ	456782
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		81.7		%	05/21/21	19:13	JZ	456782

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	GW1	Lab Sample ID:	2105229-014B
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3510_TPH	Prep Batch Date/Time: 5/26/21	11:39:00AM
Prep Batch ID: 1131989	Prep Analyst: NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.045	0.12	ND		mg/L	05/28/21	20:24	SN	456912
TPH as Motor Oil	SW8015B	1	0.13	0.48	ND		mg/L	05/28/21	20:24	SN	456912
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		61.6		%	05/28/21	20:24	SN	456912



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	GW2	Lab Sample ID:	2105229-015A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 5/21/21	11:15:00AM
Prep Batch ID: 1131979	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1.5	0.39	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Chloromethane	SW8260B	1.5	0.25	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Vinyl Chloride	SW8260B	1.5	0.31	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Bromomethane	SW8260B	1.5	0.32	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Chloroethane	SW8260B	1.5	0.17	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Trichlorofluoromethane	SW8260B	1.5	0.28	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,1-Dichloroethene	SW8260B	1.5	0.21	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Freon 113	SW8260B	1.5	0.51	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Methylene Chloride	SW8260B	1.5	0.20	1.5	ND		ug/L	05/21/21	19:42	JZ	456782
trans-1,2-Dichloroethene	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
MTBE	SW8260B	1.5	0.12	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
tert-Butanol	SW8260B	1.5	4.4	7.5	ND		ug/L	05/21/21	19:42	JZ	456782
DIPE	SW8260B	1.5	0.18	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,1-Dichloroethane	SW8260B	1.5	0.18	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
ETBE	SW8260B	1.5	0.096	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
cis-1,2-Dichloroethene	SW8260B	1.5	0.23	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
2,2-Dichloropropane	SW8260B	1.5	0.14	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Bromochloromethane	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Chloroform	SW8260B	1.5	0.18	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Carbon Tetrachloride	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,1,1-Trichloroethane	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,1-Dichloropropene	SW8260B	1.5	0.28	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Benzene	SW8260B	1.5	0.098	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
TAME	SW8260B	1.5	0.11	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,2-Dichloroethane	SW8260B	1.5	0.16	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Trichloroethylene	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Dibromomethane	SW8260B	1.5	0.16	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,2-Dichloropropane	SW8260B	1.5	0.13	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Bromodichloromethane	SW8260B	1.5	0.11	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
cis-1,3-Dichloropropene	SW8260B	1.5	0.12	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Toluene	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Tetrachloroethylene	SW8260B	1.5	0.36	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
trans-1,3-Dichloropropene	SW8260B	1.5	0.32	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,1,2-Trichloroethane	SW8260B	1.5	0.11	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Dibromochloromethane	SW8260B	1.5	0.27	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,3-Dichloropropane	SW8260B	1.5	0.32	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,2-Dibromoethane	SW8260B	1.5	0.12	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Chlorobenzene	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Ethylbenzene	SW8260B	1.5	0.29	0.75	ND		ug/L	05/21/21	19:42	JZ	456782



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	GW2	Lab Sample ID:	2105229-015A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 5/21/21	11:15:00AM
Prep Batch ID: 1131979	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1.5	0.13	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
m,p-Xylene	SW8260B	1.5	0.59	1.5	ND		ug/L	05/21/21	19:42	JZ	456782
o-Xylene	SW8260B	1.5	0.23	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Styrene	SW8260B	1.5	0.16	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Bromoform	SW8260B	1.5	0.11	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Isopropyl Benzene	SW8260B	1.5	0.33	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
n-Propylbenzene	SW8260B	1.5	0.44	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
Bromobenzene	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,1,2,2-Tetrachloroethane	SW8260B	1.5	0.12	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
2-Chlorotoluene	SW8260B	1.5	0.38	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,3,5-Trimethylbenzene	SW8260B	1.5	0.36	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,2,3-Trichloropropane	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
4-Chlorotoluene	SW8260B	1.5	0.32	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
tert-Butylbenzene	SW8260B	1.5	0.40	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,2,4-Trimethylbenzene	SW8260B	1.5	0.35	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
sec-Butyl Benzene	SW8260B	1.5	0.44	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
p-Isopropyltoluene	SW8260B	1.5	0.40	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,3-Dichlorobenzene	SW8260B	1.5	0.25	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,4-Dichlorobenzene	SW8260B	1.5	0.26	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
n-Butylbenzene	SW8260B	1.5	0.41	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,2-Dichlorobenzene	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	19:42	JZ	456782
1,2-Dibromo-3-Chloropropane	SW8260B	1.5	1.1	3.0	ND		ug/L	05/21/21	19:42	JZ	456782
Hexachlorobutadiene	SW8260B	1.5	0.93	3.0	ND		ug/L	05/21/21	19:42	JZ	456782
1,2,4-Trichlorobenzene	SW8260B	1.5	1.4	3.0	ND		ug/L	05/21/21	19:42	JZ	456782
Naphthalene	SW8260B	1.5	1.8	3.0	ND		ug/L	05/21/21	19:42	JZ	456782
1,2,3-Trichlorobenzene	SW8260B	1.5	1.8	3.0	ND		ug/L	05/21/21	19:42	JZ	456782
(S) Dibromofluoromethane	SW8260B		61.2	131	97.7		%	05/21/21	19:42	JZ	456782
(S) Toluene-d8	SW8260B		75.1	127	95.9		%	05/21/21	19:42	JZ	456782
(S) 4-Bromofluorobenzene	SW8260B		64.1	120	103		%	05/21/21	19:42	JZ	456782

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	GW2	Lab Sample ID:	2105229-015A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030GRO	Prep Batch Date/Time: 5/21/21 11:15:00AM
Prep Batch ID: 1131980	Prep Analyst: JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1.5	44	75	ND		ug/L	05/21/21	19:42	JZ	456782
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		91.9		%	05/21/21	19:42	JZ	456782

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	GW2	Lab Sample ID:	2105229-015B
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3510_TPH	Prep Batch Date/Time: 5/26/21	11:39:00AM
Prep Batch ID: 1131989	Prep Analyst:	NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.074	0.20	ND		mg/L	05/28/21	20:47	SN	456912
TPH as Motor Oil	SW8015B	1	0.22	0.80	ND		mg/L	05/28/21	20:47	SN	456912
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		62.5		%	05/28/21	20:47	SN	456912



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	GW3	Lab Sample ID:	2105229-016A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 5/21/21	11:15:00AM
Prep Batch ID: 1131979	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1.5	0.39	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Chloromethane	SW8260B	1.5	0.25	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Vinyl Chloride	SW8260B	1.5	0.31	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Bromomethane	SW8260B	1.5	0.32	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Chloroethane	SW8260B	1.5	0.17	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Trichlorofluoromethane	SW8260B	1.5	0.28	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,1-Dichloroethene	SW8260B	1.5	0.21	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Freon 113	SW8260B	1.5	0.51	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Methylene Chloride	SW8260B	1.5	0.20	1.5	ND		ug/L	05/21/21	20:12	JZ	456782
trans-1,2-Dichloroethene	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
MTBE	SW8260B	1.5	0.12	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
tert-Butanol	SW8260B	1.5	4.4	7.5	ND		ug/L	05/21/21	20:12	JZ	456782
DIPE	SW8260B	1.5	0.18	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,1-Dichloroethane	SW8260B	1.5	0.18	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
ETBE	SW8260B	1.5	0.096	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
cis-1,2-Dichloroethene	SW8260B	1.5	0.23	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
2,2-Dichloropropane	SW8260B	1.5	0.14	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Bromochloromethane	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Chloroform	SW8260B	1.5	0.18	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Carbon Tetrachloride	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,1,1-Trichloroethane	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,1-Dichloropropene	SW8260B	1.5	0.28	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Benzene	SW8260B	1.5	0.098	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
TAME	SW8260B	1.5	0.11	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,2-Dichloroethane	SW8260B	1.5	0.16	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Trichloroethylene	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Dibromomethane	SW8260B	1.5	0.16	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,2-Dichloropropane	SW8260B	1.5	0.13	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Bromodichloromethane	SW8260B	1.5	0.11	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
cis-1,3-Dichloropropene	SW8260B	1.5	0.12	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Toluene	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Tetrachloroethylene	SW8260B	1.5	0.36	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
trans-1,3-Dichloropropene	SW8260B	1.5	0.32	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,1,2-Trichloroethane	SW8260B	1.5	0.11	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Dibromochloromethane	SW8260B	1.5	0.27	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,3-Dichloropropane	SW8260B	1.5	0.32	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,2-Dibromoethane	SW8260B	1.5	0.12	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Chlorobenzene	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Ethylbenzene	SW8260B	1.5	0.29	0.75	ND		ug/L	05/21/21	20:12	JZ	456782



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	GW3	Lab Sample ID:	2105229-016A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030VOC	Prep Batch Date/Time: 5/21/21	11:15:00AM
Prep Batch ID: 1131979	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1.5	0.13	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
m,p-Xylene	SW8260B	1.5	0.59	1.5	ND		ug/L	05/21/21	20:12	JZ	456782
o-Xylene	SW8260B	1.5	0.23	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Styrene	SW8260B	1.5	0.16	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Bromoform	SW8260B	1.5	0.11	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Isopropyl Benzene	SW8260B	1.5	0.33	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
n-Propylbenzene	SW8260B	1.5	0.44	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
Bromobenzene	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,1,2,2-Tetrachloroethane	SW8260B	1.5	0.12	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
2-Chlorotoluene	SW8260B	1.5	0.38	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,3,5-Trimethylbenzene	SW8260B	1.5	0.36	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,2,3-Trichloropropane	SW8260B	1.5	0.22	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
4-Chlorotoluene	SW8260B	1.5	0.32	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
tert-Butylbenzene	SW8260B	1.5	0.40	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,2,4-Trimethylbenzene	SW8260B	1.5	0.35	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
sec-Butyl Benzene	SW8260B	1.5	0.44	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
p-Isopropyltoluene	SW8260B	1.5	0.40	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,3-Dichlorobenzene	SW8260B	1.5	0.25	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,4-Dichlorobenzene	SW8260B	1.5	0.26	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
n-Butylbenzene	SW8260B	1.5	0.41	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,2-Dichlorobenzene	SW8260B	1.5	0.24	0.75	ND		ug/L	05/21/21	20:12	JZ	456782
1,2-Dibromo-3-Chloropropane	SW8260B	1.5	1.1	3.0	ND		ug/L	05/21/21	20:12	JZ	456782
Hexachlorobutadiene	SW8260B	1.5	0.93	3.0	ND		ug/L	05/21/21	20:12	JZ	456782
1,2,4-Trichlorobenzene	SW8260B	1.5	1.4	3.0	ND		ug/L	05/21/21	20:12	JZ	456782
Naphthalene	SW8260B	1.5	1.8	3.0	ND		ug/L	05/21/21	20:12	JZ	456782
1,2,3-Trichlorobenzene	SW8260B	1.5	1.8	3.0	ND		ug/L	05/21/21	20:12	JZ	456782
(S) Dibromofluoromethane	SW8260B		61.2 - 131		108		%	05/21/21	20:12	JZ	456782
(S) Toluene-d8	SW8260B		75.1 - 127		100		%	05/21/21	20:12	JZ	456782
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		112		%	05/21/21	20:12	JZ	456782

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



SAMPLE RESULTS

Report prepared for: Stephen Fallon
 Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
 Date Reported: 05/30/21

Client Sample ID:	GW3	Lab Sample ID:	2105229-016A
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 5030GRO	Prep Batch Date/Time: 5/21/21 11:15:00AM
Prep Batch ID: 1131980	Prep Analyst: JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1.5	44	75	76.9	x	ug/L	05/21/21	20:12	JZ	456782
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		105		%	05/21/21	20:12	JZ	456782

NOTE: x - Does not match typical gasoline pattern. result is elevated due to individual peak of non-target compounds within range of C5-C12 quantified as Gasoline



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/30/21

Client Sample ID:	GW3	Lab Sample ID:	2105229-016B
Project Name/Location:	D Street	Sample Matrix:	Groundwater
Project Number:	P2021.000.416		
Date/Time Sampled:	05/20/21 /		
SDG:			

Prep Method: 3510_TPH	Prep Batch Date/Time: 5/26/21	11:39:00AM
Prep Batch ID: 1131989	Prep Analyst:	NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.046	0.13	0.140	x	mg/L	05/28/21	21:11	SN	456912
TPH as Motor Oil	SW8015B	1	0.14	0.50	ND		mg/L	05/28/21	21:11	SN	456912
			Acceptance Limits								
Pentacosane (S)	SW8015B		45 - 130		67.3		%	05/28/21	21:11	SN	456912

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range quantified as diesel



MB Summary Report

Work Order:	2105229	Prep Method:	6020S-P	Prep Date:	05/24/21	Prep Batch:	1131903
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	5/24/2021	Analytical Batch:	456744
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.12	1.0	ND	
Arsenic	0.21	1.0	ND	
Barium	0.84	1.0	ND	
Beryllium	0.16	1.0	ND	
Cadmium	0.084	1.0	ND	
Chromium	0.097	1.0	ND	
Cobalt	0.21	1.0	ND	
Copper	0.17	2.5	ND	
Lead	0.054	1.0	ND	
Molybdenum	0.13	1.0	ND	
Nickel	1.2	5.0	ND	
Selenium	0.035	2.5	ND	
Silver	0.098	1.0	ND	
Thallium	1.00	5.0	ND	
Vanadium	0.28	25	ND	
Zinc	0.70	2.5	ND	

Work Order:	2105229	Prep Method:	7471BP	Prep Date:	05/24/21	Prep Batch:	1131909
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	5/25/2021	Analytical Batch:	456750
Units:	mg/Kg						

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



MB Summary Report

Work Order:	2105229	Prep Method:	5030VOC	Prep Date:	05/21/21	Prep Batch:	1131979
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	5/21/2021	Analytical Batch:	456782
Units:	ug/L						

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



MB Summary Report

Work Order:	2105229	Prep Method:	5030VOC	Prep Date:	05/21/21	Prep Batch:	1131979
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	5/21/2021	Analytical Batch:	456782
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
n-Propylbenzene	0.30	0.50	ND		
Bromobenzene	0.15	0.50	ND		
1,1,2,2-Tetrachloroethane	0.079	0.50	ND		
2-Chlorotoluene	0.25	0.50	ND		
1,3,5-Trimethylbenzene	0.24	0.50	ND		
1,2,3-Trichloropropane	0.15	0.50	ND		
4-Chlorotoluene	0.22	0.50	ND		
tert-Butylbenzene	0.26	0.50	ND		
1,2,4-Trimethylbenzene	0.23	0.50	ND		
sec-Butyl Benzene	0.30	0.50	ND		
p-Isopropyltoluene	0.27	0.50	ND		
1,3-Dichlorobenzene	0.17	0.50	ND		
1,4-Dichlorobenzene	0.18	0.50	ND		
n-Butylbenzene	0.27	0.50	ND		
1,2-Dichlorobenzene	0.16	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND		
Hexachlorobutadiene	0.62	2.0	ND		
1,2,4-Trichlorobenzene	0.93	2.0	ND		
Naphthalene	1.2	2.0	ND		
1,2,3-Trichlorobenzene	1.2	2.0	ND		
(S) Dibromofluoromethane			97.2		
(S) Toluene-d8			99.6		
(S) 4-Bromofluorobenzene			99.9		

Work Order:	2105229	Prep Method:	5030GRO	Prep Date:	05/21/21	Prep Batch:	1131980
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	5/21/2021	Analytical Batch:	456782
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH(Gasoline)	29	50	ND		
(S) 4-Bromofluorobenzene			73.4		

Work Order:	2105229	Prep Method:	3510_TPH	Prep Date:	05/26/21	Prep Batch:	1131989
Matrix:	Water	Analytical Method:	SW8015B	Analyzed Date:	5/28/2021	Analytical Batch:	456912
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Diesel	0.037	0.10	ND		
TPH as Motor Oil	0.11	0.40	ND		
Pentacosane (S)			79.7		



MB Summary Report

Work Order:	2105229	Prep Method:	3546-PAH	Prep Date:	05/27/21	Prep Batch:	1132030
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	5/27/2021	Analytical Batch:	456861
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Naphthalene	11	200	ND	
2-Methylnaphthalene	10	200	ND	
1-Methylnaphthalene	12	200	ND	
Acenaphthylene	8.3	200	ND	
Acenaphthene	11	200	ND	
Fluorene	10	200	ND	
Phenanthrene	9.3	200	ND	
Anthracene	8.9	200	ND	
Fluoranthene	10	200	ND	
Pyrene	12	200	ND	
Benz[a]anthracene	9.8	200	ND	
Chrysene	15	200	ND	
Benzo[b]fluoranthene	12	200	ND	
Benzo[k]fluoranthene	8.1	200	ND	
Benzo[a]pyrene	9.8	200	ND	
Indeno[1,2,3-cd]pyrene	14	200	ND	
Dibenz[a,h]anthracene	13	200	ND	
Benzo[g,h,i]perylene	17	200	ND	
Nitrobenzene-d5 (S)			82.0	
2-Fluorobiphenyl (S)			87.8	
p-Terphenyl-d14 (S)			104	

Work Order:	2105229	Prep Method:	3546_TPH	Prep Date:	05/27/21	Prep Batch:	1132031
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	5/28/2021	Analytical Batch:	456879
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	
TPH as Motor Oil	3.2	10	ND	
Pentacosane (S)			122	



MB Summary Report

Work Order:	2105229	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132101
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456890
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	10	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
TBA	12	50	ND	
Diisopropyl ether	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
Ethyl tert-Butyl ether	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethylbenzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	3.8	
Styrene	1.6	10	2.7	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	3.3	



MB Summary Report

Work Order:	2105229	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132101
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456890
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	1.9	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	1.9	
1,3,5-Trimethylbenzene	1.6	10	2.3	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	1.9	
1,2,4-Trimethylbenzene	1.4	10	2.9	
sec-Butyl Benzene	1.6	10	2.1	
p-Isopropyltoluene	1.5	10	4.1	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	1.6	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	4.6	
Naphthalene	1.7	10	4.4	
1,2,3-Trichlorobenzene	1.7	10	2.2	
2-Butanone	2.3	10	4.9	
(S) Dibromofluoromethane			119	
(S) Toluene-d8			105	
(S) 4-Bromofluorobenzene			106	

Work Order:	2105229	Prep Method:	5035GRO	Prep Date:	05/28/21	Prep Batch:	1132104
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456890
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	43	100	ND	
(S) 4-Bromofluorobenzene			79.7	



MB Summary Report

Work Order:	2105229	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132123
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	120	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
TBA	12	50	ND	
Diisopropyl ether	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
Ethyl tert-Butyl ether	2.3	10	ND	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	ND	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethylbenzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	3.8	
Styrene	1.6	10	2.8	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	3.3	



MB Summary Report

Work Order:	2105229	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132123
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	1.9	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	1.9	
1,3,5-Trimethylbenzene	1.6	10	2.3	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	1.8	
1,2,4-Trimethylbenzene	1.4	10	2.9	
sec-Butyl Benzene	1.6	10	2.1	
p-Isopropyltoluene	1.5	10	4.1	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	1.5	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	4.5	
Naphthalene	1.7	10	4.1	
1,2,3-Trichlorobenzene	1.7	10	2.1	
2-Butanone	2.3	10	5.2	
(S) Dibromofluoromethane			111	
(S) Toluene-d8			106	
(S) 4-Bromofluorobenzene			105	

Work Order:	2105229	Prep Method:	5035GRO	Prep Date:	05/28/21	Prep Batch:	1132124
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Gasoline	43	100	45	
(S) 4-Bromofluorobenzene			89.7	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105229	Prep Method:	6020S-P	Prep Date:	05/24/21	Prep Batch:	1131903
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	5/24/2021	Analytical Batch:	456744
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.12	1.0	ND	25	86.1	86.1	0.000	80 - 120	30	
Arsenic	0.21	1.0	ND	25	85.5	85.4	0.000	80 - 120	30	
Barium	0.84	1.0	ND	25	88.4	90.5	2.24	80 - 120	30	
Beryllium	0.16	1.0	ND	25	103	102	0.778	80 - 120	30	
Cadmium	0.084	1.0	ND	25	97.5	97.0	0.411	80 - 120	30	
Chromium	0.097	1.0	ND	25	99.6	99.9	0.401	80 - 120	30	
Cobalt	0.21	1.0	ND	25	102	102	0.000	80 - 120	30	
Copper	0.17	2.5	ND	25	86.4	86.5	0.000	80 - 120	30	
Lead	0.054	1.0	ND	25	102	104	1.94	80 - 120	30	
Molybdenum	0.13	1.0	ND	25	91.9	91.0	1.31	80 - 120	30	
Nickel	1.2	5.0	ND	25	84.9	84.4	0.473	80 - 120	30	
Selenium	0.035	2.5	ND	25	86.0	85.5	0.466	80 - 120	30	
Silver	0.098	1.0	ND	25	103	103	0.387	80 - 120	30	
Thallium	1.00	5.0	ND	25	105	106	1.14	80 - 120	30	
Vanadium	0.28	25	ND	25	98.9	98.8	0.000	80 - 120	30	
Zinc	0.70	2.5	ND	25	86.8	86.5	0.462	80 - 120	30	

Work Order:	2105229	Prep Method:	7471BP	Prep Date:	05/24/21	Prep Batch:	1131909
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	5/25/2021	Analytical Batch:	456750
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	119	117	1.36	80 - 120	30	

Work Order:	2105229	Prep Method:	5030VOC	Prep Date:	05/21/21	Prep Batch:	1131979
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	5/21/2021	Analytical Batch:	456782
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	87.1	88.6	1.27	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	96.0	99.5	4.01	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	102	108	5.35	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	107	108	0.522	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	96.6	100	3.41	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	90.3	92.8		61.2 - 131		
(S) Toluene-d8				17.9	109	106		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	106	117		64.1 - 120		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105229	Prep Method:	5030GRO	Prep Date:	05/21/21	Prep Batch:	1131980
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	5/21/2021	Analytical Batch:	456782
Units:	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	ND	238	119	92.9	24.3	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	110	83.0		41.5 - 125		

Work Order:	2105229	Prep Method:	3510_TPH	Prep Date:	05/26/21	Prep Batch:	1131989
Matrix:	Water	Analytical Method:	SW8015B	Analyzed Date:	5/28/2021	Analytical Batch:	456912
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.037	0.10	ND	1.0	77.7	74.6	4.07	52 - 115	30	
Pentacosane (S)				200	73.4	77.3		59 - 129		

Work Order:	2105229	Prep Method:	3546-PAH	Prep Date:	05/27/21	Prep Batch:	1132030
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	5/27/2021	Analytical Batch:	456861
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Acenaphthene	11	200	ND	800.0	96.9	96.4	0.517	45 - 110	30	
Pyrene	12	200	ND	800.0	99.6	103	3.21	45 - 125	30	
Nitrobenzene-d5 (S)				11110	101	97.9		23 - 120		
2-Fluorobiphenyl (S)				11110	102	101		30 - 115		
p-Terphenyl-d14 (S)				11110	105	109		18 - 137		

Work Order:	2105229	Prep Method:	3546_TPH	Prep Date:	05/27/21	Prep Batch:	1132031
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	5/28/2021	Analytical Batch:	456879
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	25.0	77.9	86.2	10.2	52 - 115	30	
Pentacosane (S)				200	101	106		45 - 130		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105229	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132101
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456890
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	102	108	6.28	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	114	120	4.62	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	105	110	5.02	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	111	116	4.57	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	104	107	2.84	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	110	116		59.8 - 148		
(S) Toluene-d8				50.0	106	109		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	106	112		55.8 - 141		

Work Order:	2105229	Prep Method:	5035GRO	Prep Date:	05/28/21	Prep Batch:	1132104
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456890
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	ND	1000	89.3	86.4	3.30	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	100.	92.0		43.9 - 127		

Work Order:	2105229	Prep Method:	5035	Prep Date:	05/28/21	Prep Batch:	1132123
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/28/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	111	105	5.37	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	116	114	1.39	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	112	110	2.34	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	119	114	4.81	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	109	107	2.22	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	112	109		59.8 - 148		
(S) Toluene-d8				50.0	111	110		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	110	110		55.8 - 141		

Work Order:	2105229	Prep Method:	5035GRO	Prep Date:	05/28/21	Prep Batch:	1132124
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	5/29/2021	Analytical Batch:	456915
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	45	1000	93.9	83.5	11.7	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	95.5	93.5		43.9 - 127		



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105229	Prep Method:	6020S-P	Prep Date:	05/24/21	Prep Batch:	1131903
Matrix:	Soil	Analytical Method:	6020A	Analyzed Date:	5/24/2021	Analytical Batch:	456744
Spiked Sample:	2105229-002A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.12	1.0	ND	25	64.1	63.0	1.87	30.7 - 130	33	
Arsenic	0.21	1.0	2.53	25	84.4	83.9	0.425	71.0 - 121	33	
Barium	0.84	1.0	92.0	25	48.6	49.5	0.000	70.2 - 130	33	S
Beryllium	0.16	1.0	ND	25	106	105	0.746	73.3 - 125	33	
Cadmium	0.084	1.0	ND	25	101	101	0.000	88.7 - 110	33	
Chromium	0.097	1.0	19.7	25	102	100	0.891	76.0 - 116	33	
Cobalt	0.21	1.0	13.5	25	79.0	78.5	0.302	57.4 - 122	33	
Copper	0.17	2.5	11.4	25	85.0	82.1	2.17	74.8 - 119	33	
Lead	0.054	1.0	24.8	25	71.6	71.5	0.000	57.9 - 118	33	
Molybdenum	0.13	1.0	ND	25	88.1	87.4	0.901	62.9 - 123	33	
Nickel	1.2	5.0	14.5	25	80.9	78.1	2.04	61.5 - 122	33	
Selenium	0.035	2.5	ND	25	79.2	78.8	0.482	62.0 - 111	33	
Silver	0.098	1.0	ND	25	76.0	75.1	1.06	81.1 - 109	33	S
Thallium	1.00	5.0	ND	25	89.5	90.3	0.889	39.2 - 125	33	
Vanadium	0.28	25	ND	25	98.5	97.2	0.626	65.8 - 122	33	
Zinc	0.70	2.5	20.6	25	64.6	61.4	2.20	59.9 - 122	33	

Work Order:	2105229	Prep Method:	7471BP	Prep Date:	05/24/21	Prep Batch:	1131909
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	5/25/2021	Analytical Batch:	456750
Spiked Sample:	2105229-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	84.8	87.0	2.14	75 - 125	30	

Work Order:	2105229	Prep Method:	3546-PAH	Prep Date:	05/27/21	Prep Batch:	1132030
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	5/28/2021	Analytical Batch:	456861
Spiked Sample:	2105229-009A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Acenaphthene	0.107	2.00	ND	0.8000	76.2	80.7	5.90	45 - 110		
Pyrene	0.120	2.00	ND	0.8000	76.5	86.2	12.0	45 - 125		
Nitrobenzene-d5 (S)				11.11	70.8	77.5	9.04	23 - 120		
2-Fluorobiphenyl (S)				11.11	81.7	86.1	5.24	30 - 115		
p-Terphenyl-d14 (S)				11.11	75.1	79.9	6.19	18 - 137		



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105229	Prep Method:	3546_TPH	Prep Date:	05/27/21	Prep Batch:	1132031
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	5/28/2021	Analytical Batch:	456879
Spiked Sample:	2105229-010A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	1.70	4.00	12.8	25.0	69.0	66.5	2.35	52 - 115	30	
Pentacosane (S)				100	98.2	99.1		45 - 130		



Laboratory Qualifiers and Definitions

DEFINITIONS:

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

LABORATORY QUALIFIERS:

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



Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Date and Time Received: 5/21/2021 2:00:00PM

Project Name: D Street

Received By: NG

Work Order No.: 2105229

Physically Logged By: Katherene Evans

Checklist Completed By: Katherene Evans

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	<u>Yes</u>
Chain of custody signed when relinquished and received?	<u>Yes</u>
Chain of custody agrees with sample labels?	<u>No</u>
Custody seals intact on sample bottles?	<u>Not Present</u>

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>	
Container/Temp Blank temperature in compliance?	<u>No</u>	Temperature: 12.0 °C
Water-VOA vials have zero headspace?	<u>Yes</u>	
Water-pH acceptable upon receipt?	<u>N/A</u>	
pH Checked by: na		pH Adjusted by: na

Comments:

Samples rec'd on ice

*Discrepancies between CoC and sample liners for two samples:

-did not receive a sample S7@30-36" per CoC; however, received a sample labeled as S7@18-24"; ID logged in per sample liner (-001A).

-did not receive a sample S8@18-24" per CoC; however, received a sample labeled as S8@30-36"; ID logged in per sample liner (-004A).



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 5/26/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : **2105229**

<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>
2105229-001A	S7@18-24"	05/20/21	Soil	11/16/21			Hg_S_7471B VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
<u>Sample Note:</u>								
2105229-002A	S8@0-6"	05/20/21	Soil	11/16/21			Hg_S_7471B VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
2105229-003A	S8@12-18"	05/20/21	Soil	11/16/21			Hg_S_7471B VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
2105229-004A	S8@30-36"	05/20/21	Soil	11/16/21			Hg_S_7471B VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
2105229-005A	S9	05/20/21	Soil	11/16/21			Hg_S_7471B PAH_S_8270C VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg Met_S_6020CAM17 TPHDO_S_8015(Mod) Met_S_6010B CAM17	



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 5/26/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : 2105229

<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>
Sample Note: Pls report PAHs in mg/kg								
2105229-006A	S10	05/20/21	Soil	11/16/21			Hg_S_7471B PAH_S_8270C VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg Met_S_6020CAM17 TPHDO_S_8015(Mod) Met_S_6010B CAM17	
2105229-007A	S11	05/20/21	Soil	11/16/21			Hg_S_7471B PAH_S_8270C VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
2105229-008A	S12	05/20/21	Soil	11/16/21			Hg_S_7471B PAH_S_8270C VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg Met_S_6020CAM17 TPHDO_S_8015(Mod) Met_S_6010B CAM17	
2105229-009A	S13	05/20/21	Soil	11/16/21			Hg_S_7471B PAH_S_8270C VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
2105229-010A	S14	05/20/21	Soil	11/16/21			Hg_S_7471B PAH_S_8270C	



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 5/26/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : 2105229

<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>
2105229-011A	S15	05/20/21	Soil	11/16/21			VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
2105229-012A	S16	05/20/21	Soil	11/16/21			Hg_S_7471B PAH_S_8270C VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
2105229-013A	S17	05/20/21	Soil	11/16/21			Hg_S_7471B PAH_S_8270C VOC_S_8260B mg/Kg VOC_S_GRO mg/Kg TPHDO_S_8015(Mod) Met_S_6020CAM17	
2105229-014A	GW1	05/20/21	Water	07/04/21			VOC_W_8260B VOC_W_GRO	
2105229-014B	GW1	05/20/21	Water	07/04/21			TPHDO_W_8015B(M)	
2105229-015A	GW2	05/20/21	Water	07/04/21			VOC_W_8260B VOC_W_GRO	
2105229-015B	GW2	05/20/21	Water	07/04/21			TPHDO_W_8015B(M)	



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 5/26/2021

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : **2105229**

<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>
2105229-016A	GW3	05/20/21	Water	07/04/21			VOC_W_8260B VOC_W_GRO	
2105229-016B	GW3	05/20/21	Water	07/04/21			TPHDO_W_8015B(M)	



CHAIN OF CUSTODY RECORD

2105229

PROJECT NUMBER P2021.000.416		PROJECT NAME D STREET					SAMPLER		PRESERVATIVE		REMARKS REQUIRED DETECTION LIMITS	
SAMPLER: (SIGNATURE/PRINT) CHRIS CHENG, STEPHEN FALLON							CAM-17 (EPA 6020.7471)		TPH-g & VOCs (EPA 8260)			
PROJECT MANAGER: (SIGNATURE/PRINT) STEPHEN FALLON							TPH-d/mo (EPA 8015)		PAHs (EPA 8270)			
ROUTING: E-MAIL rpeck@engeo.com; ccheng@engeo.com; sfallon@engeo.com												
SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE						
S7 @ 30-36"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X		001A	
S8 @ 0-6"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X		002A	
S8 @ 12-18"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X		003A	
S8 @ 18-24"	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X		004A	
S9	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	005A	
S10	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	006A	
S11	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	007A	
S12	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	008A	
S13	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	009A	
S14	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	010A	
S15	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	011A	
S16	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	012A	
S17	5/20/2021		SOIL	1	SLEEVE	ICE/NA	X	X	X	X	013A	
GW1	5/20/2021		WATER	5	VARIES	VARIES	X	X			014AB	
GW2	5/20/2021		WATER	5	VARIES	VARIES	X	X			015AB	
GW3	5/20/2021		WATER	5	VARIES	VARIES	X	X			016AB	
	5/20/2021					ICE/NA					Temp. 12°C	
	5/20/2021					ICE/NA					#2	
	5/20/2021					ICE/NA						
	5/20/2021					ICE/NA						
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)		
	5/20/21 6:45pm		5/21/21 2:00 PM		5/21/21 2:00 PM					NAVIN G.		
	5/20/21 2:00pm											
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS								

ENGEO INCORPORATED

FedEx City

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

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: D Street

Work Order No.: 2105227

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 3 sample(s) on May 21, 2021 for the analyses presented in the following Report.

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

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

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

Kathie Evans
Project Manager

May 28, 2021

Date



Date: 5/28/2021

Client: Engeo (San Ramon)

Project: D Street

Work Order: 2105227

CASE NARRATIVE

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

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

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

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



Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/28/21

SV1

2105227-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Carbon Dioxide	D1946	2.6	0.026	0.13	3.4%
Hydrogen	D1946	2.6	0.046	0.13	0.83%
Oxygen	D1946	2.6	0.027	0.13	11%
Nitrogen	D1946	2.6	0.068	0.13	78%
Trichlorofluoromethane	ETO15	6	3.3	17	720
Carbon Disulfide	ETO15	6	2.2	9.3	16
Hexane	ETO15	6	2.8	11	17
tert-Butanol	ETO15	6	3.7	9.1	19
Benzene	ETO15	6	2.6	9.6	13
Toluene	ETO15	6	4.5	11	15
m,p-Xylene	ETO15	6	5.9	13	24

SV2

2105227-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Carbon Dioxide	D1946	2.5	0.025	0.13	5.4%
Hydrogen	D1946	2.5	0.044	0.13	0.64%
Oxygen	D1946	2.5	0.026	0.13	9.8%
Nitrogen	D1946	2.5	0.065	0.13	78%
Carbon Disulfide	ETO15	1	0.37	1.6	10
Methylene Chloride	ETO15	1	0.70	10	17
Acetone	ETO15	1	0.40	12	120
Hexane	ETO15	1	0.46	1.8	24
2-Butanone (MEK)	ETO15	1	0.39	1.5	35
Benzene	ETO15	1	0.44	1.6	22
Trichloroethylene	ETO15	1	0.81	2.7	77
Toluene	ETO15	1	0.75	1.9	16
Tetrachloroethylene	ETO15	1	1.5	3.4	8.5
Ethyl Benzene	ETO15	1	0.63	2.2	3.3
m,p-Xylene	ETO15	1	0.98	2.2	5.1
o-Xylene	ETO15	1	0.30	2.2	2.2



Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/21/21

Date Reported: 05/28/21

SV3

2105227-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Carbon Dioxide	D1946	2.5	0.025	0.13	0.41%
Hydrogen	D1946	2.5	0.044	0.13	0.76%
Oxygen	D1946	2.5	0.026	0.13	15%
Nitrogen	D1946	2.5	0.065	0.13	78%
Carbon Disulfide	ETO15	2	0.75	3.1	11
Acetone	ETO15	2	0.79	24	50
Hexane	ETO15	2	0.93	3.5	29
Benzene	ETO15	2	0.87	3.2	21
Trichloroethylene	ETO15	2	1.6	5.4	26
Toluene	ETO15	2	1.5	3.8	19
Tetrachloroethylene	ETO15	2	2.9	6.8	11
m,p-Xylene	ETO15	2	2.0	4.3	7.8
4-Ethyl Toluene	ETO15	2	1.1	4.9	10
1,2,4-Trimethylbenzene	ETO15	2	1.2	4.9	13



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV1	Lab Sample ID: 2105227-001A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: A7568	Received PSI : 12.9
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: FG-P	Prep Batch Date/Time: 5/25/21	1:00:00PM
Prep Batch ID: 1131970	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	2.60	0.026	0.13	3.4			05/25/21	15:32	BA	456763
Ethene	D1946	2.60	0.029	0.13	ND	ND		05/25/21	15:32	BA	456763
Ethane	D1946	2.60	0.034	0.13	ND	ND		05/25/21	15:32	BA	456763
Hydrogen	D1946	2.60	0.046	0.13	0.83			05/25/21	15:32	BA	456763
Oxygen	D1946	2.60	0.027	0.13	11			05/25/21	15:32	BA	456763
Nitrogen	D1946	2.60	0.068	0.13	78			05/25/21	15:32	BA	456763
Methane	D1946	2.60	0.0061	0.013	ND	ND		05/25/21	15:32	BA	456763
Carbon Monoxide	D1946	2.60	0.051	0.13	ND	ND		05/25/21	15:32	BA	456763

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	6.00	9.4	15	ND	ND		05/23/21	1:29	BA	456691
1,1-Difluoroethane	ETO15	6.00	2.1	81	ND	ND		05/23/21	1:29	BA	456691
1,2-Dichlorotetrafluoroethane	ETO15	6.00	8.4	21	ND	ND		05/23/21	1:29	BA	456691
Chloromethane	ETO15	6.00	12	25	ND	ND		05/23/21	1:29	BA	456691
Vinyl Chloride	ETO15	6.00	1.4	7.7	ND	ND		05/23/21	1:29	BA	456691
1,3-Butadiene	ETO15	6.00	2.0	6.6	ND	ND		05/23/21	1:29	BA	456691
Bromomethane	ETO15	6.00	3.9	12	ND	ND		05/23/21	1:29	BA	456691
Chloroethane	ETO15	6.00	4.9	7.9	ND	ND		05/23/21	1:29	BA	456691
Trichlorofluoromethane	ETO15	6.00	3.3	17	720	128.11		05/23/21	1:29	BA	456691
1,1-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		05/23/21	1:29	BA	456691
Freon 113	ETO15	6.00	6.1	23	ND	ND		05/23/21	1:29	BA	456691
Carbon Disulfide	ETO15	6.00	2.2	9.3	16	5.14		05/23/21	1:29	BA	456691
2-Propanol (Isopropyl Alcohol)	ETO15	6.00	7.7	74	ND	ND		05/23/21	1:29	BA	456691
Methylene Chloride	ETO15	6.00	4.2	62	ND	ND		05/23/21	1:29	BA	456691
Acetone	ETO15	6.00	2.4	71	ND	ND		05/23/21	1:29	BA	456691
trans-1,2-Dichloroethene	ETO15	6.00	2.9	12	ND	ND		05/23/21	1:29	BA	456691
Hexane	ETO15	6.00	2.8	11	17	4.83		05/23/21	1:29	BA	456691
MTBE	ETO15	6.00	2.7	11	ND	ND		05/23/21	1:29	BA	456691



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV1	Lab Sample ID: 2105227-001A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: A7568	Received PSI : 12.9
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
tert-Butanol	ETO15	6.00	3.7	9.1	19	6.27		05/23/21	1:29	BA	456691
Diisopropyl ether (DIPE)	ETO15	6.00	4.4	13	ND	ND		05/23/21	1:29	BA	456691
1,1-Dichloroethane	ETO15	6.00	3.3	12	ND	ND		05/23/21	1:29	BA	456691
ETBE	ETO15	6.00	2.0	13	ND	ND		05/23/21	1:29	BA	456691
cis-1,2-Dichloroethene	ETO15	6.00	5.0	12	ND	ND		05/23/21	1:29	BA	456691
Chloroform	ETO15	6.00	5.8	15	ND	ND		05/23/21	1:29	BA	456691
Vinyl Acetate	ETO15	6.00	4.5	11	ND	ND		05/23/21	1:29	BA	456691
Carbon Tetrachloride	ETO15	6.00	6.6	19	ND	ND		05/23/21	1:29	BA	456691
1,1,1-Trichloroethane	ETO15	6.00	4.8	16	ND	ND		05/23/21	1:29	BA	456691
2-Butanone (MEK)	ETO15	6.00	2.3	8.9	ND	ND		05/23/21	1:29	BA	456691
Ethyl Acetate	ETO15	6.00	2.9	11	ND	ND		05/23/21	1:29	BA	456691
Tetrahydrofuran	ETO15	6.00	2.7	8.9	ND	ND		05/23/21	1:29	BA	456691
Benzene	ETO15	6.00	2.6	9.6	13	4.08		05/23/21	1:29	BA	456691
TAME	ETO15	6.00	4.0	13	ND	ND		05/23/21	1:29	BA	456691
1,2-Dichloroethane (EDC)	ETO15	6.00	2.5	12	ND	ND		05/23/21	1:29	BA	456691
Trichloroethylene	ETO15	6.00	4.8	16	ND	ND		05/23/21	1:29	BA	456691
1,2-Dichloropropane	ETO15	6.00	4.6	14	ND	ND		05/23/21	1:29	BA	456691
Bromodichloromethane	ETO15	6.00	4.5	20	ND	ND		05/23/21	1:29	BA	456691
1,4-Dioxane	ETO15	6.00	11	22	ND	ND		05/23/21	1:29	BA	456691
trans-1,3-Dichloropropene	ETO15	6.00	6.4	14	ND	ND		05/23/21	1:29	BA	456691
Toluene	ETO15	6.00	4.5	11	15	3.98		05/23/21	1:29	BA	456691
4-Methyl-2-Pentanone (MIBK)	ETO15	6.00	4.5	12	ND	ND		05/23/21	1:29	BA	456691
cis-1,3-Dichloropropene	ETO15	6.00	2.5	14	ND	ND		05/23/21	1:29	BA	456691
Tetrachloroethylene	ETO15	6.00	8.7	20	ND	ND		05/23/21	1:29	BA	456691
1,1,2-Trichloroethane	ETO15	6.00	3.5	16	ND	ND		05/23/21	1:29	BA	456691
Dibromochloromethane	ETO15	6.00	6.7	26	ND	ND		05/23/21	1:29	BA	456691
1,2-Dibromoethane (EDB)	ETO15	6.00	4.4	23	ND	ND		05/23/21	1:29	BA	456691
2-Hexanone	ETO15	6.00	3.9	12	ND	ND		05/23/21	1:29	BA	456691
Ethyl Benzene	ETO15	6.00	3.8	13	ND	ND		05/23/21	1:29	BA	456691
Chlorobenzene	ETO15	6.00	3.6	14	ND	ND		05/23/21	1:29	BA	456691
1,1,1,2-Tetrachloroethane	ETO15	6.00	5.0	21	ND	ND		05/23/21	1:29	BA	456691
m,p-Xylene	ETO15	6.00	5.9	13	24	5.53		05/23/21	1:29	BA	456691
o-Xylene	ETO15	6.00	1.8	13	ND	ND		05/23/21	1:29	BA	456691



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV1	Lab Sample ID: 2105227-001A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: A7568	Received PSI : 12.9
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Styrene	ETO15	6.00	2.8	13	ND	ND		05/23/21	1:29	BA	456691
Bromoform	ETO15	6.00	7.8	31	ND	ND		05/23/21	1:29	BA	456691
1,1,2,2-Tetrachloroethane	ETO15	6.00	4.9	21	ND	ND		05/23/21	1:29	BA	456691
4-Ethyl Toluene	ETO15	6.00	3.3	15	ND	ND		05/23/21	1:29	BA	456691
1,3,5-Trimethylbenzene	ETO15	6.00	1.8	15	ND	ND		05/23/21	1:29	BA	456691
1,2,4-Trimethylbenzene	ETO15	6.00	3.6	15	ND	ND		05/23/21	1:29	BA	456691
1,4-Dichlorobenzene	ETO15	6.00	4.5	18	ND	ND		05/23/21	1:29	BA	456691
1,3-Dichlorobenzene	ETO15	6.00	8.0	18	ND	ND		05/23/21	1:29	BA	456691
1,2-Dichlorobenzene	ETO15	6.00	6.4	18	ND	ND		05/23/21	1:29	BA	456691
Hexachlorobutadiene	ETO15	6.00	11	32	ND	ND		05/23/21	1:29	BA	456691
1,2,4-Trichlorobenzene	ETO15	6.00	13	22	ND	ND		05/23/21	1:29	BA	456691
Naphthalene	ETO15	6.00	7.6	16	ND	ND		05/23/21	1:29	BA	456691
(S) 4-Bromofluorobenzene	ETO15	6.00	50	150	93 %			05/23/21	1:29	BA	456691



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV2	Lab Sample ID: 2105227-002A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: N3953	Received PSI : 12.0
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: FG-P	Prep Batch Date/Time: 5/25/21	1:00:00PM
Prep Batch ID: 1131970	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	2.50	0.025	0.13	5.4			05/25/21	15:49	BA	456763
Ethene	D1946	2.50	0.028	0.13	ND	ND		05/25/21	15:49	BA	456763
Ethane	D1946	2.50	0.033	0.13	ND	ND		05/25/21	15:49	BA	456763
Hydrogen	D1946	2.50	0.044	0.13	0.64			05/25/21	15:49	BA	456763
Oxygen	D1946	2.50	0.026	0.13	9.8			05/25/21	15:49	BA	456763
Nitrogen	D1946	2.50	0.065	0.13	78			05/25/21	15:49	BA	456763
Methane	D1946	2.50	0.0059	0.013	ND	ND		05/25/21	15:49	BA	456763
Carbon Monoxide	D1946	2.50	0.049	0.13	ND	ND		05/25/21	15:49	BA	456763

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	1.00	1.6	2.5	ND	ND		05/23/21	1:54	BA	456691
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		05/23/21	1:54	BA	456691
1,2-Dichlorotetrafluoroethane	ETO15	1.00	1.4	3.5	ND	ND		05/23/21	1:54	BA	456691
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		05/23/21	1:54	BA	456691
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		05/23/21	1:54	BA	456691
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		05/23/21	1:54	BA	456691
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		05/23/21	1:54	BA	456691
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		05/23/21	1:54	BA	456691
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		05/23/21	1:54	BA	456691
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		05/23/21	1:54	BA	456691
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		05/23/21	1:54	BA	456691
Carbon Disulfide	ETO15	1.00	0.37	1.6	10	3.22		05/23/21	1:54	BA	456691
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		05/23/21	1:54	BA	456691
Methylene Chloride	ETO15	1.00	0.70	10	17	4.90		05/23/21	1:54	BA	456691
Acetone	ETO15	1.00	0.40	12	120	50.42		05/23/21	1:54	BA	456691
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		05/23/21	1:54	BA	456691
Hexane	ETO15	1.00	0.46	1.8	24	6.82		05/23/21	1:54	BA	456691
MTBE	ETO15	1.00	0.44	1.8	ND	ND		05/23/21	1:54	BA	456691



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV2	Lab Sample ID: 2105227-002A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: N3953	Received PSI : 12.0
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		05/23/21	1:54	BA	456691
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		05/23/21	1:54	BA	456691
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		05/23/21	1:54	BA	456691
ETBE	ETO15	1.00	0.33	2.1	ND	ND		05/23/21	1:54	BA	456691
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		05/23/21	1:54	BA	456691
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		05/23/21	1:54	BA	456691
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		05/23/21	1:54	BA	456691
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		05/23/21	1:54	BA	456691
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		05/23/21	1:54	BA	456691
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	35	11.86		05/23/21	1:54	BA	456691
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		05/23/21	1:54	BA	456691
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		05/23/21	1:54	BA	456691
Benzene	ETO15	1.00	0.44	1.6	22	6.90		05/23/21	1:54	BA	456691
TAME	ETO15	1.00	0.67	2.1	ND	ND		05/23/21	1:54	BA	456691
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		05/23/21	1:54	BA	456691
Trichloroethylene	ETO15	1.00	0.81	2.7	77	14.34		05/23/21	1:54	BA	456691
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		05/23/21	1:54	BA	456691
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		05/23/21	1:54	BA	456691
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		05/23/21	1:54	BA	456691
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		05/23/21	1:54	BA	456691
Toluene	ETO15	1.00	0.75	1.9	16	4.24		05/23/21	1:54	BA	456691
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		05/23/21	1:54	BA	456691
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		05/23/21	1:54	BA	456691
Tetrachloroethylene	ETO15	1.00	1.5	3.4	8.5	1.25		05/23/21	1:54	BA	456691
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		05/23/21	1:54	BA	456691
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		05/23/21	1:54	BA	456691
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		05/23/21	1:54	BA	456691
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		05/23/21	1:54	BA	456691
Ethyl Benzene	ETO15	1.00	0.63	2.2	3.3	0.76		05/23/21	1:54	BA	456691
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		05/23/21	1:54	BA	456691
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		05/23/21	1:54	BA	456691
m,p-Xylene	ETO15	1.00	0.98	2.2	5.1	1.18		05/23/21	1:54	BA	456691
o-Xylene	ETO15	1.00	0.30	2.2	2.2	0.51		05/23/21	1:54	BA	456691



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV2	Lab Sample ID: 2105227-002A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: N3953	Received PSI : 12.0
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Styrene	ETO15	1.00	0.46	2.1	ND	ND		05/23/21	1:54	BA	456691
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		05/23/21	1:54	BA	456691
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		05/23/21	1:54	BA	456691
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		05/23/21	1:54	BA	456691
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		05/23/21	1:54	BA	456691
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		05/23/21	1:54	BA	456691
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		05/23/21	1:54	BA	456691
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		05/23/21	1:54	BA	456691
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		05/23/21	1:54	BA	456691
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		05/23/21	1:54	BA	456691
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		05/23/21	1:54	BA	456691
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		05/23/21	1:54	BA	456691
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	95 %			05/23/21	1:54	BA	456691



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV3	Lab Sample ID: 2105227-003A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: A7482	Received PSI : 11.4
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: FG-P	Prep Batch Date/Time: 5/25/21	1:00:00PM
Prep Batch ID: 1131970	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Dioxide	D1946	2.50	0.025	0.13	0.41			05/25/21	16:24	BA	456763
Ethene	D1946	2.50	0.028	0.13	ND	ND		05/25/21	16:24	BA	456763
Ethane	D1946	2.50	0.033	0.13	ND	ND		05/25/21	16:24	BA	456763
Hydrogen	D1946	2.50	0.044	0.13	0.76			05/25/21	16:24	BA	456763
Oxygen	D1946	2.50	0.026	0.13	15			05/25/21	16:24	BA	456763
Nitrogen	D1946	2.50	0.065	0.13	78			05/25/21	16:24	BA	456763
Methane	D1946	2.50	0.0059	0.013	ND	ND		05/25/21	16:24	BA	456763
Carbon Monoxide	D1946	2.50	0.049	0.13	ND	ND		05/25/21	16:24	BA	456763

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	ETO15	2.00	3.1	5.0	ND	ND		05/23/21	2:18	BA	456691
1,1-Difluoroethane	ETO15	2.00	0.69	27	ND	ND		05/23/21	2:18	BA	456691
1,2-Dichlorotetrafluoroethane	ETO15	2.00	2.8	7.0	ND	ND		05/23/21	2:18	BA	456691
Chloromethane	ETO15	2.00	4.1	8.3	ND	ND		05/23/21	2:18	BA	456691
Vinyl Chloride	ETO15	2.00	0.45	2.6	ND	ND		05/23/21	2:18	BA	456691
1,3-Butadiene	ETO15	2.00	0.68	2.2	ND	ND		05/23/21	2:18	BA	456691
Bromomethane	ETO15	2.00	1.3	3.9	ND	ND		05/23/21	2:18	BA	456691
Chloroethane	ETO15	2.00	1.6	2.6	ND	ND		05/23/21	2:18	BA	456691
Trichlorofluoromethane	ETO15	2.00	1.1	5.6	ND	ND		05/23/21	2:18	BA	456691
1,1-Dichloroethene	ETO15	2.00	1.7	4.0	ND	ND		05/23/21	2:18	BA	456691
Freon 113	ETO15	2.00	2.0	7.7	ND	ND		05/23/21	2:18	BA	456691
Carbon Disulfide	ETO15	2.00	0.75	3.1	11	3.54		05/23/21	2:18	BA	456691
2-Propanol (Isopropyl Alcohol)	ETO15	2.00	2.6	25	ND	ND		05/23/21	2:18	BA	456691
Methylene Chloride	ETO15	2.00	1.4	21	ND	ND		05/23/21	2:18	BA	456691
Acetone	ETO15	2.00	0.79	24	50	21.01		05/23/21	2:18	BA	456691
trans-1,2-Dichloroethene	ETO15	2.00	0.95	4.0	ND	ND		05/23/21	2:18	BA	456691
Hexane	ETO15	2.00	0.93	3.5	29	8.24		05/23/21	2:18	BA	456691
MTBE	ETO15	2.00	0.89	3.6	ND	ND		05/23/21	2:18	BA	456691



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV3	Lab Sample ID: 2105227-003A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: A7482	Received PSI : 11.4
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
tert-Butanol	ETO15	2.00	1.2	3.0	ND	ND		05/23/21	2:18	BA	456691
Diisopropyl ether (DIPE)	ETO15	2.00	1.5	4.2	ND	ND		05/23/21	2:18	BA	456691
1,1-Dichloroethane	ETO15	2.00	1.1	4.1	ND	ND		05/23/21	2:18	BA	456691
ETBE	ETO15	2.00	0.65	4.2	ND	ND		05/23/21	2:18	BA	456691
cis-1,2-Dichloroethene	ETO15	2.00	1.7	4.0	ND	ND		05/23/21	2:18	BA	456691
Chloroform	ETO15	2.00	1.9	4.9	ND	ND		05/23/21	2:18	BA	456691
Vinyl Acetate	ETO15	2.00	1.5	3.5	ND	ND		05/23/21	2:18	BA	456691
Carbon Tetrachloride	ETO15	2.00	2.2	6.3	ND	ND		05/23/21	2:18	BA	456691
1,1,1-Trichloroethane	ETO15	2.00	1.6	5.5	ND	ND		05/23/21	2:18	BA	456691
2-Butanone (MEK)	ETO15	2.00	0.78	3.0	ND	ND		05/23/21	2:18	BA	456691
Ethyl Acetate	ETO15	2.00	0.95	3.6	ND	ND		05/23/21	2:18	BA	456691
Tetrahydrofuran	ETO15	2.00	0.90	3.0	ND	ND		05/23/21	2:18	BA	456691
Benzene	ETO15	2.00	0.87	3.2	21	6.58		05/23/21	2:18	BA	456691
TAME	ETO15	2.00	1.3	4.2	ND	ND		05/23/21	2:18	BA	456691
1,2-Dichloroethane (EDC)	ETO15	2.00	0.84	4.1	ND	ND		05/23/21	2:18	BA	456691
Trichloroethylene	ETO15	2.00	1.6	5.4	26	4.84		05/23/21	2:18	BA	456691
1,2-Dichloropropane	ETO15	2.00	1.5	4.6	ND	ND		05/23/21	2:18	BA	456691
Bromodichloromethane	ETO15	2.00	1.5	6.7	ND	ND		05/23/21	2:18	BA	456691
1,4-Dioxane	ETO15	2.00	3.6	7.2	ND	ND		05/23/21	2:18	BA	456691
trans-1,3-Dichloropropene	ETO15	2.00	2.1	4.5	ND	ND		05/23/21	2:18	BA	456691
Toluene	ETO15	2.00	1.5	3.8	19	5.04		05/23/21	2:18	BA	456691
4-Methyl-2-Pentanone (MIBK)	ETO15	2.00	1.5	4.1	ND	ND		05/23/21	2:18	BA	456691
cis-1,3-Dichloropropene	ETO15	2.00	0.84	4.5	ND	ND		05/23/21	2:18	BA	456691
Tetrachloroethylene	ETO15	2.00	2.9	6.8	11	1.62		05/23/21	2:18	BA	456691
1,1,2-Trichloroethane	ETO15	2.00	1.2	5.5	ND	ND		05/23/21	2:18	BA	456691
Dibromochloromethane	ETO15	2.00	2.2	8.5	ND	ND		05/23/21	2:18	BA	456691
1,2-Dibromoethane (EDB)	ETO15	2.00	1.5	7.7	ND	ND		05/23/21	2:18	BA	456691
2-Hexanone	ETO15	2.00	1.3	4.1	ND	ND		05/23/21	2:18	BA	456691
Ethyl Benzene	ETO15	2.00	1.3	4.3	ND	ND		05/23/21	2:18	BA	456691
Chlorobenzene	ETO15	2.00	1.2	4.6	ND	ND		05/23/21	2:18	BA	456691
1,1,1,2-Tetrachloroethane	ETO15	2.00	1.7	6.9	ND	ND		05/23/21	2:18	BA	456691
m,p-Xylene	ETO15	2.00	2.0	4.3	7.8	1.80		05/23/21	2:18	BA	456691
o-Xylene	ETO15	2.00	0.61	4.3	ND	ND		05/23/21	2:18	BA	456691



SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/21/21, 2:00 pm
Date Reported: 05/28/21

Client Sample ID: SV3	Lab Sample ID: 2105227-003A
Project Name/Location: D Street	Sample Matrix: Soil Vapor
Project Number: P2021.000.416	
Date/Time Sampled: 05/20/21 /	Certified Clean WO # :
Canister/Tube ID: A7482	Received PSI : 11.4
Collection Volume (L):	Corrected PSI :
SDG:	

Prep Method: TO15-P	Prep Batch Date/Time: 5/22/21	6:00:00AM
Prep Batch ID: 1131887	Prep Analyst: BALI	

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Styrene	ETO15	2.00	0.93	4.3	ND	ND		05/23/21	2:18	BA	456691
Bromoform	ETO15	2.00	2.6	10	ND	ND		05/23/21	2:18	BA	456691
1,1,2,2-Tetrachloroethane	ETO15	2.00	1.6	6.9	ND	ND		05/23/21	2:18	BA	456691
4-Ethyl Toluene	ETO15	2.00	1.1	4.9	10	2.03		05/23/21	2:18	BA	456691
1,3,5-Trimethylbenzene	ETO15	2.00	0.60	4.9	ND	ND		05/23/21	2:18	BA	456691
1,2,4-Trimethylbenzene	ETO15	2.00	1.2	4.9	13	2.64		05/23/21	2:18	BA	456691
1,4-Dichlorobenzene	ETO15	2.00	1.5	6.0	ND	ND		05/23/21	2:18	BA	456691
1,3-Dichlorobenzene	ETO15	2.00	2.7	6.0	ND	ND		05/23/21	2:18	BA	456691
1,2-Dichlorobenzene	ETO15	2.00	2.1	6.0	ND	ND		05/23/21	2:18	BA	456691
Hexachlorobutadiene	ETO15	2.00	3.7	11	ND	ND		05/23/21	2:18	BA	456691
1,2,4-Trichlorobenzene	ETO15	2.00	4.3	7.4	ND	ND		05/23/21	2:18	BA	456691
Naphthalene	ETO15	2.00	2.5	5.2	ND	ND		05/23/21	2:18	BA	456691
(S) 4-Bromofluorobenzene	ETO15	2.00	50	150	96 %			05/23/21	2:18	BA	456691



MB Summary Report

Work Order:	2105227	Prep Method:	TO15-P	Prep Date:	05/22/21	Prep Batch:	1131887
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	5/22/2021	Analytical Batch:	456691
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.32	0.50	ND		
1,1-Difluoroethane	0.13	5.0	0.52		
1,2-Dichlorotetrafluoroethane	0.20	0.50	ND		
Chloromethane	0.99	2.0	ND		
Vinyl Chloride	0.088	0.50	ND		
1,3-Butadiene	0.15	0.50	ND		
Bromomethane	0.17	0.50	ND		
Chloroethane	0.31	0.50	ND		
Trichlorofluoromethane	0.099	0.50	ND		
1,1-Dichloroethene	0.21	0.50	ND		
Freon 113	0.13	0.50	ND		
Carbon Disulfide	0.12	0.50	ND		
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND		
Methylene Chloride	0.20	3.0	ND		
Acetone	0.17	5.0	ND		
trans-1,2-Dichloroethene	0.12	0.50	ND		
Hexane	0.13	0.50	ND		
MTBE	0.12	0.50	ND		
tert-Butanol	0.20	0.50	ND		
Diisopropyl ether (DIPE)	0.18	0.50	ND		
1,1-Dichloroethane	0.13	0.50	ND		
ETBE	0.078	0.50	ND		
cis-1,2-Dichloroethene	0.21	0.50	ND		
Chloroform	0.20	0.50	ND		
Vinyl Acetate	0.22	0.50	0.23		
Carbon Tetrachloride	0.18	0.50	ND		
1,1,1-Trichloroethane	0.15	0.50	ND		
2-Butanone (MEK)	0.13	0.50	0.13		
Ethyl Acetate	0.13	0.50	0.24		
Tetrahydrofuran	0.15	0.50	0.15		
Benzene	0.14	0.50	0.19		
TAME	0.16	0.50	ND		
1,2-Dichloroethane (EDC)	0.10	0.50	ND		
Trichloroethylene	0.15	0.50	ND		
1,2-Dichloropropane	0.17	0.50	ND		
Bromodichloromethane	0.11	0.50	ND		
1,4-Dioxane	0.50	1.0	ND		
trans-1,3-Dichloropropene	0.23	0.50	ND		
Toluene	0.20	0.50	ND		
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND		
cis-1,3-Dichloropropene	0.093	0.50	ND		
Tetrachloroethylene	0.22	0.50	ND		



MB Summary Report

Work Order:	2105227	Prep Method:	TO15-P	Prep Date:	05/22/21	Prep Batch:	1131887
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	5/22/2021	Analytical Batch:	456691
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
1,1,2-Trichloroethane	0.11	0.50	ND		
Dibromochloromethane	0.13	0.50	ND		
1,2-Dibromoethane (EDB)	0.096	0.50	ND		
2-Hexanone	0.16	0.50	ND		
Ethyl Benzene	0.15	0.50	ND		
Chlorobenzene	0.13	0.50	ND		
1,1,1,2-Tetrachloroethane	0.12	0.50	ND		
m,p-Xylene	0.23	0.50	ND		
o-Xylene	0.070	0.50	ND		
Styrene	0.11	0.50	ND		
Bromoform	0.13	0.50	ND		
1,1,2,2-Tetrachloroethane	0.12	0.50	ND		
4-Ethyl Toluene	0.11	0.50	ND		
1,3,5-Trimethylbenzene	0.061	0.50	ND		
1,2,4-Trimethylbenzene	0.12	0.50	ND		
1,4-Dichlorobenzene	0.12	0.50	ND		
1,3-Dichlorobenzene	0.22	0.50	ND		
1,2-Dichlorobenzene	0.18	0.50	ND		
Hexachlorobutadiene	0.17	0.50	ND		
1,2,4-Trichlorobenzene	0.29	0.50	ND		
Naphthalene	0.24	0.50	ND		
Cyclohexane	0.50	0.50	ND		
Benzyl Chloride	0.20	0.50	ND		
Heptane	0.13	0.50	ND		
(S) 4-Bromofluorobenzene			95		

Work Order:	2105227	Prep Method:	FG-P	Prep Date:	05/25/21	Prep Batch:	1131970
Matrix:	Air	Analytical Method:	D1946	Analyzed Date:	5/25/2021	Analytical Batch:	456763
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Carbon Dioxide	100	500	ND		
Oxygen	110	500	ND		
Methane	23	50	ND		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2105227	Prep Method:	TO15-P	Prep Date:	05/22/21	Prep Batch:	1131887
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	5/22/2021	Analytical Batch:	456691
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.21	0.50	ND	8.00	126	124	1.90	65 - 135	30	
Benzene	0.14	0.50	0.52	8.00	95.3	95.7	0.392	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	104	106	1.55	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	99.3	98.6	0.632	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	103	103	0.485	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	99.3	99.3		50 - 150		

Work Order:	2105227	Prep Method:	FG-P	Prep Date:	05/25/21	Prep Batch:	1131970
Matrix:	Air	Analytical Method:	D1946	Analyzed Date:	5/25/2021	Analytical Batch:	456763
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Carbon Dioxide	100	500	ND	2500	108	97.6	10.5	65 - 135	30	
Oxygen	110	500	ND	2500	92.0	85.8	6.74	65 - 135	30	
Methane	230	500	ND	2500	100	89.4	11.8	65 - 135	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

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

LABORATORY QUALIFIERS:

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



Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Date and Time Received: 5/21/2021 2:00:00PM

Project Name: D Street

Received By: HU

Work Order No.: 2105227

Physically Logged By: Katherene Evans

Checklist Completed By: Katherene Evans

Carrier Name: First Courier

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

Comments:

Summas rec'd at ambient temperature



Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: D Street
Project # : P2021.000.416
Report Due Date: 5/28/2021

QC Level: II
TAT Requested: 5+ day:5
Date Received: 5/21/2021
Time Received: 2:00 pm

Comments:

Work Order # : 2105227

<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>
2105227-001A	SV1	05/20/21	Air				VOC_A_TO15 VOC_A_FG D1946	
Sample Note: TO15 and fixed gases (minus He). Limit TO15 dilution factors for reporting of HVOCs								
2105227-002A	SV2	05/20/21	Air				VOC_A_TO15 VOC_A_FG D1946	
2105227-003A	SV3	05/20/21	Air				VOC_A_TO15 VOC_A_FG D1946	



CHAIN OF CUSTODY RECORD

2105227

PROJECT NUMBER P2021.000.416		PROJECT NAME D STREET					VOCs TO-15 FIXED GASSES ASTM D1946		REMARKS REQUIRED DETECTION LIMITS									
SAMPLED BY: (SIGNATURE/PRINT) CHRIS CHENG, STEPHEN FALLON																		
PROJECT MANAGER: (SIGNATURE/PRINT) STEPHEN FALLON																		
ROUTING: E-MAIL rpeck@engeo.com, ccheng@engeo.com, sfallon@engeo.com																		
SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	VOCs TO-15	FIXED GASSES ASTM D1946										
001A SV1	5/20/2021		GAS	1	CANISTER	NA	X	X	# A7568									
002A SV2	5/20/2021		GAS	1	CANISTER	NA	X	X	# N3953									
003A SV3	5/20/2021		GAS	1	CANISTER	NA	X	X	# A7482									
													Temp. 12°C #2					
													Summa canisters rec'd at ambient temperature					
RELINQUISHED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)						
			5/20/21 6:45PM				5-21-21 2:00 PM				NAVIN E							
RELINQUISHED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)			DATE/TIME	RECEIVED BY: (SIGNATURE)										
RELINQUISHED BY: (SIGNATURE)			DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)			DATE/TIME	REMARKS										

ENGEO
INCORPORATED

FedEx
city

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DRAFT

APPENDIX B

HEALTH AND SAFETY PLAN

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DRAFT

GLOSSARY

APR	Air Purifying Respirator
ACGIH	American Conference Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
CCR	California Code of Regulations
CFR	Code of Federal Regulations
COPC	Contaminant of Potential Concern
CPR	Cardiopulmonary resuscitation
CRZ	Contaminant Reduction Zone
dBA	Decibels on the A scale
DOT	Department of Transportation
DTSC	California Department of Toxic Substance Control
EPA	U.S. Environmental Protection Agency
°F	Degrees Fahrenheit
eV	Electron Volt
EZ	Exclusion Zone
FEV	Forced expiratory volume
FVC	Forced vital capacity
GISO	General Industry Safety Order
GPS	Global Positioning System
HEPA	High Efficiency Particulate Air
HSM	Health and Safety Manager
mg/m ³	Milligrams per cubic meter
MSDS	Material Safety Data Sheets
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PID	Photoionization Detector
PM	Project Manager
ppb	Parts per Billion
PPE	Personal Protective Equipment
ppm	Parts per million
PSHM	Program Safety and Health Manager
ROPS	Roll over protection structure
RV	Reserve volume
HASP	Health and Safety Plan
SSO	Site Safety and Health Officer
SVOC	Semi-volatile organic compound
TLV	Threshold Limit Value
TWA	Time Weighted Average
VOC	Volatile Organic Compound

DISCLAIMER

This Health and Safety Plan (HASP) was prepared in support of the Draft Site Remediation Plan (SRP) prepared for the Oyster Cove project in Petaluma, California (Site). The Plan was prepared based on the best available information regarding the physical and chemical hazards known or suspected to be present at the Site and for the execution of the proposed scope of work. It is not possible in advance to discover, evaluate, and protect against all possible hazards which may be encountered during the duration of this project. Therefore, this HASP may not be appropriate if the work is not performed by or using the methods presently anticipated. In addition, as the work is performed, conditions different from that anticipated may be encountered and this HASP may have to be modified.

Adherence to the requirements of this HASP will significantly reduce, but not eliminate, the potential for occupational injury and illness at the Site. The guidelines contained in this HASP were developed specifically for the soil remediation project at the Site described herein and should not be used at any other site without the review and approval of a qualified health and safety professional.

DRAFT

1.0 INTRODUCTION

This Health and Safety Plan (HASP) sets forth the minimum health, safety, and emergency response requirements for activities involving, or potentially involving, employee exposure to physical or chemical health hazards associated with the soil removal activities at the Oyster Cove project, located at 300-310 D Street in Petaluma, California (Site). The HASP was prepared in support of the Draft Site Remediation Plan (SRP) prepared for the Site.

The Property is approximately 10.5 acres in area and is identified as Assessor's Parcel Numbers (APNs) 007-700-003, 007-700-005, and 007-700-006. The Property, located along the southeastern edge of D Street and bisected by Copeland Street, is currently occupied by several commercial structures, paved surfaces, and vegetation. A manmade inlet, which connects to the Petaluma River, is located on the southern edge of the Property.

2.0 SITE SAFETY REGULATORY REQUIREMENTS

Work performed under this HASP will comply with applicable federal, State of California, and local safety and occupational health laws and regulations. Applicable regulations include, but are not limited to, Occupational Safety and Health Administration (OSHA) Standards 29 CFR, Part 1910.120, "Hazardous Waste Site Operations and Emergency Response"; 29 CFR 1910.1025, General Industry Standards; 8 CCR 5216, General Industry Standard 29 CFR 1926.62, Lead in the Construction Industry; and 8 CCR 1532.1, Lead in the Construction Industry. Where the requirements of these specifications, applicable laws, criteria, ordinances, regulations, and referenced documents vary, the most stringent will apply.

3.0 STAFF ORGANIZATION, QUALIFICATIONS, AND RESPONSIBILITIES

3.1 GENERAL

This section of the HASP outlines the organizational structure and Site personnel responsible for the safety and health of personnel during the proposed work. The replacement of any member of the Health and Health Staff requires the acceptance of the project manager. Replacement requests will include the names, qualifications, duties, and responsibilities of each proposed replacement.

3.2 PROJECT MANAGER

The Project Manager (PM) for ENGEO is Robert Peck. Mr. Peck is responsible for:

- Oversight of Site activities required to implement this HASP.
- Directing work performed under this contract.
- Verifying that work is completed in accordance with the project SRP.

3.3 HEALTH AND SAFETY MANAGER

The Site Health and Safety Manager (HSM) is Robert Peck. Mr. Peck is responsible for:

- Implementing and enforcing of the HASP.
- Providing the initial and periodic site-specific training.

- Monitoring of remediation activities.
- Coordinating activities in the event of an on-site emergency.
- Evaluating work practices, and personal protection equipment (PPE) that may be warranted.
- Receiving on-site accident reports.

3.4 SITE SAFETY OFFICER

The Site Safety Officer (SSO) is William Hunsdale. Mr. Hunsdale is responsible for:

- Conduct on-site training and the day-to-day on-site implementation and enforcement of the HASP.
- Be assigned to the Site for the duration of field activities.
- Have authority to ensure Site compliance with specified safety and health requirements, federal and State of California OSHA regulations and all aspects of the HASP including, but not limited to, activity hazard analyses, air monitoring, use of PPE, decontamination of personnel and equipment, Site control, standard operating procedures used to minimize hazards, safe use of engineering controls, the emergency response plan, confined space entry procedures, spill containment-program, and preparation of records by performing a daily safety and health inspection and documenting results on the Daily Safety Inspection Log.
- Have the authority to stop work if unacceptable health or safety conditions exist and take necessary action to re-establish and maintain safe working conditions.
- Consult with proper authorities and coordinate any modifications to the HASP with the PM.
- Serve as a member of ENGEO's quality control staff on matters relating to safety and health.
- Conduct accident investigations and prepare accident reports (Attachment A).
- Review results of daily quality control inspections and document safety and health findings into the Project Manager's Daily Log (Attachment B).
- In coordination with Site management recommend corrective actions for identified deficiencies and oversee the corrective actions.

3.5 PERSONS CERTIFIED IN FIRST AID AND CPR

CPR, if needed, will be conducted by trained personnel, or off-site emergency responders (i.e., paramedics, fire fighters). Many personnel with 40-hour Hazardous Waste Operations and Emergency Response training will have completed CPR and first aid courses as part of their training. The consultant/contractor is responsible for identifying and informing workers of designated first aid trained personnel. These persons may perform other duties but will be immediately available to render first aid when needed. The identity of these persons will be posted and made known to all personnel involved in this project.

4.0 HAZARD/RISK ANALYSIS

4.1 IDENTIFIED TASKS

The tasks identified for the conduct of this removal project include the following.

- Mobilization/demobilization

- Shallow soil excavation (backhoe and/or excavator)
- Soil Stockpiling
- Soil Sampling
- Loading of soil
- Inhalation of dust and dermal contact during:
 - Personnel may experience poor air quality due to wildfires
 - Personnel may come into contact with individuals or surfaces infected with the COVID-19 virus

4.2 POTENTIAL HAZARDS

4.2.1 COVID-19 Protocols

4.2.1.1 Field Staff Protocols

At the time this HASP was developed, Sonoma County did not have COVID-19 specific health and safety requirements in-place. If Sonoma County COVID-19 protocols are reinstated at the time of the implementation of the SRP, ENGEO employees and their subcontractors will utilize the following safety measures.

- All employees shall measure their body temperature and report it to the PM via text, email, or call each day before traveling to the job Site, as well as confirming they do not exhibit COVID-19 symptoms. No employee shall be allowed to enter the job Site if they record a body temperature of 100 degrees Fahrenheit or higher and/or exhibit COVID-19 symptoms. The Centers for Disease Control and Prevention (CDC) identify the following symptoms as being associated with COVID-19. Symptoms may appear 2 to 14 days after exposure to the virus.
 - Fever or chills
 - Cough
 - Shortness of breath or difficulty breathing
 - Fatigue
 - Muscle or body aches
 - Headache
 - New loss of taste or smell
 - Sore throat
 - Congestion or runny nose
 - Nausea or vomiting
 - Diarrhea
- Employees potentially exposed to anyone who is sick or known to have COVID-19 must not return to the job Site until the following are all true.
 - Their temperature has dropped below 100.4° Fahrenheit (38.0° Celsius) for the past 72 hours, without use of medicine, such as acetaminophen
 - Their cough or breathing problems have improved for the past 72 hours
 - It has been at least 10 days after their first symptoms, even if they tested negative for COVID-19

- Employees demonstrating cold- or flu-like symptoms must stay home. Employees exhibiting a fever may not return to their workplace until at least 72 hours after their fever has subsided and they have maintained a normal body temperature. If specific COVID-19 symptoms are evident as defined by CDC and Sonoma County Public Health Department (SCPHD) guidelines, a negative COVID-19 test may be required before returning to the job Site.
- Employees shall attend a daily tailgate session to review site protocols to mitigate potential spread of the COVID-19 virus. Attendance shall be recorded and verified by each employee's signature.
- Employees shall wash hands frequently for at least 20 seconds with soap and water. Employees should avoid touching their face with unsanitized hands and avoid touching common surfaces with bare hands.
- Employees should constantly observe their work distances in relation to other staff, maintaining the recommended 6 feet at all times when not wearing the necessary PPE for working in close proximity to another person. Employees will not shake hands or make other direct contact with other staff. Employees will not carpool with other staff unless they are family members living within their household.
- Employees will not share phones. Use of group equipment for breaks is suspended until further notice.
- Employees will clean personal tools prior to use, as well as group tools. Disinfectant agents (i.e., disinfecting cleansers or wipes) or cleansers may be used. Following wetting of the surfaces, at least 20 seconds should elapse before touching. Adequate time will be set aside prior to the end of an employee's workday for cleaning tools/equipment.
- If a task requires working in close proximity to another person, employees shall review the required Job Hazard Analysis (JHA) to ensure they are equipped with the proper PPE and are trained in and understand the directions for use. Workers shall not initiate any task until properly equipped and trained on procedures.
- Employees shall clean and maintain their personal PPE and not share any items with other staff.
- Disposable PPE, paper towels, and similar waste must be deposited in non-touch waste bins.
- Coughs and sneezes are to be directed into the crook of one's own arm at the elbow; following established CDC guidelines.
- Employees should change work clothes and shoes prior to arriving home. Work clothing should be laundered immediately. Work clothes should be laundered separate from other laundry.
- Face coverings without check valves should be worn by all personnel at all times at the Site, unless they are in their personal vehicles by themselves or with people with whom they share a residence, or if they are required to wear an air-purifying respirator.
 - If personnel are required to wear an air-purifying respirator because of air quality, when they leave that area, they need to remove the respirator (if equipped with a check valve) and don a face covering (without a check valve) to protect others around them.

The following job hazard analyses have been provided for the proposed exploration scope (Tables A through E).

TABLE 4.2.1.1-1: Job Hazard Analysis Form

Job Locations: 300-310 D Street, Petaluma, California	Analyst: Robert Peck	Date: October 24, 2022
Task Description: ENGEО personnel will be providing observation and monitoring services during excavation and offhaul activities. Soil samples will also be collected for laboratory analysis.		
Hazard Description: Personnel could come in contact with individuals or surfaces infected with the COVID-19 virus.		
Hazard Controls: <ol style="list-style-type: none"> 1. Employees shall maintain social distancing protocols at all times, including maintaining a distance of 6 feet from other individuals. 2. Employees shall follow personal and equipment hygiene protocols outlined in this document. 3. Employees shall do specific COVID-19 PPE, including the following. <ol style="list-style-type: none"> a. Disposable gloves (as recommended and/or appropriate) b. Face covering, such as a scarf, non-medical grade mask, or cloth (as recommended and/or appropriate). Single-use coverings shall be disposed of in a proper manner after use; reusable masks shall be appropriately cleaned/maintained, and cloth-based devices should be laundered with work clothing as outlined in this document. 		

When Sonoma County COVID-19 protocols are required, the SSO shall complete the COVID-19 checks, and Attachment C – COVID Compliance Log should be completed daily prior to work initiating. Personnel exhibiting symptoms will not be allowed to work at the Site.

4.2.1.2 [Exposure to Poor Air Quality \(Smoke from Wildfires\)](#)

During the remediation activity, there is the potential for personnel to be exposed to poor air quality due to the presence of massive wildfires in nearby areas. A variety of online resources are available to identify the air quality index (AQI) for the Site on a daily basis.

The California Air Resources Board (CARB) has developed ranges of AQIs that correspond to various levels of health impacts, and it relates it to various receptors. The AQI table is provided below.

Based on our review, the Cal/OSHA regulation does not have a threshold for the AQI, which would result in a job shutting down. The regulation provides guidance on what type of health and safety protocols (PPE, protocols, etc.) must be followed depending on AQI values for PM2.5. For AQI greater than or equal to 151, employers need to have masks that filter particles (such as N95) available for employees' voluntary use. For AQI greater than 500, respirator use is required.

If the AQI for the Site reaches a value greater than 151, then remediation work will either be stopped until conditions improve, or respiratory protection will be provided to workers. A N95 or N100 dust mask or respirator with particulate filters will be provide to workers in this case. If workers with underlying health conditions are working at the Site, that would be considered a sensitive receptor, then they may need to consult with their doctors to determine if they can safely work when AQIs are greater than 101.

Air Quality Index

0-50	Good	Enjoy your usual outdoor activities.
51-100	Moderate	Extremely sensitive children and adults should refrain from strenuous outdoor activities.
101-150	Unhealthy for Sensitive Groups	Sensitive children and adults should limit prolonged outdoor activity.
151-200	Unhealthy	Sensitive groups should avoid outdoor exposure and others should limit prolonged outdoor activity.
201-300	Very Unhealthy	Sensitive groups should stay indoors and others should avoid outdoor activity.
301-500	Hazardous	Everyone should avoid all outdoor exertion.

Source: <https://ww2.arb.ca.gov/protecting-yourself-wildfire-smoke>

TABLE 4.2.1.2-1: Job Hazard Analysis Form

Job Locations: 300-310 D Street, Petaluma, California	Analyst: Robert Peck	Date: October 24, 2022
Task Description: ENGEO personnel will be providing observation and monitoring services during excavation and off-haul activities. Soil samples will also be collected for laboratory analysis.		
Hazard Description: Personnel could be exposed to poor air quality caused by wildfires. The AQI should be checked each day to understand the potential hazards.		
Hazard Controls: <ol style="list-style-type: none"> Personnel will check the AQI for the Site each day. Work stoppage or respiratory protection will be utilized to ensure worker safety. Personnel should wear appropriate breathing apparatus if the AQI exceeds 151 for healthy individuals and if it exceeds 101 for sensitive receptors (workers with health conditions) Workers with health conditions that could classify them as sensitive receptors should speak to their health care professional to understand their relative level of risk to being exposed to poor air quality. 		

4.2.2 Specific Safety Hazards

Specific work task hazards are described below.

4.2.2.1 Mobilization / Demobilization

Many of the work-related hazards associated with this task are addressed in the General Safety Hazard section that follows (Section 4.2.3).

In addition, the following safety hazards may be encountered during this work task.

- Vehicle operation
- Struck by vehicle or equipment

4.2.2.2 [Equipment and Vehicle Operation](#)

Operation of motor vehicles shall be performed following the standard operating procedures found in the California Driver Handbook, available on the Department of Motor Vehicles (DMV) website. All laws and statutes shall be followed during the course of the mobilization and demobilization. Operators of motor vehicles shall carry an appropriate and valid driver's license for the vehicle being operated with them at all times during operation.

ENGEO personnel will not be operating excavation equipment

4.2.2.3 [Movement and Use of On-site Equipment](#)

Movement and operation of excavation, grading, compaction equipment, and haul trucks shall be completed in accordance with the manufacturer's specifications and standard operating procedures. General hazards related to operation of the rig are covered in Section 4.2.3.

TABLE 4.2.2.3-1: Job Hazard Analysis Form

Job Locations: 300-310 D Street, Petaluma, California	Analyst: Robert Peck	Date: October 24, 2022
Task Description: Contractors operating and moving excavation, grading, compaction equipment, and haul trucks.		
Hazard Description: On-site equipment could malfunction and injure any person working nearby. Operators may not see personnel and strike them.		
Hazard Controls: <ol style="list-style-type: none"> 1. Operator should follow manufacturer's specification and standard operating procedures. 2. Operator should take precautions when moving the operating and moving equipment. Personnel should not assume that they are seen by operators. 3. Ensure to make eye contact with operators. 4. Operator should not operate equipment if impaired. 5. Operator and other personnel working near the equipment should wear high-vis protective clothing (gloves and other appropriate PPE). 		

4.2.2.4 [Exposure to Impacted Soil and Dust](#)

During the remediation, there is the potential for personnel to come into contact with Site contaminants. Exposure can come in the form of direct dermal contact or inhalation of dust in the air, or inhalation of dust particles containing contaminants.

Nitrile gloves and PPE will be worn by personnel to eliminate the dermal contact exposure pathway. Inhalation of dust at levels above permissible exposure limit (PEL) are not anticipated, as shown below.

Cancer risk for the outdoor air exposure pathway is calculated for a residential scenario using the equations presented in Figure 2.10 of the Department of Toxic Substances Control (DTSC) Preliminary Endangerment Assessment (PEA) guidance manual (October 2015). The calculations are based on fugitive dust emissions of PM₁₀ at 0.050 µg/m³, per the California Ambient Air Quality Standards for particulate matter. The toxicity factors used to calculate risk were obtained from the California Office of Environmental Health Hazard Assessment (OEHHA) Toxicity Criteria Database.

The exposure point concentrations for outdoor air were estimated using the following equation presented in Figure 2.10 of the PEA guidance manual:

$$C_a = C_s / PEF \times 1,000 \mu\text{g}/\text{mg}$$

Where: C_a = concentration in air, $\mu\text{g}/\text{m}^3$
 C_s = concentration in soil, mg/kg
 $PEF = 9.06 \times 10^8 \text{ m}^3/\text{kg}$

- Using the maximum lead concentration of 1,230 mg/kg , we calculated an air concentration of $1.36\text{E}^{-3} \mu\text{g}/\text{m}^3$.
- Using the maximum benzo[a]pyrene concentration of 1.35 mg/kg , we calculated an air concentration of $1.49\text{E}^{-6} \mu\text{g}/\text{m}^3$.
- Using the maximum benzo[a]anthracene concentration of 1.72 mg/kg , we calculated an air concentration of $1.90\text{E}^{-6} \mu\text{g}/\text{m}^3$.

The Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) for lead, benzo[a]pyrene, and benzo[a]anthracene is as follows.

- Lead PEL: 8-hour TWA = $0.050 \text{ mg}/\text{m}^3$ ($50 \mu\text{g}/\text{m}^3$)
- Benzo[a]pyrene PEL: 8-hour TWA = $200 \mu\text{g}/\text{m}^3$
- Benzo[a]anthracene PEL: 8-hour TWA = $200 \mu\text{g}/\text{m}^3$

As such, the concentrations of lead, benzo[a]pyrene, and benzo[a]anthracene, which workers are conservatively anticipated to be exposed, are orders of magnitude below the PELs. In addition, the remediation is relatively short duration, further limiting worker exposure. Respiratory protection is not anticipated to be necessary. Dust management activities will ensure fugitive dust levels are protective of onsite and offsite receptors.

TABLE 4.2.2.4-1: Job Hazard Analysis Form

Job Locations: 300-310 D Street, Petaluma, California	Analyst: Robert Peck	Date: October 24, 2022
Task Description: ENGEO personnel will be providing observation and monitoring services during excavation and off-haul activities. Soil samples will also be collected for laboratory analysis.		
Hazard Description: Personnel could come in contact (dermal contact and inhalation of dust) with impacted soils.		
Hazard Controls:		
<ol style="list-style-type: none"> 1. Personnel working near soil should wear gloves and other appropriate PPE to avoid dermal contact with impacted soils. 2. Per the calculations provided above, the worker exposure to contaminants via inhalation of dust is unlikely, due to expected concentrations of contaminants in air being orders of magnitude below PELs. 3. Dust monitoring and management protocols will ensure that dust levels remain low as a precaution for on-site workers and the neighboring public are protected from fugitive dust. 4. A separate document, the CAMP will provide dust monitoring and management protocols. 		

4.2.3 General Safety Hazards

Potential safety hazards will include, but are not limited to, general construction hazards, such as:

- Physical contact with heavy equipment.
- Physical contact with motor vehicles.
- Slips/trips/falls due to unstable surfaces, or uneven terrain.
- Exposure to site contaminants including dust.
- Equipment noise.
- Buried utility lines and energized overhead and underground power lines.
- Heat stress and cold stress.
- Lifting heavy objects.
- Sunburn.
- Biological hazards.

These hazards are described below.

4.2.3.1 Noise

Most worksite noise will originate from heavy equipment. As a result, equipment operators and observers will be required to use hearing protection when exposed at or above 85 decibels. A copy of the OSHA Occupational Noise Standard, 29 CFR 1910.95 will be available, and copies will be made available to employees upon request.

4.2.3.2 Buried Utility Lines and energized overhead or underground power lines

Proposed excavation activity on Site is expected to extend to a depth of 18 inches below existing grades. In order to avoid encountering utilities during the remediation activity, the removal contractor will call in a ticket request to Utility Service Alert (USA) North a minimum of 72 hours prior to any excavation activity on the Site. Overhead utility lines are present along the north side of Catherine Street; however, the planned excavation activity is expected to occur 25 to 50 feet away from existing overhead power lines.

4.2.3.3 Heat Stress

A worker's risk for developing heat stress is greatly increased when wearing impermeable clothing or respirators. This type of clothing interferes with the body's normal cooling mechanisms by preventing the evaporation of perspiration. For workers who wear permeable clothing, work/rest schedules recommended in the current ACGIH Threshold Limit Values (TLV) for Heat Stress will be followed. For workers who wear semi-permeable or impermeable clothing, technical guidelines in "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities" will be followed. Monitoring of personnel wearing impermeable clothing will commence when the ambient temperature is above 70 degrees Fahrenheit. Monitoring frequency will increase as the ambient temperature increases or as slow recovery rates are observed. A shady rest area and an adequate supply of cool drinking water will be provided for the workers.

4.2.3.4 Cold Stress

Cold stress may be an exposure hazard during the project based on the current work schedule and anticipated weather conditions. Exposure to cold weather can lead to frost bite and/or hypothermia. The signs and symptoms of excessive exposure to cold are listed in Table 4.2.3.4-1.

TABLE 4.2.3.4-1: Different Levels of Cold Exposure and Associated Symptoms

CONDITION	SIGNS AND SYMPTOMS
Hypothermia - A condition when a person’s body loses heat faster than it can be produced.	Vague, slow, slurred speech, impaired judgment, forgetfulness, memory lapses, drowsiness, inability to use the hands.
Frostbite - A condition where a part of the body is frozen	Loss of the sensation of touch, pressure and pain in the affected part of the body. This may occur without awareness of any numbness. Just before freezing, the skin becomes bright red and at freezing, small patches of white appear on the skin.

When weather conditions are cold, wet and windy, the following precautions will be instituted.

- Field personnel should wear layered clothing. Mittens, heavy socks, hats, jackets/vests, long underwear, glove liners, or other suitable clothing should be worn when air temperatures fall below 40 degrees Fahrenheit. Chemical protective clothing will be worn over the warm garments when protective clothing is required by the field operations.
- At temperatures below 30 degrees Fahrenheit, temperature insulating suits and gloves should be considered.
- Protective outerwear should be used to prevent wetting of work shoes and feet, when appropriate.
- Additional clothing worn in layers allows gradual removal as work activities generate metabolic heat.
- At temperatures below 35 degrees Fahrenheit, rain gear should be worn if an employee could become wet on the job.
- At temperatures below 35 degrees Fahrenheit, employees shall be provided with warm (65 degrees Fahrenheit or above) break areas. If appropriate, space heaters will be provided to warm hand and feet.
- Hot liquids, such as soups and warm drinks, should be consumed during break periods. Caffeine beverages should be limited due to attendant diuretic and circulatory effects.
- A buddy system shall be practiced at all times. An employee that is observed shivering or showing signs of frostbite shall leave the cold area immediately.
- Work should be arranged to avoid sitting or standing for long periods.
- All employees who work in cold areas should be trained in the following subjects.
 - Proper first aid treatment for cold stress
 - Proper clothing practices
 - Proper eating and drinking habits
 - Recognition of impending adverse health effects due to cold
 - Safe work practices

4.2.3.5 [Sunburn](#)

Sunburn is caused by overexposure to ultraviolet light (sunshine). The symptoms of exposure are not usually apparent until 2 to 4 hours after the exposure ceases. Depending upon the severity of the exposure, the symptoms can range from reddening of the skin, accompanied by mild discomfort, to painful deep burns and blisters. Although light-haired, fair-skinned, blue-eyed personnel are at the greatest risk of sunburn, all complexion types can develop sunburn.

The physical hazard of sunburn can be controlled by: (1) providing a shady rest area; (2) wearing appropriate clothing (long pants and tee shirts, i.e., no tank tops); (3) wearing sunscreen with an appropriate protection factor, as appropriate; and (4) working in shifts.

4.2.3.6 [Heavy Equipment Operation](#)

The contractor is responsible for all personnel associated with heavy equipment operation. Equipment operators should maintain a constant awareness of their surroundings and associated hazards. Constant visual or verbal contact between the equipment operators and laborers will facilitate such awareness. When operating heavy equipment near an embankment, a spotter shall be present at all times to observe the soil behavior on which the unit is situated. All heavy equipment shall be equipped with a rollover protection structure (ROPS) and seat belts. Operators shall use seat belts at all times when in the cab of operating equipment. All personnel will wear high visibility safety vests and hearing protection if appropriate.

4.2.3.7 [Slip/Trip/Fall Hazards](#)

Prevention of slips/trips and fall hazards can be reduced to a minimum if employees use caution when working on slick, uneven or unsteady surfaces. The risk of injury will be minimized by implementing proper site control measures such as daily safety meetings, proper footwear and by keeping the work area free of obstructions.

4.2.3.8 [Lifting Hazards](#)

Field operations often require heavy physical labor tasks to be performed. All employees will be instructed by the SSO and contractor in proper lifting techniques through safety meetings and demonstration. Additionally, employees will be instructed not to attempt to lift objects heavier than 60 pounds without mechanical assistance or the assistance of a fellow worker.

4.2.3.9 [Tool and Equipment Hazards](#)

Improper tool handling and inadequate tool maintenance will increase risk of injury during their use. Management of these hazards requires rigorous maintenance of tools and equipment. The contractor is responsible for effective training of employees in the proper use of the tools. Hand tools that are damaged shall be tagged and removed from the work area. Equipment in need of maintenance or repair shall be tagged and removed from operation until repairs or replacement is accomplished. Only tools with immediate use will be present on site. Unused tools shall be assembled at a collection point and removed from underfoot and immediate use.

4.2.3.10 Fire Hazard Control

Caution will be used to prevent sparks or open flames within the vicinity of vegetation. When welding or cutting, be sure hot sparks or slag does not come in contact with flammables. An approved A or B fire extinguisher, sufficient in size, will be immediately available (usually 25 feet) when welding or cutting. All heavy equipment (drill rigs, loaders, backhoes, dozers, etc.) shall have a minimum of one 5-pound AB fire extinguisher mounted on it. A minimum of one AB fire extinguisher shall be at each remediation site. Only approved containers will be used for storing flammable liquids. Oily rags and waste will be placed in appropriate containers. Fire protection equipment will be used for firefighting only. The proper use and location of fire extinguishers will be known by all employees. Gasoline or other flammable liquids will not be used for cleaning. All fire hazards will be reported to the site superintendent immediately. Fire and emergency access lanes will be kept clear at all times in order to facilitate equipment entry and exit.

4.3 **BIOLOGICAL HAZARDS**

Biological hazards have not been identified but the following discussions may be relevant to activities. Potential biological hazards may consist of bees, wasps, snakes, spiders, ticks, fleas, poisonous plants such as poison oak and poison ivy, Hantavirus, and bird excrement.

4.3.1 Ants, Bees, Wasps, Hornets and Yellow Jackets

Nests and hives for ants, bees, wasps, hornets, and yellow jackets often occur in ground, trees, brush and overhangs on buildings. The area will be checked for obvious nests and hives before it is cleared. If a nest or hive is detected, the PM or site SSO will be contacted before the nest is disturbed. If necessary, a pest management consultant will be brought on Site to recommend procedures for passing or moving the nest. Workers with identified insect allergies will not be allowed to work in the area of a nest or hive. If simple first aid measures do not alleviate the symptoms of a sting, the victim will be taken to the nearest medical center for consultation with a physician. An attempt will be made to kill the offending insect and take it to the emergency room with the victim if this can be done quickly and without endangering personnel.

4.3.2 Spiders, Snakes and Fleas

These insects exist in cool dark moist areas. The potential for encounters exist when reaching into dark covered places. Suggestions for control include using a long stick to break apart webs or loosen soil from certain areas. A flashlight should also be used before reaching a dark area. Field personnel shall be aware of their surroundings and avoid contact with all insects.

4.3.3 Rattlesnakes and Scorpions

These creatures are indigenous to many parts of the United States, although are not expected to be encountered at the Site. The SSO will inform field team members at the daily tailgate safety meetings to be on the lookout for rattlesnakes and scorpions. It should be noted that the American Red Cross does not advocate the use of snakebite kits for snakebite injuries. Rather, experience has shown that the victim has a better chance of recovery without permanent damage when the site of the wound is immobilized, and the victim rushed to the closest emergency medical facility (preferably within thirty (30) minutes).

4.3.4 Poisonous Plants

Plants such as poison ivy and poison oak grow wild in shady, moist area and at the base of surrounding seedling or adult trees. Many individuals are prone to break out in dermal (skin) rashes upon contact with the plant oil. A visual site inspection and identification of the plants should be completed prior to each work shift so that all individuals are aware of the potential exposure.

4.3.5 Hantavirus

Hazards associated with Hantavirus are not expected.

4.3.6 Bird Excrement and Amplified Fungal Growth

Hazards associated with bird excrement and/or amplified fungal growth are not expected.

4.4 CHEMICAL HAZARDS

Previous sampling and analysis of soil and groundwater on the Site has shown one chemical of potential concern (COPC). During soil exploration activities, Site workers may be exposed to contaminated soil and resulting vapors and dusts. The concentrations expected in nuisance dusts are expected to be below regulatory action levels; however, dust suppression measures will be used if necessary to minimize migration of nuisance dust.

TABLE 4.4-1: Chemical of Potential Concern (COPC)

COMPOUND	PEL	IDLH	ROUTE OF EXPOSURE	ACUTE SYMPTOMS	ODOR THRESHOLD	ODOR DESCRIPTION
Lead CAS No. 7439-92-1	TWA 0.050 mg/m ³	100 mg/m ³	Inhalation, skin absorption, skin and/or eye contact, ingestion	Lassitude (weakness, exhaustion), insomnia facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension	None	None
Benzo[a]pyrene CAS No. 50-32-8	TWA 0.2 mg/m ³	80 mg/m ³	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	None	None
Benzo[a]anthracene CAS No. 56-55-3	TWA 0.2 mg/m ³	80 mg/m ³	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	None	None

PEL = Permissible Exposure Limit

IDLH – Immediately Dangerous to Life and Health

TWA – Time weighted average

N/A = Not available

Reference: NIOSH, Pocket Guide to Chemical Hazards

5.0 MEDICAL SURVEILLANCE

Any employee who is or may be exposed to hazardous substances or health hazards at or above the PELs or, if there is no PEL, above the published exposure levels for these substances, without regard to the use of respirators, for 30 days or more a year. Any employee who wears a respirator during any part of a day for a period of 30 days or more in a year, or as required by 8 CCR 5144.

Medical surveillance will not be required based on the duration of the project, the potential exposure scenario, and the lack of respiratory requirements. Further discussion and details follow.

During the remediation, there is the potential for personnel to come into contact with Site contaminants. Exposure can come in the form of direct dermal contact or inhalation of dust in the air, or inhalation of dust particles containing contaminants.

Nitrile gloves and PPE will be worn by personnel to eliminate the dermal contact exposure pathway. Inhalation of dust at levels above Permissible Exposure Limit (PEL) are not anticipated, as shown below. A Community Air Monitoring Plan (CAMP) will be developed separately from this HASP to manage dust monitoring and safety protocols required related to dust management.

Cancer risk for the outdoor air exposure pathway is calculated for a residential scenario using the equations presented in Figure 2.10 of the Department of Toxic Substances Control (DTSC) Preliminary Endangerment Assessment (PEA) guidance manual (October 2015). The calculations are based on California Ambient Air Quality Standards for particulate matter. The toxicity factors used to calculate risk were obtained from the California Office of Environmental Health Hazard Assessment (OEHHA) Toxicity Criteria Database.

The exposure point concentrations for outdoor air were estimated using the following equation presented in Figure 2.10 of the PEA guidance manual.

$$C_a = C_s / PEF \times 1,000 \mu\text{g}/\text{mg}$$

Where: C_a = concentration in air, $\mu\text{g}/\text{m}^3$
 C_s = concentration in soil, mg/kg
 $PEF = 9.06 \times 10^8 \text{ m}^3/\text{kg}$

- Using the maximum lead concentration of 1,230 mg/kg, we calculated an air concentration of $1.36\text{E}^{-3} \mu\text{g}/\text{m}^3$.
- Using the maximum benzo[a]pyrene concentration of 1.35 mg/kg, we calculated an air concentration of $1.49\text{E}^{-6} \mu\text{g}/\text{m}^3$.
- Using the maximum benzo[a]anthracene concentration of 1.72 mg/kg, we calculated an air concentration of $1.90\text{E}^{-6} \mu\text{g}/\text{m}^3$.

The Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) for lead, benzo[a]pyrene, and benzo[a]anthracene is as follows.

- Lead PEL: 8-hour TWA = $0.050 \text{ mg}/\text{m}^3$ ($50 \mu\text{g}/\text{m}^3$)
- Benzo[a]pyrene PEL: 8-hour TWA = $200 \mu\text{g}/\text{m}^3$
- Benzo[a]anthracene PEL: 8-hour TWA = $200 \mu\text{g}/\text{m}^3$

As such, the concentrations of lead, benzo[a]pyrene, and benzo[a]anthracene, which workers are conservatively anticipated to be exposed, are orders of magnitude below the PELs. In addition, the remediation is relatively short duration, further limiting worker exposure. Respiratory protection is not anticipated to be necessary. Dust management activities will ensure fugitive dust levels are protective of onsite and offsite receptors.

6.0 FUGITIVE DUST ACTION LEVEL

Cancer risk for the outdoor air exposure pathway was calculated for a residential scenario using the equations presented in Figures 2.9 and 2.10 of the DTSC PEA guidance manual (October 2015). The calculations are based on fugitive dust emissions of PM₁₀ at 0.050 mg/m³, per the California Ambient Air Quality Standards for particulate matter. The toxicity factors used to calculate risk were obtained from the California Office of Environmental Health Hazard Assessment (OEHHA) Toxicity Criteria Database.

The exposure point concentrations for outdoor air were estimated using the following equation presented in Figure 2.10 of the PEA guidance manual.

$$C_a = C_s / PEF \times 1,000 \mu\text{g}/\text{m}^3$$

Where: C_a = concentration in air, $\mu\text{g}/\text{m}^3$
 C_s = concentration in soil, mg/kg
 $PEF = 9.06 \times 10^8 \text{ m}^3/\text{kg}$

- Using the maximum lead concentration of 1,230 mg/kg, we calculated an air concentration of $1.36\text{E}^{-3} \mu\text{g}/\text{m}^3$.
- Using the maximum benzo[a]pyrene concentration of 1.35 mg/kg, we calculated an air concentration of $1.49\text{E}^{-6} \mu\text{g}/\text{m}^3$.
- Using the maximum benzo[a]anthracene concentration of 1.72 mg/kg, we calculated an air concentration of $1.90\text{E}^{-6} \mu\text{g}/\text{m}^3$.

The cancer risk for the inhalation of outdoor air pathway was calculated using the following equation presented in Figure 2.9 of the PEA guidance manual.

$$\text{Risk}_{\text{air}} = IUR \times C_a \times 0.356$$

Where: $IUR = \text{Inhalation Unit Risk } (\mu\text{g}/\text{m}^3\text{-day})^{-1}$
 [OEHHA Toxicity Criteria Database]
 $C_a = \text{maximum concentration in outdoor air, } \mu\text{g}/\text{m}^3$

- Using the lead outdoor air exposure point concentration of $1.36\text{E}^{-3} \mu\text{g}/\text{m}^3$, we calculated a cancer risk of 5.89E^{-9} for the outdoor air pathway. The cancer risk for lead does not exceed the acceptable risk level of 1E^{-6} .
- Using the benzo[a]pyrene outdoor air exposure point concentration of $1.49\text{E}^{-6} \mu\text{g}/\text{m}^3$, we calculated a cancer risk of 5.84E^{-10} for the outdoor air pathway. The cancer risk for benzo[a]pyrene in outdoor air does not exceed the acceptable risk level of 1E^{-6} .

- Using the benzo[a]anthracene outdoor air exposure point concentration of $1.90E^{-6} \mu\text{g}/\text{m}^3$, we calculated a cancer risk of $7.43E^{-11}$ for the outdoor air pathway. The cancer risk for benzo[a]anthracene in outdoor air does not exceed the acceptable risk level of $1E^{-6}$.

The risk values were calculated using a conservative PEF value of $9.06 \times 10^8 \text{ m}^3/\text{kg}$, which utilizes a vegetative cover factor of only 25 percent. Calculating the risk values in this way ensures a conservative estimate with regard to both worker and public safety. Additionally, this cancer risk calculation is based on chronic exposure levels to residents for 26 years, 350 days/year, 24 hours/day. The proposed remediation of this Site will be short-term in nature; however, as sensitive receptors (residential lots) are located near the Site, conducting dust monitoring will be required. This calculation reinforces the need for this work to be completed, as this short-term work will remove a potential long-term hazard.

6.1 SITE-SPECIFIC ACTION LIMITS

To ensure the protection of on-site workers and potential off-site receptors from airborne particulate matter generated during the proposed remedial activity, a site-specific action limit for lead in ambient air has been established. The SSAL is a conservative estimate that off-site receptors can be safely exposed to during the course of the on-site remedial activity. The SSAL was developed using the guidance set forth in the DTSC Community Air Monitoring Plan Guidance (CAMP) (January 2020).

6.2 CANCER-BASED SSAL

The cancer-based SSAL was calculated for lead using the following equation.

$$SSALc = TR \times (1/IUR) \times ATc / (ET \times EF \times ED)$$

Where:

SSALc = cancer-based action limit for COC in air ($\mu\text{g}/\text{m}^3$)

TR = target inhalation cancer risk (unitless)

IUR1 = inhalation risk (per $\mu\text{g}/\text{m}^3$)

ATc = averaging time for carcinogenic effects (hours)

ET = exposure time (hours/day)

EF = exposure frequency (days/year)

ED = exposure duration (year)

SSALc Lead

- $SSALc = 1E^{-6} \times (1/1.20E^{-5}) \times 613,200 / (10 \times 10 \times 1)$
- $SSALc = 511 \mu\text{g}/\text{m}^3$

SSALc Benzo[a]pyrene

- $SSALc = 1E^{-6} \times (1/1.1E^{-3}) \times 613,200 / (10 \times 10 \times 1)$
- $SSALc = 5.57 \mu\text{g}/\text{m}^3$

1 California Office of Environmental Health Hazard Assessment (OEHHA) Chemical Database.

SSALc Benzo[a]anthracene

- $SSALc = 1E^{-6} \times (1/1.1E^{-4}) \times 613,200 / (10 \times 10 \times 1)$
- $SSALc = 55.7 \mu\text{g}/\text{m}^3$

Using the CAMP Guidance, based on the duration of the proposed remedial activity, the cancer-based action limit for lead in air is $511 \mu\text{g}/\text{m}^3$, the cancer-based action limit for benzo[a]pyrene in air is $5.57 \mu\text{g}/\text{m}^3$, and the cancer-based action limit for benzo[a]anthracene in air is $55.7 \mu\text{g}/\text{m}^3$. As shown in the previous calculations, the concentration of lead in air, based on the maximum exposure point concentration of lead in soil, was found to be $1.36E^{-3} \mu\text{g}/\text{m}^3$, the concentration of benzo[a]pyrene in air, based on the maximum exposure point concentration of benzo[a]pyrene in soil, was found to be $1.49E^{-6} \mu\text{g}/\text{m}^3$, and the concentration of benzo[a]anthracene in air, based on the maximum exposure point concentration of benzo[a]anthracene in soil, was found to be $1.90E^{-6} \mu\text{g}/\text{m}^3$, well below the respective SSALc.

6.3 DUST ACTION LEVEL

CAMP Guidance provides an equation for real-time dust action levels. A dust concentration limit (DCL) assumes that the concentration of the COC in dust is proportional to the concentration detected in soil. The DCL represents the allowable maximum concentration of dust in air during on-site activity.

The equation for the DCL is provided below.

$$DCL = SSALcoc / (Ccoc \times CF)$$

Where:

- DCL = health-based dust concentration limit ($\mu\text{g}/\text{m}^3$)
- SSALcoc = site-specific action limit for COC in air ($\mu\text{g}/\text{m}^3$)
- Ccoc = maximum concentration of COC in soil (mg/kg)
- CF = unit conversion factor (1×10^{-6} kg soil/mg soil)

DCL Lead

- $DCL = 511 / (1,230 \times 1E^{-6})$
- $DCL = 4.15E^{+5} \mu\text{g}/\text{m}^3$

However, based established state air quality standards, the DCL will be determined using the California Ambient Air Quality Standard (CAAQS) for lead of $1.5 \mu\text{g}/\text{m}^3$ (30-day average concentration). The DCL calculation using the CAAQS concentration in place of the cancer-based SSALcoc value is provided below.

- $DCL = 1.5 / (1,230 \times 1E^{-6})$
- $DCL = 1.22E^{+3} \mu\text{g}/\text{m}^3$

DCL Benzo[a]pyrene

- $DCL = 5.57 / (1.35 \times 1E^{-6})$
- $DCL = 4.13E^{+6} \mu\text{g}/\text{m}^3$

Benzo[a]anthracene

- $DCL = 55.7 / (1.72 \times 1E^{-6})$
- $DCL = 3.24E^{+7} \mu\text{g}/\text{m}^3$

Based on the calculations above, the proposed remedial activity does not represent a risk to on-site workers or off-site receptors. The lead DCL calculated using the cancer-based SSAL for the Site is $4.15^{+5} \mu\text{g}/\text{m}^3$, and the lead DCL using the CAAQS 30-day average concentration is $1.22E^{+3} \mu\text{g}/\text{m}^3$, both of these DCLs are more conservative than the benzo[a]pyrene and benzo[a]anthracene DCLs of $4.13E^{+6} \mu\text{g}/\text{m}^3$ and $3.24^{+7} \mu\text{g}/\text{m}^3$, respectively. Based on these risk calculations, typical dust mitigation measures will provide adequate protection for on-site workers and off-site receptors with regard to airborne concentrations of COCs.

7.0 SAMPLING

Based on risk calculation and site-specific action limits per PEA and CAMP Guidance documents (Section 7), the potential for elevated COC concentrations in fugitive dust is well below any risk level that would be considered unacceptable to on-site workers or off-site receptors. The concentrations of dust required to generate airborne concentration of COCs that would pose an unacceptable risk to on-site workers and off-site receptors during the remedial activity was determined to be several orders of magnitude greater than the proposed fugitive dust action level that will be used during the remedial activity. The conservative application of the proposed dust action level is extremely protective of on-site workers and off-site receptors. The use of typical dust mitigation/control measures will be protective of on- and off-site receptors.

The remedial activity will be conducted in a prescribed fashion. The dust action level for the Site will be applied to all aspects of the remedial activity and will be protective of on- and off-site receptors. The tasks are well defined and there is no expectation of unexpected tasks that will increase airborne concentrations of hazardous substances.

8.0 SAFETY AND HEALTH TRAINING

8.1 CERTIFICATION OF TRAINING

Certification of 40- or 24-hour OSHA initial training by the consultant/contractor(s) must be provided to ENGEO before working on the site. Certification records must indicate the type and time period of training. Certification of supervised field experience must also be provided for previous work. If not available, supervised field experience may be obtained at the Site. In addition, workers must demonstrate the completion of annual 8-hour refresher training, as necessary. Requirements for initial training in hazardous substances and supervised field experience contained in 29 CFR 1910.120 and 8 CCR 5192 vary with the degree of anticipated exposure to hazardous substances. The initial training requirements for workers involved in the investigation and remediation activities that may involve exposure to contaminated soils are summarized in the following table.

TABLE 8.1-1: OSHA Initial Training and Field Experience Requirements

ACTIVITY	FUNCTION	INITIAL TRAINING (hours)	SUPERVISED FIELD EXPERIENCE (days)
Excavation and Drilling	Equipment operator and laborer	24- & 8-hour supervisor training	3
Site Safety Officer	Consultant - on site during operations	24	3
Health and Safety Manager/ Project Manager	Consultant - on site part time	40- & 8-hour supervisor training	3

On-site supervisors for both the consultant and the contractor will be provide the HASP for review prior to the start of Site activity. Supervisors will have the opportunity to ask questions regarding the content of the HASP and the planned remedial activity.

8.2 TAILGATE SAFETY MEETINGS

At a minimum, daily tailgate health and safety meetings will be held and documented at the Site for all field personnel. The SSO will be responsible for scheduling and conducting this safety meeting when on Site. All personnel will be required to attend. Hands-on refresher training on PPE, decontamination procedures, work practices, changes in work-tasks, schedule changes, and review of safety discrepancies noted will be discussed. Should an operation change affect the on-site fieldwork, a meeting prior to implementation of the change will be convened to explain the changes to all concerned.

9.0 PERSONAL PROTECTIVE EQUIPMENT

9.1 DUST HAZARDS

Given the nature of the site remediation, COPC concentrations are expected to be well below applicable OSHA and NIOSH criteria; therefore, no worker exposure issues are anticipated, and no respiratory protection is required. Typical dust control procedures will be followed in accordance with Section 7 of the SRP.

9.2 LEVELS OF PPE

All personnel working on the project site will wear the appropriate level of protection, as described herein. It is anticipated that EPA Level D Modified will be required as the initial level of protection. The SSO, in consultation with the HSM may upgrade or downgrade levels of protection. In general, all on-site work will be conducted in Modified Level D PPE. Level A, B, or C work is not anticipated for the project. A description of the PPE ensembles is presented below.

9.2.1 Level D

- Hearing protection – custom fitted or disposable ear plugs/earmuffs (85dBA or above)
- Hard hat (meets ANSI requirements)
- Safety glasses with side shields (meets ANSI requirements)
- Safety shoes or boots
- Coveralls or long pants and orange shirts or high-visibility safety vests
- Leather work gloves

9.2.2 Level D Modified

- Hearing protection as described above
- Work clothing, as dictated by the weather
- Safety shoes or boots
- Hard hat
- Tyvek (or equivalent) coveralls
- Nitrile gloves (when handling or contact may occur with contaminated soil or material)
- Safety glasses with side shields
- High-visibility safety vest

9.2.3 Level C

This level of protection is not anticipated for the scope of work assigned to this project.

9.2.4 Level B

This level of protection is not anticipated for the scope of work assigned to this project.

9.2.5 Level A

This level of protection is not anticipated for the scope of work assigned to this project.

9.3 INSPECTION OF PPE

Specific procedures recommended by equipment manufacturers should be followed for inspection of PPE. A general inspection checklist for PPE before use includes:

- Determining that the clothing material is correct for the specified task at hand.
- Visually inspect for imperfect seams, non-uniform coatings, tears, closure malfunctions, hold up to light and check for pinholes.
- Hard Hats – Head harness is intact and installed properly. Check for cracks.
- Safety Glasses/Goggles – Lenses are clear and free of scratches. Side shields are present.
- Safety Shoes/Boots – Free of holes, damage, soles have ample thread, and laces are adequate.
- Air Purifying Respirators, if appropriate – Parts to respirators are intact and in place. Inspect for malfunctions, tears or disfigurement of the mask, proper cartridges, valves are not torn or warped, head and neck straps have ample elasticity.

10.0 SAFETY PROCEDURES, ENGINEERING CONTROLS, AND WORK PRACTICES

10.1 GENERAL SITE RULES/PROHIBITIONS

During demolition and excavation work, all employees, subcontractors, or persons entering the worksite shall sign in with the SSO and shall sign out upon departing. Employees, subcontractors or persons who will be engaged in hazardous materials or waste operations or have the potential to be exposed to hazardous materials will be informed of the nature, and level of exposure. Each

person engaged in such operations will be required to indicate they have been informed of the associated hazards and requirements by signing the project manager's notification form.

10.1.1 Buddy System

Contractor personnel will not conduct work activities alone at any of the sites. The "Buddy System," as specified in 29 CFR 1910.120 and 8 CCR Section 1532.1 will be implemented. The buddy teams working at the Site will maintain visual and audible contact so that they may provide emergency assistance to each other. Both members of the buddy team need not be in the same Site zone, but each member must be wearing adequate PPE to assist the other member.

10.1.2 Engineering Controls and Work Practices

Engineering controls are not anticipated for the proposed activity. Work practices to minimize exposure to nuisance dust will include the wetting down of dusty operations and relocating employees upwind of dusty areas, if necessary.

10.1.3 Employee Rotation

A schedule of employee rotation will not be implemented as a means of compliance with permissible exposure.

10.1.4 Work Practices and Procedures

The following health precautions will be implemented.

- Avoid skin contact and ingestion of stockpiled soil.
- Avoid excessively dusty areas.
- Keep work areas clean and well ventilated.
- Clean up spills promptly.

10.2 MATERIALS HANDLING

10.2.1 Spill and Discharge Control

Should a spill or discharge of petroleum products or contaminated soil occur, the following measures will be taken.

- Take immediate measures to control and contain the spill to the smallest area possible.
- Keep unnecessary people away, isolate the hazardous area, deny entry to unauthorized people, do not allow unauthorized people to touch spilled material.
- Stay upwind.
- Keep out of low areas.
- Keep combustibles away from the spilled material.
- Use a water spray to reduce vapor or dust generation being cautious not to cause the migration of water outside the set boundaries.
- If necessary, take samples for analysis to determine if adequate clean-up was performed.

- Remove or retrieve any discharged liquids or slugs. Absorb discharged materials with absorbents such as commercial pillows, kitty litter, sand, clean fill, or other noncombustible absorbent material. Place the absorbent/spill mixture into leak proof containers and dispose per EPA and DOT requirements.

10.2.2 Notification of Spills and Discharges

If the spill or discharge is reportable, and/or human health or the environment is threatened, notify the National Response Center, Sonoma County Department of Environmental Health, Petaluma Police and Fire Department non-emergency line, and the project manager. Spills or leaks, regardless of their quantity will be reported to the project manager immediately following discovery. A follow-up written report will be submitted to the project manager within seven (7) days after the initial report. The written report will be in narrative form, and as a minimum, include the following.

- A description of the material spilled including identity and quantity. Photographs showing the location and extent of the spill.
- A statement as to whether the amount spilled is EPA/State reportable and when and to whom it was reported
- Exact time and location of the spill, including a description of the area involved
- Containment procedures initiated and a full description of the cleanup measures taken, or to be taken, including disposal location of the spill residue

10.2.3 Material Storage, and Disposal

Employees will be trained in and will use proper lifting techniques. Material handling devices will be available for the material handling needs of an activity. Whenever heavy or bulky material is to be moved, the material handling needs will be evaluated in terms of weight, size, and distance and path of move. The following hierarchy will be followed in selecting a means for material handling.

- Elimination of material handling need by engineering controls
- Movement by mechanical device (e.g., lift truck, backhoe, loader, etc.)
- Movement by manual means with handling aid (e.g., dolly or cart)
- Movement by manual means with protective equipment (e.g., lifting belt or lifting monitor)

Materials will not be moved over or suspended above personnel unless positive precautions have been taken to protect the personnel from falling objects. Where the movement of materials may be hazardous to personnel, taglines or other devices will be used to control the loads being handled by hoisting equipment. These devices will be nonconductive when used near energized lines.

Non-compatible materials will be segregated in storage. Work areas and means of access will be maintained safe and orderly. Sufficient personnel and equipment will be provided to insure compliance with all housekeeping requirements. Work areas will be inspected daily for adequate housekeeping and findings recorded on daily inspection reports. Work will not be allowed in those areas that do not comply with the requirements of this section.

Waste material and rubbish, if generated, will be placed in suitable containers. Waste material and rubbish will not be stored in areas that are away from the general work areas. Separate covered, non-flammable/non-reactive containers will be provided for the collection of garbage, oily, flammable,

and dangerous wastes. The containers will be labeled with a description of their contents. The contents will be properly disposed of on a scheduled basis.

Hazardous material waste (i.e., vehicle and equipment oils and lubricants, containers and drums for solvents, adhesives, etc.) will be collected, stored, and disposed of in accordance with federal, state, and local agencies.

10.3 HAZARD COMMUNICATION

All personnel must follow established work practices to safely handle hazardous materials and chemicals. A hazardous chemical is broadly defined as a chemical that is a health hazard, a physical hazard or both. A hazard communication program has been developed to limit the risks of personnel exposures, damage to equipment, and the unplanned release of hazardous materials and chemicals to the environment due to normal operations. The written program includes protocols for:

- Assessment of the hazards associated with chemicals on Site.
- Inventory and labeling of chemicals and their containers.
- Communication of hazards to the employee through Material Safety Data Sheets (MSDSs) for chemical products and tailgate meetings to discuss hazards of impacted environmental media, such as impacted soil or water.
- Training on the safe handling of chemicals.
- Acquisition, transportation and handling of chemicals.
- Emergency response to releases of chemicals.

The requirements of this program will apply to consultant/contractor in the event that they need to store hazardous materials and/or chemicals such as equipment, fuel, caustic compounds for sample preservation, or solvents for equipment decontamination on the Site. The consultant/contractor will be responsible for coordinating the inventory of hazardous materials and chemicals used or stored at the Site. The inventory will be utilized for reporting and emergency response purposes. Data contained in the inventory will include the name, quantity, and location of the chemical. Material Safety Data Sheets shall be readily available on Site for reference.

10.4 SANITATION

Given the expected duration of work (2-4 weeks), sanitation facilities should be provided on Site. Personnel will be encouraged to use safe sanitation practices with respect to washing and consumption of potable water.

10.5 PROTECTION OF ADJACENT WORK OR AREAS TO REMAIN

The work will be performed without damage or contamination of adjacent work or surrounding areas. Where such work or surrounding area is damaged or contaminated, it will be restored to its original condition and decontaminated at no additional expense to the client, as deemed appropriate by the project manager. When satisfactory visual inspection and/or sampling analysis results are obtained and have been evaluated, work may proceed.

10.6 MACHINERY AND MECHANIZED EQUIPMENT

Before any machinery or mechanized equipment is placed in use, the contractor is responsible for the inspection and testing by a competent person and certified to be in safe operating condition. Inspections and tests will be in accordance with manufacturer's recommendations and will be documented in the daily logs. Records of tests and inspections will be maintained at the Site and will be made available upon request of the designated authority.

Daily/shift inspections and tests:

- All machinery and equipment will be inspected daily (when in use) to ensure safe operating conditions. The Site superintendent will designate competent persons to conduct the inspections. These inspections will be documented and incorporated into the field logs.
- Tests will be made at the beginning of each shift during which the equipment is to be used to determine that the brakes and operating systems are in proper working condition and that all required safety devices are in place and functional.

Whenever any machinery or equipment is found to be unsafe, or whenever a deficiency, which affects the safe operation of equipment, is observed, the equipment will be tagged and immediately taken out of service until the unsafe condition(s) have been corrected. The tag will indicate the equipment will not be operated. The tag will not be removed and will be placed in a conspicuous location on the equipment. The tag will remain in its attached location until it is demonstrated to the individual dead lining the equipment that it is safe to operate. When corrections are complete, the machinery or equipment will be retested and reinspected prior to being returned to service.

Machinery and mechanized equipment will be operated only by designated qualified personnel. Machinery or equipment will not be operated in a manner that will endanger persons or property nor will the safe operating speeds or loads be exceeded. Getting off or on any equipment where it is in motion is prohibited. Machinery and equipment will be operated in accordance with the manufacturer's instructions and recommendations. Inspections or determinations of road conditions and structures will be made in advance to assure that clearances and load capacities are safe for the passage or placing of any machinery or equipment.

Mobile equipment, operating within an off-highway job site not open to public traffic, will have a service brake system and a parking brake system capable of stopping and holding the equipment while fully loaded on the grade of operation. In addition, it is recommended that heavy-duty hauling equipment have an emergency brake system, which will automatically stop the equipment upon failure of the service brake system. This emergency brake system should be manually operable from the driver's position.

Preventive maintenance procedures recommended by the manufacturer will be followed. All machinery or equipment will be shut down and positive means taken to prevent its operation while repairs or maintenance is being done. Equipment designed to be serviced while running are exempt from this requirement. All repairs on machinery or equipment will be made at a location which will protect repair personnel from traffic. Heavy machinery, equipment, or parts thereof which are suspended or held apart by slings, hoist, or jacks also will be substantially blocked or cribbed before personnel are permitted to work underneath or between them. Only authorized factory trained personnel shall do repairs to heavy equipment. Routine daily lubrication, fueling, etc. shall be conducted by the operator.

All vehicles which will be parked or moving slower than normal traffic on haul roads will have a yellow flashing light or four-way flashers visible from all directions.

All industrial trucks will meet the requirements of design, construction, stability, inspection, testing, maintenance, and operation, defined in ANSI/ASME B56.1, Safety Standards for Low Lift and High Lift Trucks.

Self-propelled construction equipment, whether moving alone or in combination, will be equipped with a reverse signal alarm. Equipment designed and operated so that the operator is always facing the direction of motion does not require a reverse signal alarm. Reverse signal alarms will be audible and sufficiently distinct to be heard under prevailing conditions. Alarms will operate automatically upon commencement of backward motion. Alarms may be continuous or intermittent (not to exceed 3-second intervals) and will operate during the entire backward movement. Reverse signal alarms will be in addition to requirements for signal persons. A warning device or signal person will be provided where there is danger to persons from moving equipment, swinging loads, buckets, booms, etc.

All belts, gears, shafts, pulleys, sprockets, spindles, drums, flywheels, chains, or other reciprocating, rotating or moving parts of equipment will be guarded when exposed to contact by persons or when they otherwise create a hazard. All hot surfaces of equipment, including exhaust pipes or other lines, will be guarded or insulated to prevent injury and fire. All equipment having a charging skip will be provided with guards on both sides and open end of the skip area to prevent persons from walking under the skip while it is elevated. Platforms, foot walks, steps, handholds, guardrails, and toe boards will be designed, constructed, and installed on machinery and equipment to provide safe footing and access. Equipment will be provided with suitable working surfaces of platforms, guard rails, and hand grabs when attendants or other employees are required to ride for operating purposes outside the operator's cab or compartment. Platforms and steps will be of nonskid material. Substantial overhead protection will be provided for the operators of forklifts and similar material handling equipment.

Fuel tanks, if any, will be located in a manner which will not allow spills or overflows to run onto engine, exhaust, or electrical equipment. Exhaust or discharges from equipment will be so directed that they do not endanger persons or obstruct view of operator.

All points requiring lubrication during operation will have fittings so located or guarded to be accessible without hazardous exposure.

10.7 CONFINED SPACE OPERATIONS

All work will be performed at or above current grades at the Site. No work within trenches or other confined spaces will occur during the course of the proposed project.

10.8 SITE ILLUMINATION

All work will be performed during daylight hours. No work is planned within structures at this time. No special illumination devices will be necessary to perform the proposed scope of work. Vehicular headlights will be required in the event that vehicular transport operations are required outside of daylight hours or during times of limited visibility (i.e., fog, rain). Additionally, Site workers will be required to use vehicular headlights in accordance with State of California motor vehicle laws during on-site or off-site transport.

11.0 SITE CONTROL MEASURES

All employees and personnel entering the Site during soil remediation work will be required to report to the SSO and sign in and out on the site control log. In addition, all workers will be required to complete the worker/visitor acknowledgment form informing them of the potential hazards on Site. A copy of the worker/visitor entry log is presented in Attachment D. The purpose of the site control measures is to prevent the spread of contamination, control the flow of personnel, vehicles, and materials into and out of work areas. Procedures for preventing the spread of contamination include maintaining a Site control log, developing a communications program, and implementing Site security measures are presented below.

11.1 SITE CONTROL LOG

ENGEO will maintain documentation of sign-in/out forms, employee training records, PPE use and applicable medical surveillance records. In addition, any unsafe conditions present or work practices that have been identified and action taken to correct the identified unsafe conditions and work practices will be identified by the SSO and documented on the Site control log. Record keeping will be performed in accordance with the following.

ENGEO will maintain logs and reports covering the implementation of the HASP. If necessary, the format will include training logs and bi-weekly reports. The training log will include the following information for both initial training and refresher training sessions.

- Date and place
- Area (specific zone) checked
- Employees in a particular area
- Equipment being utilized by employees named
- Protective clothing being worn by employees named
- Protective devices being used by employees named and area assignment

Should this project be extended, the bi-weekly reports will include the following information.

- Summary sheet covering the range of work being done.
- Any incidents of non-use of protective devices in an area where required, non-use of protective clothing, disregard of buddy system, violation of eating, smoking, and chewing in prohibited areas, instances of job-related injuries and illness, and monitoring results.
- Copies of medical certificates for employees and the waivers of visitors.

11.2 DECONTAMINATION

11.2.1 Personnel

Decontamination will consist of the removal or disposal of protective coverings (i.e., gloves, coveralls) and washing of skin surfaces that may have been exposed or soiled during operations. Additionally, all on-site personnel will be required to wash hands or any other potentially exposed or soiled skin surface prior to breaks, leaving the Site, and at the end of daily operations.

11.2.2 Equipment

Equipment, including but not limited to, excavators, backhoes and loaders will have visible soil deposits removed prior to equipment being transported off Site.

12.0 EMERGENCY EQUIPMENT

The following items, at a minimum, will be maintained on Site and available for immediate use.

- First aid equipment and supplies
- Emergency eyewashes, which comply with ANSI Z358.1, will be located near the work areas
- Fire extinguishers with a minimum rating of 5-A, B, or C will be carried in all vehicles and heavy equipment. Fire extinguishers will also be available at any site where flammables or combustible materials present a fire risk.
- Spill response kit

13.0 EMERGENCY RESPONSE AND CONTINGENCY PROCEDURES

13.1 PRE-EMERGENCY PLANNING

Emergency response agencies will be contacted and notified of upcoming Site activities and potential emergency situations. The capabilities and commitment of the local agencies will be ascertained and obtained. ENGEO will verify that this Emergency Response Plan is compatible and integrated with disaster, fire, and emergency response plans of the local, state, and federal agencies.

13.2 LINES OF AUTHORITY

The HSM and SSO are responsible for overall Site safety. In the case of a site safety concern, emergency or accident, the SSO should be contacted immediately. Upon notification, the SSO will make appropriate decision regarding the incident. Pursuant to OSHA 8 CCR § 342 which requires that "Every employer shall report immediately by telephone or telegraph to the nearest District Office of the Division of Occupational Safety and Health any serious injury or illness, or death, of an employee occurring in a place of employment or in connection with any employment." We plan to inform an OSHA district office within 8 hours of any serious injury, or illness, or death on the worksite.

13.3 EMERGENCY RECOGNITION AND PREVENTION

The recognition and prevention of hazards and potential emergencies are discussed in detail elsewhere in this plan. In general, emergency situations occur when personnel are seriously injured and require first aid, or hazardous or potentially hazardous materials are spilled or released to the environment. Attachment E provides a checklist for critical information and procedures in cases of emergency.

13.4 PROCEDURES FOR SITE EVACUATION

13.4.1 Emergency Equipment

The following items, as a minimum will be immediately available for on-site use.

- First aid equipment and supplies
- Spill control materials and equipment
- Fire extinguishers
- Telephone

13.4.2 Adverse Weather Conditions

In the event of adverse weather conditions, the SSO will assess if work can continue without sacrificing the health and safety of any field workers. Items to be considered prior to assessing if work should continue include:

- Potential for heat stress and heat-related injuries.
- Limited visibility.
- Potential for electrical storms.
- Potential for high winds resulting in contaminant transport.

13.4.3 Earthquakes

This guidance assumes that personnel will be outdoors. In the event of a major earthquake:

- Field personnel should immediately evacuate any trenches, excavations or elevated positions in machinery, heavy equipment or structures.
- Field personnel should move away from structures or overhead electrical transmission poles and wires or any other objects or structures that might topple over or collapse.
- Personnel should move to an area where there is the least chance of something falling from above.
- Personnel should assume a position of low center of gravity to avoid being thrown or falling to the ground. A position on “all fours” can minimize shaking.
- Personnel should remain alert for rolling or traveling objects to avoid injury.

13.4.4 Evacuation Routes and Places of Refuge

Prior to access into the work areas and during soil removal work, workers will be instructed as to designated evacuation routes and procedures. A route map detailing directions to the emergency medical facility will be posted conspicuously at the job Site. Additionally, each support vehicle should be equipped with copies of this map and each driver should be familiar with the route and travel time to that facility. A copy of the hospital route map is included as Attachment F.

Workers will be instructed during the preliminary and subsequent tailgate meetings to proceed away from the hazard in a direction of 90 degrees to the prevailing wind for at least 50 feet prior to heading up wind of the hazard should an emergency evacuation occur. A place of refuge will be identified. The purpose of the place of refuge is to provide an off-site meeting place in the

event that Site evacuation is required. The actual place of refuge will be determined during the weekly on-site safety meetings.

Once all employees have gathered at the place of refuge and emergency evacuation is completed, a roll call will be conducted with each present company's supervisor or foremen to assess whether any employees are missing from the evacuation refuge and still need to be accounted for.

13.5 NEAREST HOSPITAL

The nearest hospital is located in the City of Petaluma, approximately 2.1 miles from the project Site. Attachment F provides a map and directions to the nearest hospital. The address and telephone numbers are as follows.

Petaluma Valley Hospital
400 N McDowell Blvd
Petaluma, CA 94954
(707) 788-1111

13.6 EMERGENCY ALERTING AND RESPONSE PROCEDURES

13.6.1 Emergency Alerting Procedures

If physical injury or illness due to accidental exposure to hazardous materials or waste occurs, uninjured/unaffected personnel should do the following.

- Evacuate all non-essential personnel
- Remove injured/exposed person(s) from the work zone
- Remove protective gear from injured/exposed person(s)
- Decontaminate exposed person(s)
- Render first aid if necessary
- **Call 911**
- *If medical assistance is urgent, decontamination of the victim may not be practical or required*
- Evacuate other on-site personnel to a safe place until the SSO determines that it is safe to resume work
- The senior person present will notify the SSO and superintendent and advise them of the incident and the steps taken to prevent recurrence
- Submit a written report on the incident to the contracting officer or representative within 24 hours. The report will be made part of the final closure file.
- Accident reporting records and investigative reports will be maintained at the Site office and ENGEO's corporate office as part of the Department of Labor record keeping requirements.

Following any emergency response, an evaluation of procedures will be performed. The evaluation should include cause and proposed remedy for subsequent incident prevention.

Should an emergency situation develop the Site superintendent will notify worksite personnel by handheld radio. Work activities shall be stopped if necessary.

13.6.2 Emergency Telephone Numbers

The universal emergency response number is 911. When 911 is dialed, a public safety answering service will ascertain the type of assistance needed and quickly summon the appropriate emergency service (Fire Department, Police Department, emergency medical or paramedics, ambulance, etc.) to the Site. A complete listing of emergency telephone numbers for project personnel is provided In Table 13.6.2-1 below.

TABLE 13.6.2-1: Emergency Contact Telephone Numbers

NAME	TELEPHONE NUMBER	ALTERNATE NUMBER
National Emergency Response Center	1-800-424-8802	
Sonoma County Environmental Health and Safety	707-565-6565	
National Poison Control	1-800-876-4766	
Petaluma Police Department	707-778-4372	911
City of Petaluma Fire Department	707-778-4390	911
Project Manager, Robert Peck	925-570-8110	925-866-9000
Health and Safety Manager, Robert Peck	925-570-8110	925-866-9000
Site Safety Officer, William Hunsdale	832-205-1493	925-866-9000

13.7 COMMUNITY ALERT PROGRAM

The universal emergency response number is 911. When 911 is dialed, a public safety answering service will ascertain the type of assistance needed and quickly summon the appropriate local and/or municipal emergency service (Fire Department, Policy Department, emergency medical or paramedics, ambulance, etc.) to the Site.

13.8 PROCEDURES FOR INCIDENT REPORTING

In the event that an incident, such as an explosion or fire, or a spill or release of toxic material occurs during the course of the project, the appropriate government agencies will immediately be notified. ENGEO will notify Cal/OSHA, EPA, and the contractor/subcontractor supervisor(s). A written notification shall be forwarded to the contracting officer within 24 hours. The report should include the following items.

- Name, organization, telephone number, and location
- Name and title of the person(s) reporting
- Date and time of the incident
- Location of the incident, i.e., Site location, facility name
- Brief summary of the incident giving pertinent details, including type of operation ongoing at the time of the incident
- Cause of the incident, if known
- Casualties (fatalities, disabling injuries)

- Details of any existing chemical hazard or contamination
- Estimated property damage, if applicable
- Nature of damage, effect on contract schedule

14.0 CERTIFICATE OF WORKER/VISITOR ACKNOWLEDGMENT

A copy of a certificate of worker/visitor acknowledgment will be completed and submitted for each visitor allowed to enter the worksite during soil removal work.

15.0 REPORTING

15.1 LOGS, REPORTS, AND RECORDKEEPING

The following logs, reports, and records will be developed, retained, and submitted to the contracting officer when requested.

- Training logs (site specific and visitor).
- Daily inspection logs.
- Equipment safety and maintenance logs.
- Employee/visitor register (Site Control Log).
- Environmental and personal exposure monitoring/sampling results.

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ATTACHMENT A

ACCIDENT/INJURY/ILLNESS INVESTIGATION

Job Site: _____

Please Print - Complete All Items - Submit Immediately

PART I – SUPERVISOR					
Employee		Employee #		Phone # ()	
Address		City	State		Zip
Date of Birth / /		Age	Sex	Social Security #	
Shift <input type="checkbox"/> Day <input type="checkbox"/> Evening <input type="checkbox"/> Night		Date of Hire / /		Occupation	
Date of Injury / /			Time of Injury : AM/PM		
Location of Incident					
Date Reported / /		Time Reported : AM/PM		Reported to Whom?	
PART II - SUPERVISOR					
(1) Was employee given First Aid? Yes <input type="checkbox"/> No <input type="checkbox"/>		(3) Was Employee Placed on Transitional Duty? Yes <input type="checkbox"/> No <input type="checkbox"/>			
(2) Sent to: Emergency Room Preferred Provider Personal Physician Company Nurse Other		Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		(4) Will Employee lose time/work? Yes <input type="checkbox"/> No <input type="checkbox"/> (5) If lost time, approx. days _____ (6) Was treatment refused? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Name & Address of Clinic:				Phone number of clinic:	
PART III – SUPERVISOR					
Name of Witness, Address, Phone (<i>Attach statement of all witnesses</i>):					
(1)					
(2)					
(3)					
Describe in detail what employee was doing at the time of injury (what, how why):					
Did employee wear protective equipment? Yes <input type="checkbox"/> No <input type="checkbox"/> If Yes, specify					
<i>Part of body (check) indicate right or left when applicable</i>					
1 <input type="checkbox"/> Head	5 <input type="checkbox"/> Mouth	9 <input type="checkbox"/> Arm	13 <input type="checkbox"/> Knee	17 <input type="checkbox"/> Toe	21 <input type="checkbox"/> Groin
2 <input type="checkbox"/> Face	6 <input type="checkbox"/> Heart	10 <input type="checkbox"/> Wrist	14 <input type="checkbox"/> Leg	18 <input type="checkbox"/> Hip	22 <input type="checkbox"/> None
3 <input type="checkbox"/> Eye	7 <input type="checkbox"/> Back	11 <input type="checkbox"/> Hand	15 <input type="checkbox"/> Ankle	19 <input type="checkbox"/> Neck	23- <input type="checkbox"/> other _____
4 <input type="checkbox"/> Ear	8 <input type="checkbox"/> Trunk	12 <input type="checkbox"/> Finger	16 <input type="checkbox"/> Foot	20 <input type="checkbox"/> Shoulder	
<i>Type of injury (check)</i>					
1 <input type="checkbox"/> Reaction to foreign substances/objects		6 <input type="checkbox"/> Fracture			
2 <input type="checkbox"/> Puncture		7 <input type="checkbox"/> Amputation			
3 <input type="checkbox"/> Laceration		8 <input type="checkbox"/> Sprain/Strain			
4 <input type="checkbox"/> Contusion		9 <input type="checkbox"/> Other			
5 <input type="checkbox"/> Burn		6 <input type="checkbox"/> Fracture			
What type of training has been conducted to prevent recurrence:					
Describe what acts or conditions may have contributed to the incident. (Analyze all the facts concerned. If either the injured person, a machine or other physical condition was involved, find out How. Use the Possible Worker's Compensation Accident Causes on the back of this form to complete this section.):					
Corrective Action(s) taken:					
Investigated by:			Date:		

PART IV - MANAGEMENT REVIEW	
Are you satisfied with your review of Part I-III that the accident has been thoroughly investigated? <input type="checkbox"/> Yes <input type="checkbox"/> No If NO, return for a more detailed report.	
As a result of your review, have you identified any additional reasons why the accident occurred: <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, list the reasons:	
Corrective action(s) you are taking:	
Who have you made responsible for corrections:	
Signature of Superintendent	Date:
Manager Comments:	
As a result of the Foreman's investigations and my comments above, I am satisfied that the accident has been thoroughly investigated. Corrective actions will be personally followed up by me until complete.	
Signature of Manager	Date:

POSSIBLE WORKER'S COMPENSATION ACCIDENT CAUSES

UNSAFE ACT - PERSONAL FACTORS	UNSAFE CONDITION
Making safety devices inoperable Failure to use guards provided Using defective equipment Servicing equipment in motion Failure to use proper tools or equipment Operating machinery or equipment at unsafe speed Failure to use personal protective equipment Operating without authority Lack of skill or knowledge Unsafe loading or placing Improper lifting, lowering or carrying Taking unsafe position Unnecessary haste Influence of alcohol or drugs Physical limitation or mental attitude Unaware of hazards Unsafe act or other	Inadequate guards or protection Defective tools or equipment Unsafe condition of machine Congested work area Poor housekeeping Unsafe floors, ramps, stairways, platforms Improper material storage Inadequate warning system Fire or explosion hazards Hazardous atmosphere: gases, dust, fumes, vapors Hazardous substances Inadequate ventilation Radiation exposures Excessive noise Inadequate lighting

THE PURPOSE OF THIS INVESTIGATION FORM IS NOT TO PLACE FAULT OR BLAME. ITS PURPOSE IS TO INVESTIGATE ALL POSSIBLE CAUSES OF THE ACCIDENT TO TAKE NECESSARY CORRECTIVE ACTIONS AND CONTINUALLY IMPROVE PROJECT SAFETY.

ATTACHMENT C

**OYSTER COVE – SOIL REMEDIATION
WORKER/VISITOR COVID-19 COMPLIANCE LOG**

Workers and visitors are required to check their temperatures in the morning prior to coming to the site. Body temperatures should be between 97 and 99 degrees Fahrenheit (normal adult range). Workers and visitors are also required to notify their site supervisor if they exhibit any of the symptoms commonly associated with COVID-19. Workers are required to state that they meet all of the requirements detailed in Section 5.2.1.

Non-compliance with escort’s directions will not be tolerated and violators will be requested to leave the Site immediately.

NAME	DATE	COMPANY	TEMP OKAY?	COVID-19 REQUIREMENTS
1.			Y/N	Y/N
2.			Y/N	Y/N
3.			Y/N	Y/N
4.			Y/N	Y/N
5.			Y/N	Y/N
6.			Y/N	Y/N
7.			Y/N	Y/N
8.			Y/N	Y/N
9.			Y/N	Y/N
10.			Y/N	Y/N
11.			Y/N	Y/N
12.			Y/N	Y/N
13.			Y/N	Y/N
14.			Y/N	Y/N
Site Safety Officer Signature:		Date:		

ATTACHMENT D

WORKER/ VISITOR ENTRY AND EXIT CONTROL LOG

NAME	DATE	TIME	IN	OUT

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SSO Signature _____ Date _____

ATTACHMENT E

JOB SITE EMERGENCY PROCEDURES

Job Site: _____ Date: _____

EMERGENCY TELEPHONE NUMBERS:

Fire: _____

Police: _____

Ambulance: _____

Hospital: _____

IN CASE OF FIRE:

- exit the site using the evacuation route
- call the fire department
- go immediately to the assembly point

EVACUATION ROUTE:

ASSEMBLY POINT: _____

IN CASE OF SERIOUS INJURY:

- immediately contact first aid trained personnel
- call for medical assistance

Job site first aid trained personnel:

Trained personnel will take immediate charge of the emergency situation. (Supervision to perform accident investigation)

IN CASE OF NATURAL DISASTER: (CHECK)

Tornado: Seek inside shelter, preferably underground. Stay away from windows. If outside, move away from the tornado's path at a right angle, or lie flat in a ditch or ravine.

Earthquake: Evacuate the building and go directly to the designated assembly point for instructions.

Other: _____

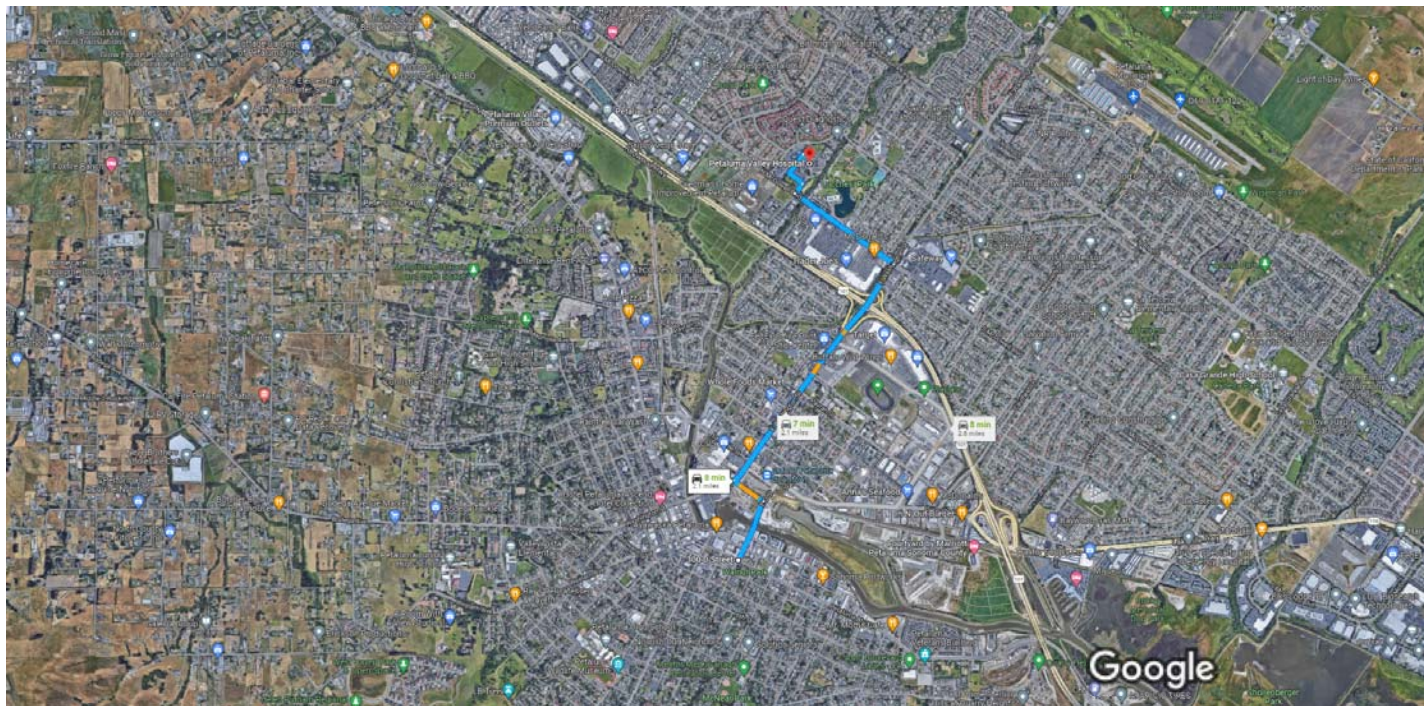
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ATTACHMENT F
HOSPITAL MAP



300 D St, Petaluma, CA 94952 to Petaluma Valley Hospital, 400 N McDowell Blvd, Petaluma, CA 94954

Drive 2.1 miles, 8 min



Imagery ©2022 Google, Imagery ©2022 Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO, Map data ©2022 Google 1000 ft

300 D St
Petaluma, CA 94952

↑ 1. Head northeast on D St toward 2nd St
1 min (0.2 mi)

↶ 2. Turn left onto Copeland St
35 s (0.1 mi)

Drive
6 min (1.5 mi)

↘ 3. Turn right at the 1st cross street onto E Washington St
1.1 mi

↶ 4. Use the left 2 lanes to turn left onto N McDowell Blvd
0.5 mi

Drive to your destination
2 min (0.2 mi)

↘ 5. Turn right at Lynch Creek Way
256 ft

↩ 6. Turn left

_____ 0.2 mi

↪ 7. Turn right

_____ 79 ft

↪ 8. Turn right

_____ 56 ft

Petaluma Valley Hospital

400 N McDowell Blvd, Petaluma, CA 94954

ATTACHMENT G

ACKNOWLEDGMENT

This is to acknowledge my participation in an environmental sampling project. My signature below acknowledges my awareness of the potential for the presence of lead, benzo[a]pyrene, and benzo[a]anthracene in elevated concentrations. Lead concentrations in soil may exceed the total Threshold Limit Concentrations. I accept the responsibility to protect myself with the appropriate personal protective equipment. In the event I have any safety questions, I will not hesitate to ask the Head Site Safety Officer.

(Signature)

(Date)

DRAFT



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