



AEI Consultants

November 5, 2018

LIMITED PHASE II SUBSURFACE INVESTIGATION

Property Identification:

480 East Fourth Avenue and 400 East Fifth Avenue
San Mateo, California

AEI Project No. 391622

Prepared for:

Ms. April Mo
MidPen Housing Corporation
303 Vintage Park Drive, Suite 250
Foster City, California 94404

Prepared by:

AEI Consultants
2500 Camino Diablo
Walnut Creek, California

Environmental
Due Diligence

Building
Assessments

Site Investigation
& Remediation

Energy Performance
& Benchmarking

Industrial Hygiene

Construction
Risk Management

Zoning Analysis
Reports & ALTA
Surveys

National Presence

Regional Focus

Local Solutions

TABLE OF CONTENTS

1.0 SITE DESCRIPTION	1
2.0 BACKGROUND	2
3.0 INVESTIGATION EFFORTS	3
3.1 Health and Safety Plan	4
3.2 Permitting and Utility Clearance	4
3.4 Drilling and Soil Sample Collection	4
3.4.1 Soil Sample Collection	4
3.4.2 Headspace Testing	5
3.5 Groundwater Sample Collection	5
3.6 Soil Gas Sample Collection	5
3.7 Boring Destruction	6
3.8 Laboratory Analyses	6
3.9 Investigation Derived Wastes	6
4.0 FINDINGS	7
4.2 Subsurface Conditions	7
4.2 Analytical Results	7
4.2.1 Soil Sample Analytical Results	7
4.4 Soil Gas Sample Analytical Results	9
5.0 SUMMARY AND CONCLUSIONS	9
6.0 REPORT LIMITATIONS AND RELIANCE	10

FIGURES

Figure 1	Site Location Map
Figure 2	Site Map

TABLES

Table 1	Soil Sample Data Summary – TPH, VOCs & SVOCs
Table 2	Soil Sample Data Summary – Metals & PCBs
Table 3	Soil Gas Sample Data Summary

APPENDICES

Appendix A	Permit
Appendix B	Boring Logs
Appendix C	Laboratory Analytical Reports



November 5, 2018

Ms. April Mo
MidPen Housing Corporation
303 Vintage Park Drive, Suite 250
Foster City, California 94404

Subject: Limited Phase II Subsurface Investigation
400 East Fifth Avenue and 480 East Fourth Avenue
San Mateo, California
AEI Project No. 391622

Dear Ms. Mo:

AEI Consultants (AEI) is pleased to provide this report which describes the activities and results of the Limited Phase II Subsurface Investigation (Phase II) performed at two properties, 400 East Fifth Avenue and 480 East Fourth Avenue in San Mateo California ("the Site"). This investigation was completed in general accordance with the authorized scope of services outlined in our proposal dated August 24, 2018 (AEI Proposal No. 59809), which was subsequently authorized on September 17, 2018.

The purpose of this investigation was to characterize the current conditions at the Site and to assess shallow soil conditions related to known releases from former underground storage tanks (USTs), potential soil impacts from the former electrical substation, and to evaluate the vapor intrusion pathway at the 480 East Fourth Avenue property. Information regarding the Site description, background, scope of work, findings, conclusions, and recommendations are provided in the following sections.

1.0 SITE DESCRIPTION

The Site is located along the southwest side of South Claremont Street in a commercial area of San Mateo, California. Figure 1 presents the Site location and vicinity. Figure 2 presents the Site plan. The 400 East Fifth Avenue parcel is covered by an asphalt parking lot and two buildings were constructed on the remainder of the parcel in 2003. The 480 East Fourth Avenue parcel is an asphalt parking lot. The general land use in the vicinity of the Site is commercial.

Groundwater monitoring data obtained from the State of California GeoTracker database for a nearby Site, and from historical on-site groundwater monitoring wells, indicated that the depth to groundwater is approximately 15 to 18 feet below ground surface (bgs). Regional topography suggests that the inferred direction of groundwater flow beneath the Site is to the east.

Based on a review of the United States Geological Survey (USGS) San Francisco Bay Quadrangle Geologic Map, the area surrounding the Site is underlain by medium-grained alluvium of the

Holocene era, consisting of unconsolidated to moderately consolidated, moderately sorted sand and silty to clayey sand.

2.0 BACKGROUND

A Phase I Environmental Site Assessment (ESA) for 400 East Fifth Avenue was performed by AEI as detailed in a report dated July 31, 2018 (AEI Project Number 391622). According to the Phase I ESA, railroad spurs have been associated with the property from 1908 to 1933, and an electrical substation has been adjacent to the northeast of the Site since the 1950s. Railroad tracks and spurs represent environmental concerns due to the historical application of oils containing PCBs, herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material. A Limited Phase II was previously conducted at the subject property in 1997 to evaluate the potential for the historical use of the subject property as well as the adjacent electrical substation to impact the subsurface. Chemicals of concern evaluated in the Phase II included petroleum hydrocarbons, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and metals. The analytical results indicated the upper two feet of soil contains relatively low concentrations of petroleum hydrocarbons, primarily in the heavy hydrocarbon range. No PCBs, VOCs, or SVOCs were detected in any of the samples, and metals were found to be within background concentrations. With the exception of chloroform, detected in one sample at a concentration slightly below the reporting limit, no analytes were detected in groundwater. It should be noted that AEI was not provided with the Limited Phase II report in its entirety, only the Executive Summary. As such, AEI recommended the performance of a Phase II in order to determine if the property has been adversely impacted by the former railroad spurs and adjacent substation.

A Phase I Environmental Site Assessment (ESA) for 480 East Fourth Avenue was performed by AEI as detailed in a report dated July 31, 2018 (AEI Project Number 391622). As detailed in the Phase I ESA, a lumber planning mill has been associated with the subject property since 1910 and redeveloped and used as a service station and car wash for approximately 30 years and demolished in 1980s. In 1985, two underground storage tanks (USTs) were removed in the northwestern portion of the subject property. On October 1, 1990, a 250-gallon diesel UST was removed from the eastern portion of the subject property. Two soil samples were collected from beneath the UST and a composite sample was collected from the stockpiled soil; all samples were analyzed for TPHg and BTEX. TPHg was not detected in any of the samples; benzene and xylenes were reported at maximum concentrations of 0.013 and 0.0072 mg/kg, respectively. San Mateo County issued a No Further Action letter for this UST on January 14, 1991.

In February 1995, six soil borings were advanced in the vicinity of the former 4,000-gallon USTs to maximum depths of 20 feet bgs. TPHg, TPHd, and benzene were reported at maximum concentrations of 140 mg/kg, 52 mg/kg, and 0.24 mg/kg, respectively, and an Unauthorized Release Report was subsequently completed. Later in 1995, two groundwater investigations were conducted, including the installation of one groundwater monitoring well (MW-1) and six temporary monitoring points. TPHg and benzene were reported at maximum concentrations of 78,000 ug/L and 4,100 ug/L, respectively, with the highest concentrations in the vicinity of the former gasoline USTs. An additional groundwater monitoring well (MW-2) was installed in



February 1997, along with two soil borings. Groundwater monitoring well MW-2 was located to the east of, and hydrologically down-gradient, of the former gasoline USTs. The subject property was subsequently redeveloped in 1998 with an asphalt-paved parking lot and commercial building. Based on what was considered adequate delineation, removal of the source, and lack of migration to the down-gradient well (MW-2), the SMCHSA closed the case on November 21, 2002, following case closure approval and proper abandonment of the groundwater monitoring wells. At the time of case closure, elevated concentrations of TPHg and benzene remained in groundwater monitoring well MW-1 at concentrations of 18,700 ug/L and 2,900 ug/L, respectively. The case closure letter indicates that residual contaminated soil and groundwater remain at the subject property, and the San Mateo Building Department and Environmental Health Division must be contacted prior to change in use of the property or development of the subject property. The former release case, and associated closure with notification requirements, is considered a controlled recognized environmental condition. In addition, the elevated concentrations of benzene in groundwater exceeded applicable screening levels for the evaluation of vapor intrusion to indoor air (RWQCB ESLs).

3.0 INVESTIGATION EFFORTS

AEI was requested to perform a limited Phase II subsurface investigation to characterize current conditions at the Site, including collecting soil samples at locations across the 400 East Fifth Avenue property to assess shallow soil conditions and collecting soil, soil gas, and groundwater samples from locations across the 480 East Fourth Avenue property to assess current conditions related to the known releases from the former USTs, potential soil impacts from the former electrical substation, and evaluate the vapor intrusion pathway.

The proposed soil boring locations are shown on Figure 2 and are presented below.

480 East Fourth Avenue parcel soil borings were advanced to assess subsurface impacts potentially associated with the former UST release. Borings locations are listed below:

- Boring B-7 was advanced on the north corner of the parcel to a depth of 24 feet bgs for the collection of soil and soil gas samples.
- Boring B-8 was advanced in the area of the former building footprint to a depth of 18 feet bgs for the collection of soil and soil gas samples.
- Borings B-9 through B-12, B-14 and B-16 were advanced across the property to a depth of 20 feet bgs for collection of soil and soil gas samples.
- Borings B-13 and B-15 were advanced adjacent to the former electrical substation to a depth of 5 feet bgs for collection of soil and soil gas samples.

400 East Fifth Avenue parcel soil borings were advanced to assess the subsurface for potential impacts associated with the former rail road spurs and adjacent substation. Boring locations are listed below:

- Borings SB-1 through SB-8 were advanced at locations across the property to a depth of 4 feet bgs for the collection of soil samples.



3.1 Health and Safety Plan

A Site-specific health and safety plan was prepared, reviewed by onsite personnel, and kept onsite for the duration of the fieldwork.

3.2 Permitting and Utility Clearance

Prior to drilling activities, each of the proposed soil boring locations were marked on the ground surface with white paint. Upon marking, Underground Services Alert (USA) 811 North was contacted, who in turn, notified subscribing utility companies of the planned investigation work for underground utility locations to be marked along the ground surface around the Site boundaries and proposed boring locations. Private utility locating was also conducted by GPRS of San Jose, California to identify underground utilities on the subject property.

A Subsurface Drilling Permit was obtained from San Mateo County Environmental Health Services for this investigation. A copy of the permit is included in Appendix A. As a condition of the permit, the data collected under the permit must be transmitted to the San Mateo County Environmental Health Services.

3.4 Drilling and Soil Sample Collection

On October 8 and October 9, 2018, 18 soil borings (B-7 through B-16 on the 480 East Fourth Avenue parcel and SB-1 through SB-8 on the 400 East Fifth Avenue parcel) were advanced at the Site (Figure 2). AEI contracted a State of California licensed drilling company, Environmental Control Associates of Aptos, California to advance each of the soil borings using a truck mounted direct-push drilling rig or portable direct-push drilling rig. The borings were advanced to depths between 4 and 24 feet below ground surface (bgs).

3.4.1 Soil Sample Collection

Soil core from each of the soil borings was continuously collected for the purposes of lithologic logging, headspace testing and sample collection for potential laboratory analyses. Soil samples were obtained using a single-walled coring system approximately 2.25 inches and 4 feet in length containing plastic liners. The coring system was connected to 1-inch diameter, flush-jointed drill rod that was hydraulically driven (pushed) by the rig to each target sample depth. Upon retrieval from each sample depth interval, the coring system was opened, followed by the removal and opening of the plastic liners and preparation of soil samples for laboratory analyses. After opening the liners, the soils also were visually inspected for the potential presence of impacted soils. Recovered soils were described on detailed boring logs in general conformance with the United Soil Classification System (USCS). Additional lithologic descriptions and drilling information were recorded on the boring logs presented in Appendix B.

The soil samples were collected for potential chemical analysis by cutting 6-inch increments from the acetate liner, sealing the ends with Teflon™ tape and capped with plastic endcaps. The soil samples were labeled with the project name, project number, boring number, sample depth, and sampling date/time then placed into a chilled ice chest containing crushed ice for transport to the analytical laboratory. Chain-of-custody documentation was completed and accompanied the samples during transport to the analytical laboratory.



3.4.2 Headspace Testing

Headspace testing was performed with a photo-ionization detector (PID) equipped with an electrodeless 10.6 eV ultraviolet lamp or equivalent for detecting the presence of total volatile organic compounds (VOCs) in the soil samples. To initiate the headspace testing procedure, soil samples were removed from the sample liners, placed into labeled, plastic bags, and sealed for conducting the tests. After sufficient time had elapsed for gas build-up inside the bag, each bag was punctured with the probe tip of the PID to allow for measurement of the headspace. Measurements of the headspace were obtained in the parts per million (ppm) range for total VOCs. The PID readings were recorded on the boring logs presented in Appendix B.

3.5 Groundwater Sample Collection

On October 8 and 9, 2018, attempts were made to collect grab-groundwater samples from select soil borings. However, groundwater was not encountered to the total depth investigated of 24-feet bgs. Groundwater could not be collected in borings B-7 through B-12, B-14, and B-16. In accordance with the approved proposal, soil samples were collected from the bottom of the borehole for chemical analysis.

3.6 Soil Gas Sample Collection

Eight temporary soil gas probes were constructed in soil borings advanced immediately adjacent to soil borings B-7 through B-12, B-14, and B-16 (Figure 2). The soil gas probes were installed and sampled in general accordance with the guidelines presented in the *Advisory: Active Soil Gas Investigations*, prepared by the California Department of Toxic Substances Control (DTSC), et al., dated July 2015.

Each soil gas boring was advanced to 5.5-feet bgs then backfilled with clean, dry sand to 5.0 feet bgs. This was followed by the installation of a temporary soil gas probe attached to inert 0.25-inch diameter Nylaflo tubing connected to a one-inch plastic probe tip extending to the top of the sand pack. The soil gas probe was positioned at approximately 5 feet bgs in each boring. After the probe and tubing were set in place, an additional 6 inches of clean, dry sand was added above the tip of the probe. The borehole annulus above the sand pack was then filled with approximately 1 foot of dry granular bentonite, followed by the placement of hydrated granular bentonite to grade.

After waiting a minimum of 2 hours for the soil gas probes to equilibrate with the surrounding material, a shut-in test was performed to check for leaks in the above-ground sampling manifold. The shut-in tests were performed by exerting a vacuum on the sealed above-ground manifold with a six-liter purge canister for at least one minute or longer. If there was any observable loss of vacuum, the fittings were adjusted until the vacuum in the sample train did not noticeably dissipate. Fittings used for the soil gas sampling train consisted of Swagelok® type fittings. A total of three volumes of air were purged from the annular space and tubing prior to collecting a sample through a laboratory-supplied regulator set at 200 milliliters per minute.



Following the shut-in test and purging, a soil gas sample was collected from each soil gas probe. A leak check was performed at each location by introducing and maintaining helium in the ambient air within a plastic shroud placed around the sample apparatus for the duration of the sample collection. The soil gas sample was collected using a laboratory-provided sampling manifold (sampling train) with an average flow rate of 200 milliliters per minute, into a one-liter Summa™ canister. Initial and final readings on the vacuum gauge were recorded at the beginning and end of sampling to confirm sample collection. Sampling was completed with a slight vacuum [of approximately -5 inches of mercury(Hg)] remaining in the canisters. Upon sample retrieval, the Summa™ canisters were labeled with the appropriate project information, including the project name, project number, sample location and depth, date and time of sampling, sampler's name, canister identification number, and the initial and final canister vacuums. Chain-of-custody documentation was completed and accompanied the Summa™ canisters to the analytical laboratory.

3.7 Boring Destruction

Following completion of sample collection and removal of tooling, the borings were backfilled with neat cement grout as required by San Mateo County and completed with concrete at the ground surface to match the surrounding conditions.

3.8 Laboratory Analyses

The samples were transferred under chain-of-custody documentation to Torrent Laboratory Inc. of Milpitas, California. Laboratory analytical documentation is provided in Appendix C.

Select soil samples were analyzed as follows:

- Total Petroleum Hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), and TPH as motor oil (TPHmo) using US EPA Testing Method 8015M
- VOCs using US EPA Testing Method 8260B
- SVOCs using US EPA Testing Method 8270C Low Level
- Polychlorinated Biphenyls (PCBs) using US EPA Testing Method 8082A
- Resource Conservation and Recovery Act (RCRA) 8 Metals using US EPA Testing Method 6010B

Each of the soil gas samples were analyzed as follows:

- VOCs using US EPA Testing Method TO-15
- Helium, as a leak check compound, using ASTM 1946-90

3.9 Investigation Derived Wastes

Investigation derived waste was left onsite in one 55-gallon drum. Disposition of waste will be dependent upon analytical results. Upon completion of the waste profiling, removal and transport of the wastes to an appropriate disposal facility can be arranged per client approval.



4.0 FINDINGS

4.2 Subsurface Conditions

Sediment encountered in each of the borings located on the 480 East Fourth Avenue parcel generally consisted of dark yellowish brown, hard, dry silt in the upper 6.5 feet. Between 6.5 feet to 13 feet bgs, dark yellowish brown, dense, dry sand was encountered. Between 13 feet to 20 feet bgs, yellowish brown hard, dry clay was encountered. One soil boring was advanced to 24 feet bgs and dark yellowish brown very hard, dry clay was encountered. The maximum PID reading was 0.8 parts per million observed in headspace testing of soil collected from soil boring B-9 and B-11 at a depth of 0.3 feet bgs.

Sediments encountered in each of the borings located on the 400 East Fifth Avenue parcel generally consisted of brown, loose, moist, gravelly sand to 4 feet bgs. The maximum PID reading was 0.3 parts per million observed in headspace testing of soil collected from soil boring SB-2 at a depth of 1 feet and 2 feet bgs.

Visual or olfactory evidence (i.e., soil discoloration, odor) of potentially-impacted soils was not observed during drilling activities.

4.2 Analytical Results

For purposes of providing context to the data obtained during this investigation, analytical results were compared to applicable San Francisco Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for a commercial land use scenario, the current use of the property. The ESLs are considered to be conservative. Under most circumstances, and within the limitations described in ESLs, the presence of a chemical in soil or soil gas at concentrations below the corresponding ESL may be assumed to not pose a significant threat to human health and the environment. Additional evaluation may be necessary at sites where a chemical is present at concentrations above the corresponding ESL.

For this investigation, AEI understands that the 400 Fourth Avenue parcel will be redeveloped into a parking structure and the 480 East Fourth Avenue parcel will be redeveloped for residential use. Therefore, analytical results generated during this investigation were compared to the ESLs assuming an exposure pathway for direct contact and vapor intrusion under the residential and commercial land use scenarios based upon the future land use of each parcel, where appropriate.

The arsenic comparison concentrations should be taken from Geochemical and Mineralogical Maps for the Conterminous United States by United States Geological Survey (USGS). It indicates background levels of arsenic in this particular location's soil to have a background upper limit of 8.4 milligrams per kilogram (mg/kg). Additional evaluation may be necessary at sites where a chemical is present at concentrations above the corresponding ESL and soil gas criteria.

4.2.1 Soil Sample Analytical Results

Table 1 and Table 2 present a summary of the soil sample analytical results. Laboratory analytical documentation is provided in Appendix C.



The soil sample analytical test results for 400 East Fifth Avenue can be summarized as follows:

- TPHmo detected in each of the eight soil samples collected and analyzed, observed at a maximum concentration of 3,120 milligrams per kilogram (mg/kg), which is below the residential ESL of 11,000 mg/kg.
- TPHd was detected in one of the eight soil samples collected and analyzed, detected at a concentration of 113 mg/kg, which is below the residential ESL of 230 mg/kg.
- TPHg was not detected in the eight soil samples collected and analyzed at or above the laboratory reporting limit.
- SVOC nor PCBs constituents were not detected in the eight soil samples collected and analyzed at or above their respective laboratory reporting limits.
- Arsenic was detected in one of the eight soil samples collected and analyzed, detected at a concentration of 3.78 mg/kg in SB-7-1. The detected arsenic concentration was found to exceed direct contact residential ESLs of 0.067 mg/kg; however, the arsenic levels observed in the sample collected from the Site are consistent with naturally occurring arsenic (4.3 – 5.2 mg/kg) as demonstrated by USGS' *Geochemical and Mineralogical Maps for the Conterminous United States* (Smith, 2014) for the San Mateo area.
- Barium, Chromium, and Lead were detected in each of the borings but do not exceed their respective direct exposure ESL limits.
- Remaining RCRA 8 metals were not detected from any of the borings above the laboratory reporting limits.

The soil sample analytical test results for 480 East Fourth Avenue can be summarized as follows:

- TPHmo was detected in seven of the sixteen soil samples collected and analyzed, observed at a maximum concentration of 1,960 mg/kg, which is below the residential ESL of 11,000 mg/kg.
- TPHd was detected in eight of the sixteen soil samples collected and analyzed, observed at a maximum concentration of 31.3 mg/kg, which is well below the residential ESL of 240 mg/kg.
- TPHg was not detected in the sixteen soil samples collected and analyzed at or above the laboratory detection limit.
- VOCs nor PCBs were not detected in the soil samples collected and analyzed at or above their respective laboratory reporting limits.
- Arsenic was detected in each of the soil samples collected and analyzed at concentrations ranging from 3.40 to 4.55 mg/kg. The detected arsenic concentrations were found to exceed direct contact residential ESLs of 0.067 mg/kg; however, the arsenic levels observed in samples collected from the Site are consistent with naturally occurring arsenic (4.3 – 5.2 mg/kg) as demonstrated by USGS' *Geochemical and Mineralogical Maps for the Conterminous United States* (Smith, 2014) for the San Mateo area.
- Barium, Chromium, and Lead were detected in each of the borings, but at concentrations below their respective direct exposure ESL limits.
- Remaining RCRA 8 metals were not detected in the ten soil samples collected and analyzed at or above their respective laboratory reporting limits.



4.4 Soil Gas Sample Analytical Results

Table 3 presents a summary of the soil gas sample analytical results. Laboratory analytical documentation is provided in Appendix B. The soil gas sample results can be summarized as follows:

- Benzene was detected in six of the eight soil gas samples collected and analyzed, observed at concentrations between 2.7 to 5.2 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), which is below the residential ESL of $48 \mu\text{g}/\text{m}^3$.
- Ethylbenzene was detected in one of the eight soil gas samples collected and analyzed, observed at a concentration of $3.6 \mu\text{g}/\text{m}^3$ in B-10, which is below the residential ESL of $560 \mu\text{g}/\text{m}^3$.
- PCE was detected in four of the eight soil gas samples collected and analyzed, observed at concentrations between 3.5 and $110 \mu\text{g}/\text{m}^3$, which is below the residential ESL of $240 \mu\text{g}/\text{m}^3$. The source of the PCE cannot be determined with the available information and results; however, it should be noted that one case upgradient and within approximately 186 feet of this area has documented PCE and related solvent detections in soil and groundwater above ESLs.
- Several other VOCs were detected in soil gas as shown in Table 3; however, none of the other detected VOCs exceeded their current applicable ESLs for vapor intrusion, where established.
- Helium, used as a leak detection, was detected at concentrations ranging from 0.29% to 1.4% of the shroud, which is well below the allowable 5%. Therefore, the results are considered valid.

5.0 SUMMARY AND CONCLUSIONS

AEI has completed a Phase II at the Site as described above. AEI was requested to perform a limited Phase II subsurface investigation to characterize current conditions at the Site, including collecting soil samples at locations across the 400 East Fifth Avenue parcel to assess shallow soil conditions and collecting soil and soil gas samples from locations across the 480 East Fourth Avenue parcel to assess current conditions related to the known releases from the former USTs, potential soil impacts from the former electrical substation, and evaluate the vapor intrusion pathway. A total of 18 soil borings were advanced for the collection of soil and soil gas samples. Soil samples from the 400 East Fifth Avenue parcel were analyzed for TPHg, TPHd, TPHmo, SVOCs, metals, and PCBs. Soil samples collected from the 480 East Fourth Avenue parcel were analyzed for TPHg, TPHd, TPHmo, and metals. Additional soil samples collected from the 480 East Fourth Avenue parcel were analyzed for PCBs and VOCs. Soil gas samples were analyzed for VOCs. Attempts were made to collect grab-groundwater samples from the borings; however, groundwater was not encountered to the total depth investigated. Therefore, no groundwater samples were collected. Soil samples were collected from the bottom of the borehole in lieu of groundwater samples and analyzed as discussed above.

Based on the results of this investigation, concentrations of contaminants investigated were each below the referenced ESLs. Therefore, no further investigation is recommended at this time. AEI



understands that these properties are undergoing planning for redevelopment; currently those plans include structured parking on the 400 East Fifth Avenue property and a multifamily residential building on the 480 East Fourth Avenue property. Although significant impacts were not identified during this investigation, if soils are excavated from the Site for disposal, such soil may require proper management and disposal. In addition, due to the historical uses of these properties and findings of the investigations, it would be prudent that grading and earthwork be conducted under an appropriately developed Environmental Site Management Plan (ESMP).

6.0 REPORT LIMITATIONS AND RELIANCE

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the subject property. Undocumented, unauthorized releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, has been made.

This investigation was prepared for the sole use and benefit of MidPen Housing Corporation. All reports, both verbal and written, whether in draft or final, are for the benefit of MidPen Housing Corporation. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by MidPen Housing Corporation. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.



If there are any questions regarding our investigation, please do not hesitate to contact Mr. Peter McIntyre at (925) 746-6004.

Sincerely,
AEI Consultants

DRAFT

Trent A. Weise, P.E.
Vice President

AEI Consultants
2500 Camino Diablo
Walnut Creek, California
Phone: 925-746-6000
Fax: 925-746-6099

DRAFT

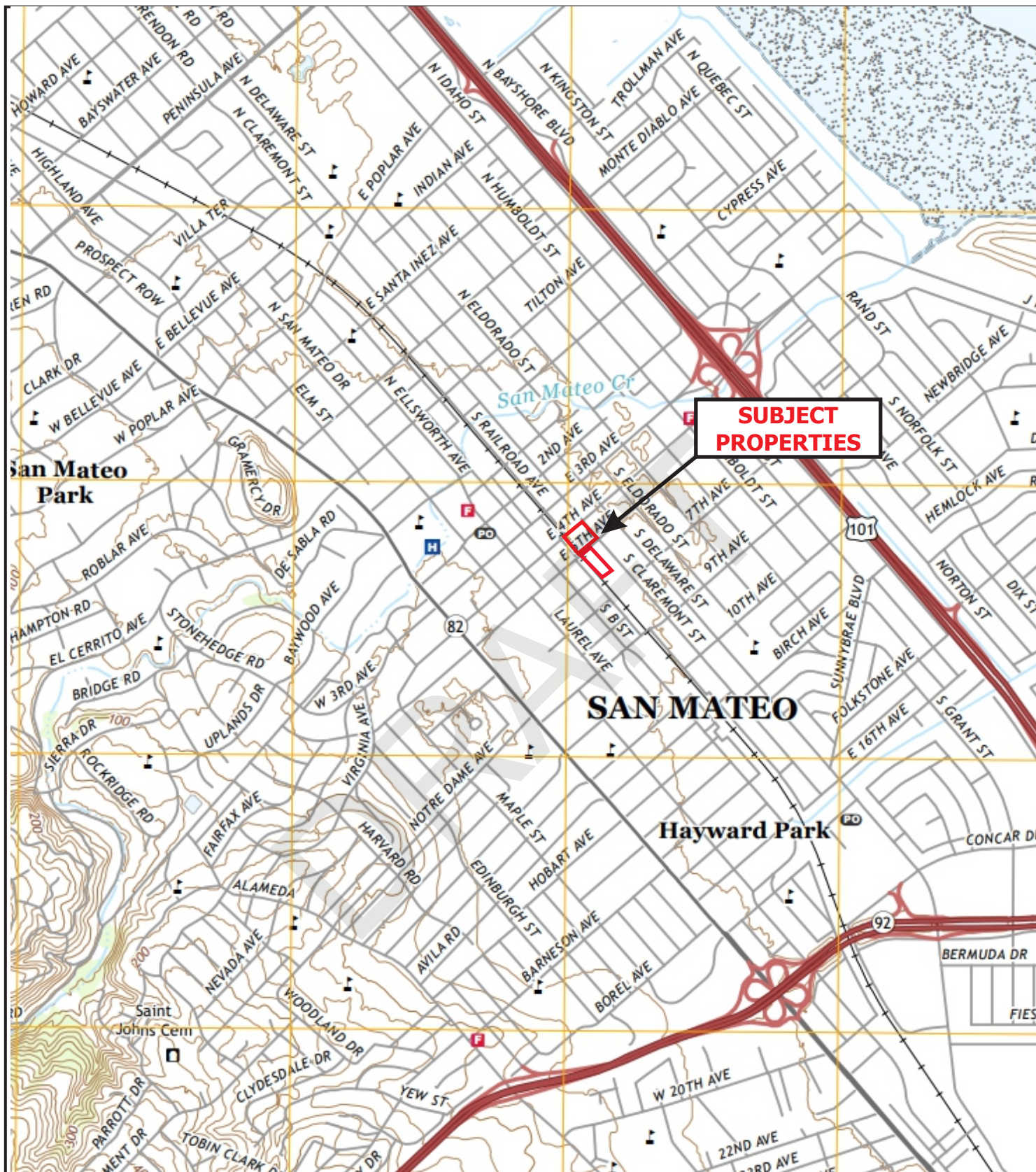
Ariel Kittredge
Staff Geologist



FIGURES

DRAFT





LEGEND

Map: San Mateo Quadrangle
Date: 2018
Source: USGS



AEI Consultants

SITE LOCATION MAP

400 East Fifth Avenue
480 East Fourth Avenue
San Mateo, California

FIGURE 1
Project No. 391622



LEGEND

Approximate Property Boundary

Shallow Soil Boring Location

Soil Boring / Soil Gas Location

Former building footprint

Former substation area

Former UST

Basemap Sources:
Treadwell & Rollo Figure 2 Sample Locations 08/14/01
Google Earth Pro

0

50

100

SCALE: 1" = 100'

AEI Consultants

SITE MAP

400 East Fifth Avenue
480 East Fourth Avenue
San Mateo, California

FIGURE 2

Project No. 391622

TABLES

DRAFT



TABLE 1: SOIL SAMPLE DATA SUMMARY - TPH, VOCs, & SVOCs
400 East 4th Avenue & 480 East 5th Avenue San Mateo, California

Location ID	Date	Depth (feet bgs)	TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	PCE (mg/kg)	TCE (mg/kg)	cis-1,2-DCE (mg/kg)	trans-1,2-DCE (mg/kg)	Vinyl Chloride (mg/kg)	Remaining VOCs (mg/kg)	SVOCs (mg/kg)
400 East 5th Avenue																
SB-1-1	10/8/2018	1	<0.1	<80	1,090	--	--	--	--	--	--	--	--	--	--	<RL
SB-2-1	10/8/2018	1	<0.1	<80	3,120	--	--	--	--	--	--	--	--	--	--	<RL
SB-3-1	10/8/2018	1	<0.1	<80	1,480	--	--	--	--	--	--	--	--	--	--	<RL
SB-4-1	10/8/2018	1	<0.1	<80	1,420	--	--	--	--	--	--	--	--	--	--	<RL
SB-5-1	10/8/2018	1	<0.1	<80	1,110	--	--	--	--	--	--	--	--	--	--	<RL
SB-6-1	10/8/2018	1	<0.1	<80	1,330	--	--	--	--	--	--	--	--	--	--	<RL
SB-7-1	10/8/2018	1	<0.1	113	2,730	--	--	--	--	--	--	--	--	--	--	<RL
SB-8-1	10/8/2018	1	<0.1	<80	1,370	--	--	--	--	--	--	--	--	--	--	<RL
480 East 4th Avenue																
B-7-1	10/8/2018	1	<0.1	31.3	584	--	--	--	--	--	--	--	--	--	--	--
B-7-24	10/8/2018	24	<0.1	<2.0	<10	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<RL	--
B-8-1	10/8/2018	1	<0.1	5.65	45.9	--	--	--	--	--	--	--	--	--	--	--
B-8-18	10/8/2018	18	<0.1	<2.0	<10	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<RL	--
B-9-1	10/8/2018	1	<0.1	8.79	101	--	--	--	--	--	--	--	--	--	--	--
B-9-20	10/8/2018	20	<0.1	<2.0	<10	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<RL	--
B-10-1	10/8/2018	1	<0.1	2.58	<10	--	--	--	--	--	--	--	--	--	--	--
B-10-20	10/8/2018	20	<0.1	<2.0	<10	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<RL	--
B-11-1	10/8/2018	1	<0.1	<80	1,960	--	--	--	--	--	--	--	--	--	--	--
B-11-20	10/9/2018	20	<0.1	7.76	<10	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<RL	--
B-12-1	10/8/2018	1	<0.1	11.2	19.0	--	--	--	--	--	--	--	--	--	--	--
B-12-20	10/9/2018	20	<0.1	<2.0	<10	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<RL	--
B-14-1	10/8/2018	1	<0.1	<80	1,340	--	--	--	--	--	--	--	--	--	--	--
B-14-20	10/8/2018	20	<0.1	3.02	13.2	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<RL	--
B-16-1	10/8/2018	1	<0.1	2.60	<10	--	--	--	--	--	--	--	--	--	--	--
B-16-20	10/9/2018	20	<0.1	<2.0	<10	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<RL	--
<u>Comparison Values:</u>																
RWQCB ESL residential:			740	230	11,000	0.23	4,600	5.1	560	0.6	1.2	19	160	0.0082	Various	Various
RWQCB ESL com/ind:			3,900	1,100	140,000	1	4,600	22	2,400	2.7	8.0	90	730	0.15	Various	Various

Notes:

mg/kg	milligrams per kilogram
<MRL	less than the laboratory method reporting limit
--	not analyzed
bgs	below ground surface
TPHg	Total Petroleum Hydrocarbons as Gasoline
TPHd	Total Petroleum Hydrocarbons as Diesel
TPHmo	Total Petroleum Hydrocarbons as Motor Oil
PCBs	polychlorinated biphenyls
PCE	Tetrachloroethene
TCE	Trichloroethene
VOCs	volatile organic compounds
cis-1,2-DCE	cis-1,2-Dichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
SVOCs	semi-volatile organic compounds
Bold	Result exceeds a Comparison Value

Comparison Values:

RWQCB ESL residential: San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels for direct exposure human health risk levels for shallow soil exposure assuming residential (r) shallow soil exposure land use (RWQCB, February 2016, rev.3, Table S-1)

RWQCB ESL com/ind: San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels for direct exposure human health risk levels for shallow soil exposure assuming commercial/industrial (c/i) land use (RWQCB, February 2016, rev.3, Table S-1)

TABLE 2: SOIL SAMPLE DATA SUMMARY - METALS & PCBs
400 East 4th Avenue & 480 East 5th Avenue San Mateo, California

Location ID	Date	Depth (feet bgs)	As (mg/kg)	Ba (mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Pb (mg/kg)	Hg (mg/kg)	Se (mg/kg)	Ag (mg/kg)	PCBs (mg/kg)
400 East 4th Avenue											
SB-1-1	10/8/2018	1	<3.00	140	<5.00	25	6.15	<0.50	<5.00	<5.00	<RL
SB-2-1	10/8/2018	1	<3.00	153	<5.00	33.4	11.9	<0.50	<5.00	<5.00	<RL
SB-3-1	10/8/2018	1	<3.00	133	<5.00	25.2	11.8	<0.50	<5.00	<5.00	<RL
SB-4-1	10/8/2018	1	<3.00	141	<5.00	26.6	7.05	<0.50	<5.00	<5.00	<RL
SB-5-1	10/8/2018	1	<3.00	107	<5.00	27.8	6.35	<0.50	<5.00	<5.00	<RL
SB-6-1	10/8/2018	1	<3.00	105	<5.00	25.5	7.00	<0.50	<5.00	<5.00	<RL
SB-7-1	10/8/2018	1	3.78	85.0	<5.00	34.4	6.75	<0.50	<5.00	<5.00	<RL
SB-8-1	10/8/2018	1	<3.00	171	<5.00	28.4	13.8	<0.50	<5.00	<5.00	<RL
480 East 5th Avenue											
B-7-1	10/8/2018	1	<3.00	232	<5.00	26.9	11.4	<0.50	<5.00	<5.00	-
B-8-1	10/8/2018	1	3.94	254	<5.00	37.1	263	<0.50	<5.00	<5.00	-
B-9-1	10/8/2018	1	3.61	122	<5.00	40.6	121	<0.50	<5.00	<5.00	-
B-10-1	10/8/2018	1	<3.00	138	<5.00	54.0	7.95	<0.50	<5.00	<5.00	-
B-11-1	10/8/2018	1	<3.00	93.0	<5.00	17.0	11.1	<0.50	<5.00	<5.00	-
B-12-1	10/8/2018	1	<3.00	86.0	<5.00	53.5	5.40	<0.50	<5.00	<5.00	-
B-13-1	10/8/2018	1	4.55	154	<5.00	37.0	135	<0.50	<5.00	<5.00	<RL
B-14-1	10/8/2018	1	3.40	119	<5.00	28.1	7.30	<0.50	<5.00	<5.00	-
B-15-1	10/8/2018	1	3.53	121	<5.00	45.7	53.5	<0.50	<5.00	<5.00	<RL
B-16-1	10/8/2018	1	<3.00	94.0	<5.00	65.5	5.90	<0.50	<5.00	<5.00	-
Comparison Values:											
ESL - Default Tier 1			0.067 ¹	2,900	39	-	80	13	390	390	
ESL - Direct Exposure			0.94 ¹	2,900	41	-	320	42	1,700	1,700	

Notes:

mg/kg Milligrams per kilogram
 <RL less than the laboratory reporting limit
 - Not Analyzed
 bgs Below ground surface
¹ Arsenic concentrations from Geochemical and Mineralogical Maps for the Conterminous United States, a map completed in 2014 by the USGS indicate background levels of arsenic of soil onsite has background upper limit of 5.2 mg/kg.

As	Arsenic	Pb	Lead
Ba	Barium	Hg	Mercury
Cd	Cadmium	Se	Selenium
Cr	Total Chromium	Ag	Silver

Bold Exceeds one or more screening level and may be subject to disposal restrictions.
 PCBs Polychlorinated biphenyls

Comparison Values:

ESL Tier 1: Tier 1 Environmental Screening Levels (ESLs) from February 2016 (Rev. 3) ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board
 ESL Direct Contact: Direct Exposure Human Health (**Commercial OR Construction Worker** Exposure); Environmental Screening Levels (ESLs) from February 2016 (Rev. 3) ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board

TABLE 3: SOIL GAS SAMPLE DATA SUMMARY TABLE
480 East Fourth Avenue San Mateo, California

Location ID	Date	Depth (feet bgs)	Benzene (µg/m³)	Toluene (µg/m³)	Ethylbenzene (µg/m³)	Total Xylenes (µg/m³)	PCE (µg/m³)	TCE (µg/m³)	cis-1,2-DCE (µg/m³)	trans-1,2-DCE (µg/m³)	Vinyl Chloride (µg/m³)	Acetone (µg/m³)	tert-Butanol (µg/m³)
B-7	10/8/2018	5	3.7	4.6	<2.2	<4.4	4.9	<2.7	<2.0	<2.0	<1.3	31	2.7
B-8	10/8/2018	5	4.3	4.1	<2.2	<4.4	110	<2.7	<2.0	<2.0	<1.3	32	3.6
B-9	10/8/2018	5	5.2	5.0	<2.2	<4.3	100	<2.7	<2.0	<2.0	<1.3	31	2.7
B-10	10/8/2018	5	3.8	490	3.6	12.6	3.5	<2.7	<2.0	<2.0	<1.3	64	2.6
B-11	10/8/2018	5	4.9	6.3	<2.2	<4.4	<3.4	<2.7	<2.0	<2.0	<1.3	32	3.1
B-12	10/8/2018	5	<1.6	<1.9	<2.2	<4.4	<3.4	<2.7	<2.0	<2.0	<1.3	<12	<1.5
B-14	10/8/2018	5	<4.0	100	<5.4	<10.8	<8.5	<6.7	<5.0	<5.0	<3.2	<30	<3.8
B-16	10/8/2018	5	2.7	6.1	<2.2	3.1	<3.4	<2.7	<2.0	<2.0	<1.3	<12	<1.5
Comparison Values:													
ESL-VI:			420	1,300,000	4,900	440,000	2,100	3,000	35,000	350,000	160	140,000,000	NE
RSL - VI			48	160,000	560	52,000	240	240	4,200	42,000	4.7	16,000,000	NE

Notes:

µg/m³	micrograms per cubic meter
<RL	less than the laboratory reporting limit
NA	not analyzed
bgs	below ground surface
N/A	not applicable
TPHg	Total Petroleum Hydrocarbons as gasoline
PCE	Tetrachloroethene
TCE	Trichloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
NE	Not Established
Bold	Result exceeds a Comparison Value

Comparison Values:

ESL - VI:	Table SG-1 - Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Commercial Land Use); from February 2016 ESL Workbook rev3, Prepared by the San Francisco Bay Regional Water Quality Control Board
RSL - VI:	Table SG-1 - Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Residential Land Use); from February 2016 ESL Workbook rev3, Prepared by the San Francisco Bay Regional Water Quality Control Board

TABLE 3: SOIL GAS SAMPLE DATA SUMMARY TABLE
480 East Fourth Avenue San Mateo, California

Location ID	Date	Depth (feet bgs)	2-Butanone (MEK) (µg/m³)	Chloroform (µg/m³)	Hexane (µg/m³)	Napthalene (µg/m³)	2-Propanol (µg/m³)	1,1,1-Trichloroethane (µg/m³)	Remaining VOCs (µg/m³)	Helium Detected in Sample (%)	Field Helium Shroud (%)	Maximum Allowable Helium Detection in Sample (%)
B-7	10/8/2018	5	9.4	9.0	9.4	<2.6	<12	<2.7	<RL	1.0	31.6	1.6
B-8	10/8/2018	5	8.9	<2.4	3.7	<2.6	<12	<2.7	<RL	1.4	39.6	2.0
B-9	10/8/2018	5	7.8	<2.4	2.5	2.6	<12	<2.7	<RL	1.4	48.0	2.4
B-10	10/8/2018	5	18	<2.4	27	<2.6	12	4.9	<RL	0.91	49.5	2.5
B-11	10/8/2018	5	10	39	7.2	3.9	<12	<2.7	<RL	1.30	40.2	2.0
B-12	10/8/2018	5	<1.5	<2.4	<1.8	<2.6	<12	<2.7	<RL	0.29	40.3	2.0
B-14	10/8/2018	5	<3.7	<6.1	<4.4	<6.6	<31	<6.8	<RL	0.33	34.7	1.7
B-16	10/8/2018	5	<1.5	<2.4	<1.8	<2.6	<12	<2.7	<RL	0.40	39.8	2.0
Comparison Values:												
ESL-VI:			22,000,000	530	NE	41	NE	4,400,000	N/A	N/A	N/A	N/A
RSL - VI			2,600,000	61	NE	510	NE	520,000	N/A	N/A	N/A	N/A

Notes:

µg/m³	micrograms per cubic meter
<RL	less than the laboratory reporting limit
NA	not analyzed
bgs	below ground surface
N/A	not applicable
TPHg	Total Petroleum Hydrocarbons as gasoline
PCE	Tetrachloroethene
TCE	Trichloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
NE	Not Established
Bold	Result exceeds a Comparison Value

Comparison Values:

ESL - VI:	Table SG-1 - Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Commercial Land Use); from February 2016 ESL Workbook rev3, Prepared by the San Francisco Bay Regional Water Quality Control Board
RSL - VI:	Table SG-1 - Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Residential Land Use); from February 2016 ESL Workbook rev3, Prepared by the San Francisco Bay Regional Water Quality Control Board

APPENDIX A

COUNTY OF SAN MATEO SUBSURFACE DRILLING PERMIT

DRAFT



AEI Consultants

ORDINANCE: 04023

ENVIRONMENTAL HEALTH
S A N M A T E O C O U N T Y



Protecting Our Health and Environment

PERMIT 18-1336

P/E: 2010 MONITORING WELLS - INSTALLATION/DESTRUCTION

FACILITY:

480 4TH ST, SAN MATEO

OWNER:

MIDPEN HOUSING CORPORATION
303 VINTAGE PARK DR STE 250
FOSTER CITY

WP0012033 FA0064953

034183060

AMOUNT PAID: 747.00

CONTRACTOR:

ENV CONTROL ASSOC

TERMS & CONDITIONS:

CONSTRUCT SOIL BORINGS (8)
CONSULTANT: AEI CONSULTANTS
PROJECT MGR: MELANIE WONG

DATE ISSUED: 9/28/2018

KIAN ATKINSON

ENVIRONMENTAL HEALTH SPECIALIST

EXPIRATION DATE: 1/28/2019

THIS PERMIT IS NONTRANSFERABLE AND MUST BE POSTED ON-SITE IN A CONSPICUOUS PLACE



SEP 26 2018

**SAN MATEO COUNTY HEALTH
ENVIRONMENTAL
HEALTH SERVICES**

VIA MAIL
PAID
747.
CK# 120814

Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, CA 94403
Phone: (650) 372-8200 | Fax: (650) 627-8244
smchealth.org/gpp

SUBSURFACE DRILLING PERMIT APPLICATION

Allow three (3) full working days for processing a complete permit application which includes payment (one permit per parcel). Drilling start date & time must be scheduled with County staff at (650) 464-0047 or drilling@smcogov.org at least 2 full working days (i.e. 48 hours) in advance. Visit smchealth.org/ehfeas for Groundwater Protection Program Fees

PURPOSE OF APPLICATION ☐ Groundwater Monitoring/Vapor Well Installation ☒ Construct Soil Borings (variance request if to be left open >24 hrs)
☐ Groundwater Monitoring/Vapor Well Destruction Extension of Permit # _____
No. of Wells _____ No. of Borings 8 Well/Boring Names SB-1 through SB-8

PURPOSE OF DRILLING ☒ Environmental ☐ Geotechnical **LEAD AGENCY** ☐ County GPP (permit approval is not to be considered work plan approval)
☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ None (i.e. voluntary)

SITE / DRILLING INFORMATION

Agency Case # N/A Assessor's Parcel # (required) 034183060 (one per permit)

Drilling Location Address: 480 Fourth Street City: San Mateo Zip: 94401

To Be Constructed In: ☐ Public Property ☒ Private Property ☐ Refuse

Maximum Proposed Depth (wells/borings) 20 (feet) Drilling Method: direct push

Boring Diameter: 2.5-inches Casing Diameter: 1-inch Filter Pack Interval: N/A Screen Interval: N/A

Destruction Method: ☐ Pressure Grouting (provide well construction logs and grout calcs)
(8 gallons water max/94 lb cement, up to 5% bentonite) ☐ Overdrilling (guide rods for total depth prior to starting required)

WELL/BORING OWNER (Well/boring owner name or contact person should match signature)

Name: MidPen Housing Corporation Contact Person: Mollie Naber, Project Manager

Address: 303 Vintage Park Drive, Suite 250 City, State, Zip: Foster City, California 94404

Telephone: 650-356-2996 Email: mollie.naber@midpenhousing.org

It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application, to submit indication of annual usage of wells to the County, and to maintain the well in good condition. (Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)

Well/Boring Owner's/Contact Person's Signature: *Mollie Naber* Date: 9/18/18

PROPERTY OWNER (Name as appears on assessor's rolls should match signature)

Name: City of San Mateo Contact Person: Attn: City Clerk

Address: 330 W 20th Avenue City, State, Zip: San Mateo, California 94403-1338

Telephone: 650-522-7000 Email: K.Kleinbaum@cityofsanmateo.org

I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage or future access issues to the well (Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature)

Property Owner's Signature: *[Signature]* Date: 9/18/18

DRILLING COMPANY

Drilling Company: ECA ENV. CONTROL ASSOC. INC. Contact Person: Tim Tyler

Address: 3011 Twin Palms Drive City, State, Zip: Aptos, California 95003

Telephone: 831-682-8178 Email: ttyler@aboglobal.net C57 Drillers License # 695970

I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.

Driller's Signature: *[Signature]* Date: 9/21/18

CONSULTANT COMPANY

Consultant Company: AEI Consultants Project Manager: Melanie Wong

Address: 2500 Camino Diablo City, State, Zip: Walnut Creek, CA 94597

Telephone: 925-748-6000 Email: mwong@aeiconsultants.com

Field Contact & Cell # (if known): Adam Kershner 831-402-9784 415 240 6276

I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions E, F, K, and L of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. If there is a change in Responsible Professional, I will notify San Mateo County GPP staff.

Responsible Professional's Name (Please print legibly): Trent Weise

Responsible Professional's Signature: *[Signature]* Date: 9/14/18

California Professional Geologist (PG) No. _____ or Civil Engineer (PE) No. C64480

REV. 08/2018

FA64953

REQUIREMENTS:

An accurate and correct map **must** be submitted with the application and include the following: north arrow, existing and historic site features, existing and proposed well/boring locations with ID's to scale, property lines and any other pertinent information. A work plan describing the drilling and construction/destruction methodology may be requested by County staff. A complete application with appropriate fees **must** be submitted 3 working days in advance of drilling and notification of start date and time **must** be provided at least 2 working days prior to drilling. The permit is subject to both General and Special Conditions stated below. A copy of the approved Subsurface Drilling Permit **must** be available on site while work related to the permit is being performed. **Drilling may begin at the notified date and time whether County staff is present or not.**

GENERAL CONDITIONS:

- A. Field notification must be provided to GPP drilling inspection staff at least 2 full working days prior to the start of drilling. GPP Caseworker needs a separate notification if it is a contaminated site.
- B. Well and boring construction and destruction under this permit are subject to the Standards for the Construction of Wells in San Mateo County, County Groundwater Protection Program (GPP) Guidelines, Policies & Procedures, the State Water Well Standards, and any instructions by a Health Department representative.
- C. Well/Boring Owner, Driller, and Responsible Professional assume responsibility for all activities and uses under the permit, including compliance with Workmen's Compensation Laws, and indemnify, defend and save the County of San Mateo, its officers, agents and employees, free and harmless from any and all expense, cost, or liability in connection with or resulting from work or stopped-work associated with the permit, including, but not limited to, property damage, personal injury, wrongful death, and loss of income.
- D. All borings **must** be properly destroyed (grouted/sealed) within 24 hours of drilling, unless special conditions are approved beforehand in writing as part of this permit, and must be continuously protected and stabilized.
- E. Analytical results of all soil, vapor, and groundwater samples collected during the execution of drilling under this permit **must** be submitted to County GPP staff by the Responsible Professional within 60 days of sample collection. If contamination is discovered during drilling, verbal notification to County GPP by the Responsible Professional is **required** within 72 hours of discovery. Proper storage, labeling & disposal of investigation-derived residual wastes are the responsibility of the consultant unless stated otherwise contractually.
- F. A copy of the State DWR Form 188, boring logs, well construction details, and finalized as-built locations for all borings/wells (except geotechnical borings) signed by a Responsible Professional, **must** be submitted to County GPP by the Responsible Professional within 60 days of drilling/construction/destruction.
- G. Permit is valid only for the purpose specified herein. No change in purpose or required procedures, as described on this permit application, in the associated workplan, or in the special conditions below, will be allowed except upon written permission from the County. Construction aspects can be changed based on conditions encountered in the field.
- H. **Permit is valid for one mobilization** associated with originally permitted boring/well locations only, including contingency locations, and is automatically canceled if not exercised, or if an extension is not applied for and granted within 120 days of the original permit issuance date. Failure to notify staff of cancellation or delay in start time will result in the Consultant being billed an Inspection Cancellation fee of \$342 as of August 1, 2017 if GPP staff attempted to perform an inspection.
- I. Wells installed under this permit may not be used for domestic, municipal, agricultural, or irrigation water supply.
- J. All work performed **must** conform to Business and Profession Codes and State Water Well Standards.
- K. Top-of-casing elevation of all wells **must** be surveyed to the nearest 0.01-foot relative to Mean Sea Level or NAVD88 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate. Geotechnical wells are exempt from this requirement if a written variance from GPP is obtained prior to drilling.
- L. Latitude and longitude of all wells **must** be surveyed with sub-meter accuracy relative to NAD83 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate.
- M. Violation of any requirement or general or special permit condition may result in an order by GPP staff to cease work under this permit, correct the violation, potentially re-permit the work as a new mobilization, and potential actions may be taken against the Well Owner, Property Owner, or Responsible Professional by GPP.

SPECIAL CONDITIONS:

(agency use only)

For Agency Use Only:

County Approval: 

FA#

Date:

9/27/18



AEI

Consultants

September 25, 2018

Mr. Kian Atkinson
San Mateo County Environmental Health Services
Groundwater Protection Program
2000 Alameda de las Pulgas, Suite #100
San Mateo, California 94408

Subject: Subsurface Drilling Permit Application Package
480 Fourth Street
San Mateo, California 94401
AEI Project No. 391622

To Mr. Atkinson:

AEI is please to submit the attached the subsurface drilling permit application and permit fees for eight soil borings at the parcels located at 480 Fourth Street in San Mateo, California.

If you have any questions, please do not hesitate to contact Melanie Wong at 415-350-2064 or mwong@aeiconsultants.com.

Sincerely,

AEI Consultants

Melanie Wong

Project Engineer

Enclosed:

Check #120814
Subsurface Drilling Permit Application
Figure 1



LEGEND

- Approximate Property Boundary
- ◆ Proposed Shallow Soil Boring Location
- ◆ Proposed Soil Boring Location

Basemap Sources:
Treadwell & Rollo Figure 2 Sample Locations 08/14/01
Google Earth Pro

AEI Consultants

SITE MAP

400 East Fifth Avenue
480 East Fourth Avenue
San Mateo, California

FIGURE 1
Project No. 391622

APPENDIX B
BORING LOGS

DRAFT





AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-1

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	400 E Fifth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	NA	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:38 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\400 E 5TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					ASPHALT	
0.5					GRAVELLY SAND (SW), brown (10YR 4/3), loose, moist, fine grained sand, coarse grained gravel, no odor	
1	SB-1-1		0.2			
2	SB-1-2		0.1		At 3.5 to 4 feet bgs no gravel, trace silt	
3						
4	SB-1-4		0.2			

Bottom of borehole at 4.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-2

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	400 E Fifth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	NA	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:38 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMIDELIVERABLES\PHASE I\BORING LOGS\400 E 5TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					ASPHALT	
0.5					GRAVELLY SAND (SW), brown (10YR 4/3), loose, moist, fine grained sand, coarse grained gravel, no odor	
1	SB-2-1		0.3			
2	SB-2-2		0.3		At 3.5 to 4 feet bgs no gravel, trace silt	
3						
4	SB-3-4		0.1			
4.0					Bottom of borehole at 4.0 feet.	



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-3

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	400 E Fifth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	NA	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:38 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMIDELIVERABLES\PHASE I\BORING LOGS\400 E 5TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					ASPHALT	
0.5					GRAVELLY SAND (SW), brown (10YR 4/3), loose, moist, fine grained sand, coarse grained gravel, no odor	
1	SB-3-1		0.2			
2	SB-3-2		0.0		At 3.5 to 4 feet bgs no gravel	
3						
4	SB-3-4		0.1			

Bottom of borehole at 4.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-4

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	400 E Fifth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	NA	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:38 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\400 E 5TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					ASPHALT	
0.5					GRAVELLY SAND (SW), brown (10YR 4/3), loose, moist, fine grained sand, fine to coarse grained gravel, no odor	
1	SB-4-1		0.0			
2	SB-4-2		0.0		At 3.5 to 4 feet bgs no gravel	
3						
4	SB-4-4		0.1			

Bottom of borehole at 4.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-5

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	400 E Fifth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	NA	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:38 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\400 E 5TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					ASPHALT	
0.5					GRAVELLY SAND (SW), brown (10YR 4/3), loose, moist, fine grained sand, coarse grained gravel, no odor	
1	SB-5-1		0.0			
2	SB-5-2		0.0		At 3.5 to 4 feet bgs no gravel	
3						
4	SB-5-4		0.1			

Bottom of borehole at 4.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-6

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	400 E Fifth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	NA	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:38 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\400 E 5TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					ASPHALT	
0.5					GRAVELLY SAND (SW), brown (10YR 4/3), loose, moist, fine grained sand, coarse grained gravel, no odor	
1	SB-6-1		0.3			
2	SB-6-2		0.1		At 3.5 to 4 feet bgs no gravel At 4 feet bgs color change black (10YR 2/1)	
3						
4	SB-6-4		0.0			

Bottom of borehole at 4.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-7

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	400 E Fifth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	NA	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:38 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\400 E 5TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					ASPHALT	
0.5					GRAVELLY SAND (SW), brown (10YR 4/3), loose, moist, fine grained sand, coarse grained gravel, no odor	
1	SB-7-1		0.2			
2	SB-7-2		0.2		At 3.5 to 4 feet bgs no gravel	
3						
4	SB-7-4		0.0			

Bottom of borehole at 4.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-8

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	400 E Fifth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	NA	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:38 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMIDELIVERABLES\PHASE II BORING LOGS\400 E 5TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					ASPHALT	
0.5					GRAVELLY SAND (SW), brown (10YR 4/3), loose, moist, fine grained sand, coarse grained gravel, no odor	
1	SB-8-1		0.0			
2	SB-8-2		0.0		At 3.5 to 4 feet bgs no gravel	
3						
4	SB-8-4		0.2			

Bottom of borehole at 4.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-7

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	480 E Fourth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	A. Kittredge	CHECKED BY	M. Wong
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:41 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\480E 4TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	⊗ B-7-1		0.7		0.3 ASPHALT	
	⊗ B-7-2		0.3		SILT (ML), dark yellowish brown (10YR 3/6), hard, dry, low plasticity, no odor, no staining	
5	⊗ B-7-5		0.4		5.0	
	⊗ B-7-8		0.7		SAND (SP) with gravel, dark yellowish brown (10YR 4/4), dense, dry, very fine to fine grained sand, fine to medium grained gravel, no odor, no staining, subangular gravel	
10	⊗ B-7-12		0.5		13.0	
	⊗ B-7-16		0.3		CLAY (CL), dark yellowish brown (10YR 4/6), very hard, dry, no medium plasticity, no odor, no staining	
15					17.0	
	⊗ B-7-20		0.7		SAND (SP) with gravel, dark yellowish brown (10YR 4/4), dense, dry, very fine to medium grained sand, fine to medium grained gravel, no odor, no staining, subangular gravel	
20					20.0	
	⊗ B-7-24		0.3		CLAY (CL), dark yellowish brown (10YR 4/6), very hard, dry, no medium plasticity, no odor, no staining	
					24.0	

Bottom of borehole at 24.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-8

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	480 E Fourth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	A. Kittredge	CHECKED BY	M. Wong
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB.GDT - 10/23/18 14:41 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\480E 4TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	⊗ B-8-1		0.4	0.3	ASPHALT	
	⊗ B-8-2		0.3	1.0	FILL - SAND (SP), black (10YR 2/1), loose, dry SILT (ML), brown (10YR 4/3), very stiff, dry, low plasticity, no odor, no staining	
5	⊗ B-8-5		0.2	4.0	SAND (SP) with gravel, brown (10YR 4/3), medium dense, dry, fine grained sand, find to coarse grained gravel, no odor, no staining, subangular gravel	
	⊗ B-8-8		0.1			
10	⊗ B-8-12		0.1			
				13.0	CLAY (CL), brown (10YR 4/3), very hard, dry, medium plasticity, no odor, no staining	
15						
	⊗ B-8-18		0.2	18.0		

Refusal at 18.0 feet.
Bottom of borehole at 18.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-9

PAGE 1 OF 1

CLIENT MidPen Housing
PROJECT NUMBER 391622
DATE STARTED 10/8/18 COMPLETED 10/8/18
DRILLING CONTRACTOR Environmental Control Associates, Inc.
DRILLING METHOD Direct Push
LOGGED BY A. Kittredge CHECKED BY M. Wong
NOTES _____

PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT LOCATION 480 E Fourth Ave San Mateo, CA
GROUND ELEVATION _____ HOLE SIZE 2.25 inches
GROUND WATER LEVELS:
AT TIME OF DRILLING ---
AT END OF DRILLING --- No groundwater encountered
AFTER DRILLING ---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:41 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\480E 4TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	⊗ B-9-1		0.8		0.3 ASPHALT	
	⊗ B-9-2		0.7		SILT (ML), dark yellowish brown (10YR 4/6), stiff, dry, low plasticity, no odor, no staining	
5	⊗ B-9-5		0.4		4.0 SAND (SP) with gravel, dark yellowish brown (10YR 4/4), dense, dry, fine grained sand, fine to medium grained gravel, no odor, no staining, subangular gravel	
	⊗ B-9-8		0.1			
10	⊗ B-9-12		0.2		12.0 CLAY (CL), dark yellowish brown (10YR 4/4), very hard, dry, medium plasticity, no odor, no staining	
15	⊗ B-9-16		0.2			
20	⊗ B-9-20		0.2		20.0	

Bottom of borehole at 20.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-10

PAGE 1 OF 1

CLIENT MidPen Housing
PROJECT NUMBER 391622
DATE STARTED 10/8/18 COMPLETED 10/8/18
DRILLING CONTRACTOR Environmental Control Associates, Inc.
DRILLING METHOD Direct Push
LOGGED BY A. Kittredge CHECKED BY M. Wong
NOTES _____

PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT LOCATION 480 E Fourth Ave San Mateo, CA
GROUND ELEVATION _____ HOLE SIZE 2.25 inches
GROUND WATER LEVELS:
AT TIME OF DRILLING ---
AT END OF DRILLING --- No groundwater encountered
AFTER DRILLING ---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:41 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\480E 4TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	✕ B-10-1		0.2		0.3 ASPHALT	
	✕ B-10-2		0.3		SILT (ML), dark yellowish brown (10YR 4/6), stiff, dry, low plasticity, no odor, no staining	
5	✕ B-10-5		0.3			
	✕ B-10-8		0.0		6.5 SAND (SW) some gravel, dark yellowish brown (10YR 4/4), medium dense, dry, fine grained sand, fine to medium grained gravel, no odor, no staining, subangular gravel	
10	✕ B-10-12		0.1			
					13.0 CLAY (CL), dark yellow brown (10YR 4/4), very hard, dry, medium plasticity, no odor, no staining	
15	✕ B-10-16		0.2			
20	✕ B-10-20		0.2		20.0	

Bottom of borehole at 20.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-11

PAGE 1 OF 1

CLIENT MidPen Housing
PROJECT NUMBER 391622
DATE STARTED 10/8/18 COMPLETED 10/9/18
DRILLING CONTRACTOR Environmental Control Associates, Inc.
DRILLING METHOD Direct Push
LOGGED BY A. Kittredge CHECKED BY M. Wong
NOTES _____

PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT LOCATION 480 E Fourth Ave San Mateo, CA
GROUND ELEVATION _____ HOLE SIZE 2.25 inches
GROUND WATER LEVELS:
AT TIME OF DRILLING ---
AT END OF DRILLING --- No groundwater encountered
AFTER DRILLING ---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:41 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\480E 4TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	✕ B-11-1		0.8		0.3 ASPHALT	
	✕ B-11-2		0.7		SILT (ML), dark yellowish brown (10YR 3/4), stiff, dry, low plasticity, no odor, no staining	
			0.4			
5	✕ B-11-5		0.2		4.0 SAND (SP), some gravel, dark yellowish brown (10YR 4/6), dense, dry, fine grained sand, fine to coarse grained gravel, no odor, no staining, subangular gravel	
			0.4			
	✕ B-11-8					
10			0.2			
	✕ B-11-12					
			13.0			
					CLAY (CL), yellowish brown (10YR 5/6), hard, dry, medium plasticity, no odor, no staining	
15			0.5			
	✕ B-11-16					
20	✕ B-11-20		0.6		20.0	

Bottom of borehole at 20.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-12

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	480 E Fourth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/9/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	A. Kittredge	CHECKED BY	M. Wong
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:41 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\480E 4TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	⊗ B-12-1		0.7		0.3 ASPHALT	
	⊗ B-12-2		0.6		SILT (ML), dark brown (7.5YR 3/4), stiff, dry, low plasticity, no odor, no staining	
5	⊗ B-12-5		0.7		4.5 SAND (SP) with gravel, dark yellowish brown (10YR 4/4), dense, dry, fine to coarse grained sand, fine to coarse grained gravel, no odor, no staining, subangular gravel	
	⊗ B-12-8		0.2			
10	⊗ B-12-12		0.2			
					13.0 CLAY (CL), yellowish brown (10YR 5/6), hard, dry, medium plasticity, no odor, no staining	
15	⊗ B-12-16		0.2			
20	⊗ B-12-20		0.2		20.0	

Bottom of borehole at 20.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-13

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	480 E Fourth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	A. Kittredge	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	☒ SB-13-1		0.0		0.3 ASPHALT	
	☒ SB-13-2		0.1		SILT (ML), dark yellowish brown, stiff, dry, low plasticity, no odor, no staining	
5	☒ SB-13-5		0.1		5.0	

Bottom of borehole at 5.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-14

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	480 E Fourth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	A. Kittredge	CHECKED BY	M. Wong
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:41 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\480E 4TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	⊗ B-14-1		0.3		0.3 ASPHALT	
			1.0		1.0 FILL - SAND (SP), black (10YR 2/1), loose, dry	
	⊗ B-14-2		0.3		SILT (ML), dark yellowish brown (10YR 3/6), stiff, dry, low plasticity, no odor, no staining	
5	⊗ B-14-5		0.4			
			5.5		5.5 SAND (SP) with gravel, dark yellowish brown (10YR 4/4), medium dense, dry, fine grained sand, fine to medium grained gravel, no odor, no staining, subangular gravel	
	⊗ B-14-8		0.2			
10			0.2			
	⊗ B-14-12		0.2			
15			14.0		14.0 CLAY (CL), dark yellowish brown (10YR 4/6), very hard, dry, medium plasticity, no odor, no staining	
	⊗ B-14-16		0.2			
20	⊗ B-14-20		0.2		20.0	

Bottom of borehole at 20.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-15

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	480 E Fourth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/8/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	A. Kittredge	CHECKED BY	M. Wong
NOTES			
		GROUND WATER LEVELS:	
		AT TIME OF DRILLING	---
		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	SB-15-1		0.3		ASPHALT	
	SB-15-2		0.4		FILL - SAND (SP), black (10YR 2/1), loose, dry SILT (ML), dark yellowish brown (10YR 3/6), stiff, dry, low plasticity, no odor, no staining	
5	SB-15-5		0.2			

Bottom of borehole at 5.0 feet.



AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER B-16

PAGE 1 OF 1

CLIENT	MidPen Housing	PROJECT NAME	Limited Phase II Subsurface Investigation
PROJECT NUMBER	391622	PROJECT LOCATION	480 E Fourth Ave San Mateo, CA
DATE STARTED	10/8/18	COMPLETED	10/9/18
DRILLING CONTRACTOR	Environmental Control Associates, Inc.	GROUND ELEVATION	
DRILLING METHOD	Direct Push	HOLE SIZE	2.25 inches
LOGGED BY	A. Kittredge	GROUND WATER LEVELS:	
CHECKED BY	M. Wong	AT TIME OF DRILLING	---
NOTES		AT END OF DRILLING	--- No groundwater encountered
		AFTER DRILLING	---

AEI BORING - GINT STD US LAB GDT - 10/23/18 14:41 - P:\COMPANYWIDE PROJECTS\391622 SAN MATEO, CA\SMDELIVERABLES\PHASE I\BORING LOGS\480E 4TH AVE.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	✕ B-16-1		0.0		0.3 ASPHALT	
	✕ B-16-2		0.3		SILT (ML), strong brown (7.5YR 5/6), stiff, dry, low to medium plasticity, no odor, no staining	
			0.8			
5	✕ B-16-5		0.3		4.0 SAND (SP) with gravel, dark yellowish brown (10YR 4/4), medium dense, dry, fine grained sand, fine to medium grained gravel, no odor, no staining, subangular gravel	
			0.8			
10	✕ B-16-12		1.0			
			0.7			
15	✕ B-16-16		0.7			
			17.0			
			20.0		CLAY (CL), yellowish brown (10YR 5/6), very hard, dry, medium plasticity, no odor, no staining	
20	✕ B-16-20		0.9			
			20.0			

Bottom of borehole at 20.0 feet.

APPENDIX C

LABORATORY ANALYTICAL REPORTS

DRAFT





AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597
Tel: 925-746-6048
RE: 480 East 4th Ave & 400 East 5th Ave

Work Order No.: 1810064

Dear Melanie Wong:

Torrent Laboratory, Inc. received 8 sample(s) on October 09, 2018 for the analyses presented in the following Report.

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

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

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

Patti L Sandrock
QA Officer

October 16, 2018

Date



Date: 10/16/2018

Client: AEI Consultants

Project: 480 East 4th Ave & 400 East 5th Ave

Work Order: 1810064

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 Analytical, Inc.

DRAFT



Sample Result Summary

Report prepared for: Melanie Wong
AEI Consultants

Date Received: 10/09/18

Date Reported: 10/16/18

B-7-SG 1403

1810064-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Helium	D1946	8.2	0.018	0.082	1.0%
Acetone	ETO15	1	0.40	12	31
Hexane	ETO15	1	0.46	1.8	9.4
tert-Butanol	ETO15	1	0.62	1.5	2.7
Chloroform	ETO15	1	0.97	2.4	9.0
2-Butanone (MEK)	ETO15	1	0.39	1.5	9.4
Benzene	ETO15	1	0.44	1.6	3.7
Toluene	ETO15	1	0.75	1.9	4.6
Tetrachloroethylene	ETO15	1	1.5	3.4	4.9

B-8-SG 1538

1810064-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Helium	D1946	13.6	0.030	0.14	1.4%
Acetone	ETO15	1	0.40	12	32
Hexane	ETO15	1	0.46	1.8	3.7
tert-Butanol	ETO15	1	0.62	1.5	3.6
2-Butanone (MEK)	ETO15	1	0.39	1.5	8.9
Benzene	ETO15	1	0.44	1.6	4.3
Toluene	ETO15	1	0.75	1.9	4.1
Tetrachloroethylene	ETO15	1	1.5	3.4	110

B-9-SG 1302

1810064-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Helium	D1946	12	0.027	0.12	1.4%
Acetone	ETO15	1	0.40	12	31
Hexane	ETO15	1	0.46	1.8	2.5
tert-Butanol	ETO15	1	0.62	1.5	2.7
2-Butanone (MEK)	ETO15	1	0.39	1.5	7.8
Benzene	ETO15	1	0.44	1.6	5.2
Toluene	ETO15	1	0.75	1.9	5.0
Tetrachloroethylene	ETO15	1	1.5	3.4	100
Naphthalene	ETO15	1	1.3	2.6	2.6



Sample Result Summary

Report prepared for: Melanie Wong
AEI Consultants

Date Received: 10/09/18

Date Reported: 10/16/18

B-10-SG 1654

1810064-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Helium	D1946	10.3	0.023	0.10	0.91%
2-Propanol (Isopropyl Alcohol)	ETO15	1	1.3	12	12
Acetone	ETO15	1	0.40	12	64
Hexane	ETO15	1	0.46	1.8	27
tert-Butanol	ETO15	1	0.62	1.5	2.6
1,1,1-Trichloroethane	ETO15	1	0.79	2.7	4.9
2-Butanone (MEK)	ETO15	1	0.39	1.5	18
Benzene	ETO15	1	0.44	1.6	3.8
Tetrachloroethylene	ETO15	1	1.5	3.4	3.5
Ethyl Benzene	ETO15	1	0.63	2.2	3.6
m,p-Xylene	ETO15	1	0.98	2.2	8.7
o-Xylene	ETO15	1	0.30	2.2	3.9
Toluene	ETO15	10	7.5	19	490

B-11-SG 1446

1810064-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Helium	D1946	12.5	0.028	0.13	1.3%
Acetone	ETO15	1	0.40	12	32
Hexane	ETO15	1	0.46	1.8	7.2
tert-Butanol	ETO15	1	0.62	1.5	3.1
Chloroform	ETO15	1	0.97	2.4	39
2-Butanone (MEK)	ETO15	1	0.39	1.5	10.
Benzene	ETO15	1	0.44	1.6	4.9
Toluene	ETO15	1	0.75	1.9	6.3
Naphthalene	ETO15	1	1.3	2.6	3.9

B-12-SG 1514

1810064-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Helium	D1946	2.7	0.0060	0.027	0.29%

B-14-SG 1630

1810064-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Helium	D1946	2.5	0.0056	0.025	0.33%
Toluene	ETO15	2.5	1.9	4.7	100



Sample Result Summary

Report prepared for: Melanie Wong
AEI Consultants

Date Received: 10/09/18

Date Reported: 10/16/18

B-16-SG 1608

1810064-008

Parameters:

	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results ug/m3</u>
Helium	D1946	3.7	0.0083	0.037	0.40%
Benzene	ETO15	1	0.44	1.6	2.7
Toluene	ETO15	1	0.75	1.9	6.1
m,p-Xylene	ETO15	1	0.98	2.2	3.1

DRAFT



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-7-SG 1403	Lab Sample ID:	1810064-001A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A11715	Received PSI :	10.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 10/12/18 12:01:00PM
Prep Batch ID: 1108585	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	8.20	0.018	0.082	1.0			10/12/18	15:35	BA	435039

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	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		10/10/18	23:15	BA	434998
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		10/10/18	23:15	BA	434998
1,2-Dichlorotetrafluoroethane	ETO15	1.00	28	56	ND	ND		10/10/18	23:15	BA	434998
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		10/10/18	23:15	BA	434998
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		10/10/18	23:15	BA	434998
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		10/10/18	23:15	BA	434998
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		10/10/18	23:15	BA	434998
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		10/10/18	23:15	BA	434998
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		10/10/18	23:15	BA	434998
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/10/18	23:15	BA	434998
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		10/10/18	23:15	BA	434998
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		10/10/18	23:15	BA	434998
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		10/10/18	23:15	BA	434998
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		10/10/18	23:15	BA	434998
Acetone	ETO15	1.00	0.40	12	31	13.03		10/10/18	23:15	BA	434998
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		10/10/18	23:15	BA	434998
Hexane	ETO15	1.00	0.46	1.8	9.4	2.67		10/10/18	23:15	BA	434998
MTBE	ETO15	1.00	0.44	1.8	ND	ND		10/10/18	23:15	BA	434998
tert-Butanol	ETO15	1.00	0.62	1.5	2.7	0.89		10/10/18	23:15	BA	434998
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		10/10/18	23:15	BA	434998
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		10/10/18	23:15	BA	434998
ETBE	ETO15	1.00	0.33	2.1	ND	ND		10/10/18	23:15	BA	434998
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/10/18	23:15	BA	434998
Chloroform	ETO15	1.00	0.97	2.4	9.0	1.84		10/10/18	23:15	BA	434998
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		10/10/18	23:15	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-7-SG 1403	Lab Sample ID:	1810064-001A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A11715	Received PSI :	10.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		10/10/18	23:15	BA	434998
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		10/10/18	23:15	BA	434998
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	9.4	3.19		10/10/18	23:15	BA	434998
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		10/10/18	23:15	BA	434998
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		10/10/18	23:15	BA	434998
Benzene	ETO15	1.00	0.44	1.6	3.7	1.16		10/10/18	23:15	BA	434998
TAME	ETO15	1.00	0.67	2.1	ND	ND		10/10/18	23:15	BA	434998
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		10/10/18	23:15	BA	434998
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		10/10/18	23:15	BA	434998
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		10/10/18	23:15	BA	434998
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		10/10/18	23:15	BA	434998
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		10/10/18	23:15	BA	434998
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		10/10/18	23:15	BA	434998
Toluene	ETO15	1.00	0.75	1.9	4.6	1.22		10/10/18	23:15	BA	434998
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		10/10/18	23:15	BA	434998
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		10/10/18	23:15	BA	434998
Tetrachloroethylene	ETO15	1.00	1.5	3.4	4.9	0.72		10/10/18	23:15	BA	434998
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		10/10/18	23:15	BA	434998
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		10/10/18	23:15	BA	434998
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		10/10/18	23:15	BA	434998
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		10/10/18	23:15	BA	434998
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		10/10/18	23:15	BA	434998
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		10/10/18	23:15	BA	434998
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		10/10/18	23:15	BA	434998
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		10/10/18	23:15	BA	434998
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		10/10/18	23:15	BA	434998
Styrene	ETO15	1.00	0.46	2.1	ND	ND		10/10/18	23:15	BA	434998
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		10/10/18	23:15	BA	434998
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		10/10/18	23:15	BA	434998
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		10/10/18	23:15	BA	434998
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		10/10/18	23:15	BA	434998
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		10/10/18	23:15	BA	434998
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		10/10/18	23:15	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-7-SG 1403	Lab Sample ID:	1810064-001A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A11715	Received PSI :	10.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P
Prep Batch ID: 1108547

Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		10/10/18	23:15	BA	434998
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		10/10/18	23:15	BA	434998
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		10/10/18	23:15	BA	434998
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		10/10/18	23:15	BA	434998
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		10/10/18	23:15	BA	434998
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	110 %			10/10/18	23:15	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-8-SG 1538	Lab Sample ID:	1810064-002A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A11729	Received PSI :	11.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 10/12/18 12:01:00PM
Prep Batch ID: 1108585	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	13.60	0.030	0.14	1.4			10/12/18	15:41	BA	435039

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	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		10/10/18	23:51	BA	434998
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		10/10/18	23:51	BA	434998
1,2-Dichlorotetrafluoroethane	ETO15	1.00	28	56	ND	ND		10/10/18	23:51	BA	434998
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		10/10/18	23:51	BA	434998
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		10/10/18	23:51	BA	434998
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		10/10/18	23:51	BA	434998
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		10/10/18	23:51	BA	434998
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		10/10/18	23:51	BA	434998
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		10/10/18	23:51	BA	434998
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/10/18	23:51	BA	434998
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		10/10/18	23:51	BA	434998
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		10/10/18	23:51	BA	434998
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		10/10/18	23:51	BA	434998
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		10/10/18	23:51	BA	434998
Acetone	ETO15	1.00	0.40	12	32	13.45		10/10/18	23:51	BA	434998
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		10/10/18	23:51	BA	434998
Hexane	ETO15	1.00	0.46	1.8	3.7	1.05		10/10/18	23:51	BA	434998
MTBE	ETO15	1.00	0.44	1.8	ND	ND		10/10/18	23:51	BA	434998
tert-Butanol	ETO15	1.00	0.62	1.5	3.6	1.19		10/10/18	23:51	BA	434998
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		10/10/18	23:51	BA	434998
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		10/10/18	23:51	BA	434998
ETBE	ETO15	1.00	0.33	2.1	ND	ND		10/10/18	23:51	BA	434998
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/10/18	23:51	BA	434998
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		10/10/18	23:51	BA	434998
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		10/10/18	23:51	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-8-SG 1538	Lab Sample ID:	1810064-002A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A11729	Received PSI :	11.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		10/10/18	23:51	BA	434998
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		10/10/18	23:51	BA	434998
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	8.9	3.02		10/10/18	23:51	BA	434998
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		10/10/18	23:51	BA	434998
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		10/10/18	23:51	BA	434998
Benzene	ETO15	1.00	0.44	1.6	4.3	1.35		10/10/18	23:51	BA	434998
TAME	ETO15	1.00	0.67	2.1	ND	ND		10/10/18	23:51	BA	434998
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		10/10/18	23:51	BA	434998
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		10/10/18	23:51	BA	434998
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		10/10/18	23:51	BA	434998
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		10/10/18	23:51	BA	434998
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		10/10/18	23:51	BA	434998
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		10/10/18	23:51	BA	434998
Toluene	ETO15	1.00	0.75	1.9	4.1	1.09		10/10/18	23:51	BA	434998
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		10/10/18	23:51	BA	434998
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		10/10/18	23:51	BA	434998
Tetrachloroethylene	ETO15	1.00	1.5	3.4	110	16.22		10/10/18	23:51	BA	434998
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		10/10/18	23:51	BA	434998
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		10/10/18	23:51	BA	434998
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		10/10/18	23:51	BA	434998
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		10/10/18	23:51	BA	434998
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		10/10/18	23:51	BA	434998
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		10/10/18	23:51	BA	434998
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		10/10/18	23:51	BA	434998
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		10/10/18	23:51	BA	434998
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		10/10/18	23:51	BA	434998
Styrene	ETO15	1.00	0.46	2.1	ND	ND		10/10/18	23:51	BA	434998
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		10/10/18	23:51	BA	434998
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		10/10/18	23:51	BA	434998
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		10/10/18	23:51	BA	434998
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		10/10/18	23:51	BA	434998
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		10/10/18	23:51	BA	434998
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		10/10/18	23:51	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-8-SG 1538	Lab Sample ID:	1810064-002A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A11729	Received PSI :	11.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P
Prep Batch ID: 1108547

Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		10/10/18	23:51	BA	434998
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		10/10/18	23:51	BA	434998
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		10/10/18	23:51	BA	434998
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		10/10/18	23:51	BA	434998
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		10/10/18	23:51	BA	434998
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	120 %			10/10/18	23:51	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-9-SG 1302	Lab Sample ID:	1810064-003A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	5431	Received PSI :	11.2
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 10/12/18 12:01:00PM
Prep Batch ID: 1108585	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	12.00	0.027	0.12	1.4			10/12/18	15:51	BA	435039

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	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		10/11/18	0:27	BA	434998
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		10/11/18	0:27	BA	434998
1,2-Dichlorotetrafluoroethane	ETO15	1.00	28	56	ND	ND		10/11/18	0:27	BA	434998
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		10/11/18	0:27	BA	434998
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		10/11/18	0:27	BA	434998
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		10/11/18	0:27	BA	434998
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		10/11/18	0:27	BA	434998
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		10/11/18	0:27	BA	434998
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		10/11/18	0:27	BA	434998
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/11/18	0:27	BA	434998
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		10/11/18	0:27	BA	434998
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		10/11/18	0:27	BA	434998
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		10/11/18	0:27	BA	434998
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		10/11/18	0:27	BA	434998
Acetone	ETO15	1.00	0.40	12	31	13.03		10/11/18	0:27	BA	434998
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		10/11/18	0:27	BA	434998
Hexane	ETO15	1.00	0.46	1.8	2.5	0.71		10/11/18	0:27	BA	434998
MTBE	ETO15	1.00	0.44	1.8	ND	ND		10/11/18	0:27	BA	434998
tert-Butanol	ETO15	1.00	0.62	1.5	2.7	0.89		10/11/18	0:27	BA	434998
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		10/11/18	0:27	BA	434998
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		10/11/18	0:27	BA	434998
ETBE	ETO15	1.00	0.33	2.1	ND	ND		10/11/18	0:27	BA	434998
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/11/18	0:27	BA	434998
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		10/11/18	0:27	BA	434998
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		10/11/18	0:27	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-9-SG 1302	Lab Sample ID:	1810064-003A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	5431	Received PSI :	11.2
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		10/11/18	0:27	BA	434998
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		10/11/18	0:27	BA	434998
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	7.8	2.64		10/11/18	0:27	BA	434998
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		10/11/18	0:27	BA	434998
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		10/11/18	0:27	BA	434998
Benzene	ETO15	1.00	0.44	1.6	5.2	1.63		10/11/18	0:27	BA	434998
TAME	ETO15	1.00	0.67	2.1	ND	ND		10/11/18	0:27	BA	434998
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		10/11/18	0:27	BA	434998
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		10/11/18	0:27	BA	434998
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		10/11/18	0:27	BA	434998
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		10/11/18	0:27	BA	434998
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		10/11/18	0:27	BA	434998
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		10/11/18	0:27	BA	434998
Toluene	ETO15	1.00	0.75	1.9	5.0	1.33		10/11/18	0:27	BA	434998
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		10/11/18	0:27	BA	434998
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		10/11/18	0:27	BA	434998
Tetrachloroethylene	ETO15	1.00	1.5	3.4	100	14.75		10/11/18	0:27	BA	434998
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		10/11/18	0:27	BA	434998
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		10/11/18	0:27	BA	434998
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		10/11/18	0:27	BA	434998
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		10/11/18	0:27	BA	434998
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		10/11/18	0:27	BA	434998
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		10/11/18	0:27	BA	434998
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		10/11/18	0:27	BA	434998
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		10/11/18	0:27	BA	434998
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		10/11/18	0:27	BA	434998
Styrene	ETO15	1.00	0.46	2.1	ND	ND		10/11/18	0:27	BA	434998
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		10/11/18	0:27	BA	434998
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		10/11/18	0:27	BA	434998
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		10/11/18	0:27	BA	434998
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		10/11/18	0:27	BA	434998
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		10/11/18	0:27	BA	434998
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		10/11/18	0:27	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-9-SG 1302	Lab Sample ID:	1810064-003A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	5431	Received PSI :	11.2
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P
Prep Batch ID: 1108547

Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		10/11/18	0:27	BA	434998
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		10/11/18	0:27	BA	434998
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		10/11/18	0:27	BA	434998
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		10/11/18	0:27	BA	434998
Naphthalene	ETO15	1.00	1.3	2.6	2.6	0.50		10/11/18	0:27	BA	434998
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	120 %			10/11/18	0:27	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-10-SG 1654	Lab Sample ID:	1810064-004A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6107	Received PSI :	10.9
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 10/12/18 12:01:00PM
Prep Batch ID: 1108585	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	10.30	0.023	0.10	0.91			10/12/18	15:56	BA	435039

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	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		10/11/18	1:04	BA	434998
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		10/11/18	1:04	BA	434998
1,2-Dichlorotetrafluoroethane	ETO15	1.00	28	56	ND	ND		10/11/18	1:04	BA	434998
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		10/11/18	1:04	BA	434998
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		10/11/18	1:04	BA	434998
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		10/11/18	1:04	BA	434998
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		10/11/18	1:04	BA	434998
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		10/11/18	1:04	BA	434998
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		10/11/18	1:04	BA	434998
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/11/18	1:04	BA	434998
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		10/11/18	1:04	BA	434998
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		10/11/18	1:04	BA	434998
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	12	4.88		10/11/18	1:04	BA	434998
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		10/11/18	1:04	BA	434998
Acetone	ETO15	1.00	0.40	12	64	26.89		10/11/18	1:04	BA	434998
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		10/11/18	1:04	BA	434998
Hexane	ETO15	1.00	0.46	1.8	27	7.67		10/11/18	1:04	BA	434998
MTBE	ETO15	1.00	0.44	1.8	ND	ND		10/11/18	1:04	BA	434998
tert-Butanol	ETO15	1.00	0.62	1.5	2.6	0.86		10/11/18	1:04	BA	434998
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		10/11/18	1:04	BA	434998
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		10/11/18	1:04	BA	434998
ETBE	ETO15	1.00	0.33	2.1	ND	ND		10/11/18	1:04	BA	434998
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/11/18	1:04	BA	434998
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		10/11/18	1:04	BA	434998
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		10/11/18	1:04	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-10-SG 1654	Lab Sample ID:	1810064-004A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6107	Received PSI :	10.9
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		10/11/18	1:04	BA	434998
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	4.9	0.90		10/11/18	1:04	BA	434998
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	18	6.10		10/11/18	1:04	BA	434998
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		10/11/18	1:04	BA	434998
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		10/11/18	1:04	BA	434998
Benzene	ETO15	1.00	0.44	1.6	3.8	1.19		10/11/18	1:04	BA	434998
TAME	ETO15	1.00	0.67	2.1	ND	ND		10/11/18	1:04	BA	434998
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		10/11/18	1:04	BA	434998
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		10/11/18	1:04	BA	434998
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		10/11/18	1:04	BA	434998
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		10/11/18	1:04	BA	434998
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		10/11/18	1:04	BA	434998
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		10/11/18	1:04	BA	434998
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		10/11/18	1:04	BA	434998
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		10/11/18	1:04	BA	434998
Tetrachloroethylene	ETO15	1.00	1.5	3.4	3.5	0.52		10/11/18	1:04	BA	434998
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		10/11/18	1:04	BA	434998
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		10/11/18	1:04	BA	434998
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		10/11/18	1:04	BA	434998
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		10/11/18	1:04	BA	434998
Ethyl Benzene	ETO15	1.00	0.63	2.2	3.6	0.83		10/11/18	1:04	BA	434998
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		10/11/18	1:04	BA	434998
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		10/11/18	1:04	BA	434998
m,p-Xylene	ETO15	1.00	0.98	2.2	8.7	2.00		10/11/18	1:04	BA	434998
o-Xylene	ETO15	1.00	0.30	2.2	3.9	0.90		10/11/18	1:04	BA	434998
Styrene	ETO15	1.00	0.46	2.1	ND	ND		10/11/18	1:04	BA	434998
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		10/11/18	1:04	BA	434998
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		10/11/18	1:04	BA	434998
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		10/11/18	1:04	BA	434998
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		10/11/18	1:04	BA	434998
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		10/11/18	1:04	BA	434998
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		10/11/18	1:04	BA	434998
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		10/11/18	1:04	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-10-SG 1654	Lab Sample ID:	1810064-004A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6107	Received PSI :	10.9
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		10/11/18	1:04	BA	434998
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		10/11/18	1:04	BA	434998
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		10/11/18	1:04	BA	434998
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		10/11/18	1:04	BA	434998
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	120 %			10/11/18	1:04	BA	434998

Prep Method: TO15-P	Prep Batch Date/Time: 10/9/18 7:15:00PM
Prep Batch ID: 1108545	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Toluene	ETO15	10.00	7.5	19	490	129.97		10/10/18	19:04	BA	434995
(S) 4-Bromofluorobenzene	ETO15	10.00	50	150	91 %			10/10/18	19:04	BA	434995



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-11-SG 1446	Lab Sample ID:	1810064-005A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6109	Received PSI :	10.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 10/12/18 12:01:00PM
Prep Batch ID: 1108585	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	12.50	0.028	0.13	1.3			10/12/18	16:17	BA	435039

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	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		10/11/18	1:40	BA	434998
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		10/11/18	1:40	BA	434998
1,2-Dichlorotetrafluoroethane	ETO15	1.00	28	56	ND	ND		10/11/18	1:40	BA	434998
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		10/11/18	1:40	BA	434998
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		10/11/18	1:40	BA	434998
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		10/11/18	1:40	BA	434998
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		10/11/18	1:40	BA	434998
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		10/11/18	1:40	BA	434998
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		10/11/18	1:40	BA	434998
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/11/18	1:40	BA	434998
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		10/11/18	1:40	BA	434998
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		10/11/18	1:40	BA	434998
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		10/11/18	1:40	BA	434998
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		10/11/18	1:40	BA	434998
Acetone	ETO15	1.00	0.40	12	32	13.45		10/11/18	1:40	BA	434998
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		10/11/18	1:40	BA	434998
Hexane	ETO15	1.00	0.46	1.8	7.2	2.05		10/11/18	1:40	BA	434998
MTBE	ETO15	1.00	0.44	1.8	ND	ND		10/11/18	1:40	BA	434998
tert-Butanol	ETO15	1.00	0.62	1.5	3.1	1.02		10/11/18	1:40	BA	434998
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		10/11/18	1:40	BA	434998
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		10/11/18	1:40	BA	434998
ETBE	ETO15	1.00	0.33	2.1	ND	ND		10/11/18	1:40	BA	434998
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/11/18	1:40	BA	434998
Chloroform	ETO15	1.00	0.97	2.4	39	7.99		10/11/18	1:40	BA	434998
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		10/11/18	1:40	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-11-SG 1446	Lab Sample ID:	1810064-005A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6109	Received PSI :	10.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Batch ID: 1108547	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		10/11/18	1:40	BA	434998
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		10/11/18	1:40	BA	434998
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	10.	3.39		10/11/18	1:40	BA	434998
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		10/11/18	1:40	BA	434998
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		10/11/18	1:40	BA	434998
Benzene	ETO15	1.00	0.44	1.6	4.9	1.54		10/11/18	1:40	BA	434998
TAME	ETO15	1.00	0.67	2.1	ND	ND		10/11/18	1:40	BA	434998
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		10/11/18	1:40	BA	434998
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		10/11/18	1:40	BA	434998
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		10/11/18	1:40	BA	434998
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		10/11/18	1:40	BA	434998
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		10/11/18	1:40	BA	434998
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		10/11/18	1:40	BA	434998
Toluene	ETO15	1.00	0.75	1.9	6.3	1.67		10/11/18	1:40	BA	434998
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		10/11/18	1:40	BA	434998
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		10/11/18	1:40	BA	434998
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		10/11/18	1:40	BA	434998
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		10/11/18	1:40	BA	434998
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		10/11/18	1:40	BA	434998
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		10/11/18	1:40	BA	434998
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		10/11/18	1:40	BA	434998
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		10/11/18	1:40	BA	434998
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		10/11/18	1:40	BA	434998
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		10/11/18	1:40	BA	434998
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		10/11/18	1:40	BA	434998
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		10/11/18	1:40	BA	434998
Styrene	ETO15	1.00	0.46	2.1	ND	ND		10/11/18	1:40	BA	434998
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		10/11/18	1:40	BA	434998
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		10/11/18	1:40	BA	434998
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		10/11/18	1:40	BA	434998
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		10/11/18	1:40	BA	434998
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		10/11/18	1:40	BA	434998
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		10/11/18	1:40	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-11-SG 1446	Lab Sample ID:	1810064-005A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6109	Received PSI :	10.6
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P
Prep Batch ID: 1108547

Prep Batch Date/Time: 10/10/18 7:00:00PM
Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		10/11/18	1:40	BA	434998
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		10/11/18	1:40	BA	434998
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		10/11/18	1:40	BA	434998
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		10/11/18	1:40	BA	434998
Naphthalene	ETO15	1.00	1.3	2.6	3.9	0.74		10/11/18	1:40	BA	434998
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	120 %			10/11/18	1:40	BA	434998



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-12-SG 1514	Lab Sample ID:	1810064-006A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6105	Received PSI :	11.1
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 10/12/18 12:01:00PM
Prep Batch ID: 1108585	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	2.70	0.0060	0.027	0.29			10/12/18	16:47	BA	435039

Prep Method: TO15-P	Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Batch ID: 1108597	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		10/12/18	9:09	BA	435043
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		10/12/18	9:09	BA	435043
1,2-Dichlorotetrafluoroethane	ETO15	1.00	28	56	ND	ND		10/12/18	9:09	BA	435043
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		10/12/18	9:09	BA	435043
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		10/12/18	9:09	BA	435043
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		10/12/18	9:09	BA	435043
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		10/12/18	9:09	BA	435043
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		10/12/18	9:09	BA	435043
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		10/12/18	9:09	BA	435043
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/12/18	9:09	BA	435043
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		10/12/18	9:09	BA	435043
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		10/12/18	9:09	BA	435043
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		10/12/18	9:09	BA	435043
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		10/12/18	9:09	BA	435043
Acetone	ETO15	1.00	0.40	12	ND	ND		10/12/18	9:09	BA	435043
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		10/12/18	9:09	BA	435043
Hexane	ETO15	1.00	0.46	1.8	ND	ND		10/12/18	9:09	BA	435043
MTBE	ETO15	1.00	0.44	1.8	ND	ND		10/12/18	9:09	BA	435043
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		10/12/18	9:09	BA	435043
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		10/12/18	9:09	BA	435043
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		10/12/18	9:09	BA	435043
ETBE	ETO15	1.00	0.33	2.1	ND	ND		10/12/18	9:09	BA	435043
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/12/18	9:09	BA	435043
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		10/12/18	9:09	BA	435043
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		10/12/18	9:09	BA	435043



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-12-SG 1514	Lab Sample ID:	1810064-006A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6105	Received PSI :	11.1
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Batch ID: 1108597	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		10/12/18	9:09	BA	435043
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		10/12/18	9:09	BA	435043
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	ND	ND		10/12/18	9:09	BA	435043
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		10/12/18	9:09	BA	435043
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		10/12/18	9:09	BA	435043
Benzene	ETO15	1.00	0.44	1.6	ND	ND		10/12/18	9:09	BA	435043
TAME	ETO15	1.00	0.67	2.1	ND	ND		10/12/18	9:09	BA	435043
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		10/12/18	9:09	BA	435043
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		10/12/18	9:09	BA	435043
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		10/12/18	9:09	BA	435043
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		10/12/18	9:09	BA	435043
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		10/12/18	9:09	BA	435043
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		10/12/18	9:09	BA	435043
Toluene	ETO15	1.00	0.75	1.9	ND	ND		10/12/18	9:09	BA	435043
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		10/12/18	9:09	BA	435043
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		10/12/18	9:09	BA	435043
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		10/12/18	9:09	BA	435043
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		10/12/18	9:09	BA	435043
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		10/12/18	9:09	BA	435043
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		10/12/18	9:09	BA	435043
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		10/12/18	9:09	BA	435043
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		10/12/18	9:09	BA	435043
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		10/12/18	9:09	BA	435043
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		10/12/18	9:09	BA	435043
m,p-Xylene	ETO15	1.00	0.98	2.2	ND	ND		10/12/18	9:09	BA	435043
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		10/12/18	9:09	BA	435043
Styrene	ETO15	1.00	0.46	2.1	ND	ND		10/12/18	9:09	BA	435043
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		10/12/18	9:09	BA	435043
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		10/12/18	9:09	BA	435043
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		10/12/18	9:09	BA	435043
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		10/12/18	9:09	BA	435043
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		10/12/18	9:09	BA	435043
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		10/12/18	9:09	BA	435043



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-12-SG 1514	Lab Sample ID:	1810064-006A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6105	Received PSI :	11.1
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P
Prep Batch ID: 1108597

Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		10/12/18	9:09	BA	435043
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		10/12/18	9:09	BA	435043
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		10/12/18	9:09	BA	435043
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		10/12/18	9:09	BA	435043
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		10/12/18	9:09	BA	435043
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	89 %			10/12/18	9:09	BA	435043



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-14-SG 1630	Lab Sample ID:	1810064-007A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6329	Received PSI :	11.3
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 10/12/18 12:01:00PM
Prep Batch ID: 1108585	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	2.50	0.0056	0.025	0.33			10/12/18	16:55	BA	435039

Prep Method: TO15-P	Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Batch ID: 1108597	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	2.50	3.9	6.2	ND	ND		10/12/18	12:01	BA	435043
1,1-Difluoroethane	ETO15	2.50	0.86	34	ND	ND		10/12/18	12:01	BA	435043
1,2-Dichlorotetrafluoroethane	ETO15	2.50	70	140	ND	ND		10/12/18	12:01	BA	435043
Chloromethane	ETO15	2.50	5.1	10	ND	ND		10/12/18	12:01	BA	435043
Vinyl Chloride	ETO15	2.50	0.56	3.2	ND	ND		10/12/18	12:01	BA	435043
1,3-Butadiene	ETO15	2.50	0.85	2.8	ND	ND		10/12/18	12:01	BA	435043
Bromomethane	ETO15	2.50	1.6	4.9	ND	ND		10/12/18	12:01	BA	435043
Chloroethane	ETO15	2.50	2.0	3.3	ND	ND		10/12/18	12:01	BA	435043
Trichlorofluoromethane	ETO15	2.50	1.4	7.0	ND	ND		10/12/18	12:01	BA	435043
1,1-Dichloroethene	ETO15	2.50	2.1	5.0	ND	ND		10/12/18	12:01	BA	435043
Freon 113	ETO15	2.50	2.5	9.6	ND	ND		10/12/18	12:01	BA	435043
Carbon Disulfide	ETO15	2.50	0.93	3.9	ND	ND		10/12/18	12:01	BA	435043
2-Propanol (Isopropyl Alcohol)	ETO15	2.50	3.2	31	ND	ND		10/12/18	12:01	BA	435043
Methylene Chloride	ETO15	2.50	1.8	26	ND	ND		10/12/18	12:01	BA	435043
Acetone	ETO15	2.50	0.99	30	ND	ND		10/12/18	12:01	BA	435043
trans-1,2-Dichloroethene	ETO15	2.50	1.2	5.0	ND	ND		10/12/18	12:01	BA	435043
Hexane	ETO15	2.50	1.2	4.4	ND	ND		10/12/18	12:01	BA	435043
MTBE	ETO15	2.50	1.1	4.5	ND	ND		10/12/18	12:01	BA	435043
tert-Butanol	ETO15	2.50	1.5	3.8	ND	ND		10/12/18	12:01	BA	435043
Diisopropyl ether (DIPE)	ETO15	2.50	1.8	5.2	ND	ND		10/12/18	12:01	BA	435043
1,1-Dichloroethane	ETO15	2.50	1.4	5.1	ND	ND		10/12/18	12:01	BA	435043
ETBE	ETO15	2.50	0.82	5.2	ND	ND		10/12/18	12:01	BA	435043
cis-1,2-Dichloroethene	ETO15	2.50	2.1	5.0	ND	ND		10/12/18	12:01	BA	435043
Chloroform	ETO15	2.50	2.4	6.1	ND	ND		10/12/18	12:01	BA	435043
Vinyl Acetate	ETO15	2.50	1.9	4.4	ND	ND		10/12/18	12:01	BA	435043



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-14-SG 1630	Lab Sample ID:	1810064-007A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6329	Received PSI :	11.3
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Batch ID: 1108597	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	2.50	2.8	7.9	ND	ND		10/12/18	12:01	BA	435043
1,1,1-Trichloroethane	ETO15	2.50	2.0	6.8	ND	ND		10/12/18	12:01	BA	435043
2-Butanone (MEK)	ETO15	2.50	0.97	3.7	ND	ND		10/12/18	12:01	BA	435043
Ethyl Acetate	ETO15	2.50	1.2	4.5	ND	ND		10/12/18	12:01	BA	435043
Tetrahydrofuran	ETO15	2.50	1.1	3.7	ND	ND		10/12/18	12:01	BA	435043
Benzene	ETO15	2.50	1.1	4.0	ND	ND		10/12/18	12:01	BA	435043
TAME	ETO15	2.50	1.7	5.2	ND	ND		10/12/18	12:01	BA	435043
1,2-Dichloroethane (EDC)	ETO15	2.50	1.1	5.1	ND	ND		10/12/18	12:01	BA	435043
Trichloroethylene	ETO15	2.50	2.0	6.7	ND	ND		10/12/18	12:01	BA	435043
1,2-Dichloropropane	ETO15	2.50	1.9	5.8	ND	ND		10/12/18	12:01	BA	435043
Bromodichloromethane	ETO15	2.50	1.9	8.4	ND	ND		10/12/18	12:01	BA	435043
1,4-Dioxane	ETO15	2.50	4.5	9.0	ND	ND		10/12/18	12:01	BA	435043
trans-1,3-Dichloropropene	ETO15	2.50	2.7	5.7	ND	ND		10/12/18	12:01	BA	435043
Toluene	ETO15	2.50	1.9	4.7	100	26.53		10/12/18	12:01	BA	435043
4-Methyl-2-Pentanone (MIBK)	ETO15	2.50	1.9	5.1	ND	ND		10/12/18	12:01	BA	435043
cis-1,3-Dichloropropene	ETO15	2.50	1.1	5.7	ND	ND		10/12/18	12:01	BA	435043
Tetrachloroethylene	ETO15	2.50	3.6	8.5	ND	ND		10/12/18	12:01	BA	435043
1,1,2-Trichloroethane	ETO15	2.50	1.5	6.8	ND	ND		10/12/18	12:01	BA	435043
Dibromochloromethane	ETO15	2.50	2.8	11	ND	ND		10/12/18	12:01	BA	435043
1,2-Dibromoethane (EDB)	ETO15	2.50	1.8	9.6	ND	ND		10/12/18	12:01	BA	435043
2-Hexanone	ETO15	2.50	1.6	5.1	ND	ND		10/12/18	12:01	BA	435043
Ethyl Benzene	ETO15	2.50	1.6	5.4	ND	ND		10/12/18	12:01	BA	435043
Chlorobenzene	ETO15	2.50	1.5	5.8	ND	ND		10/12/18	12:01	BA	435043
1,1,1,2-Tetrachloroethane	ETO15	2.50	2.1	8.6	ND	ND		10/12/18	12:01	BA	435043
m,p-Xylene	ETO15	2.50	2.4	5.4	ND	ND		10/12/18	12:01	BA	435043
o-Xylene	ETO15	2.50	0.76	5.4	ND	ND		10/12/18	12:01	BA	435043
Styrene	ETO15	2.50	1.2	5.3	ND	ND		10/12/18	12:01	BA	435043
Bromoform	ETO15	2.50	3.3	13	ND	ND		10/12/18	12:01	BA	435043
1,1,2,2-Tetrachloroethane	ETO15	2.50	2.0	8.6	ND	ND		10/12/18	12:01	BA	435043
4-Ethyl Toluene	ETO15	2.50	1.4	6.2	ND	ND		10/12/18	12:01	BA	435043
1,3,5-Trimethylbenzene	ETO15	2.50	0.75	6.2	ND	ND		10/12/18	12:01	BA	435043
1,2,4-Trimethylbenzene	ETO15	2.50	1.5	6.2	ND	ND		10/12/18	12:01	BA	435043
1,4-Dichlorobenzene	ETO15	2.50	1.9	7.5	ND	ND		10/12/18	12:01	BA	435043



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-14-SG 1630	Lab Sample ID:	1810064-007A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	6329	Received PSI :	11.3
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P
Prep Batch ID: 1108597

Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	2.50	3.3	7.5	ND	ND		10/12/18	12:01	BA	435043
1,2-Dichlorobenzene	ETO15	2.50	2.7	7.5	ND	ND		10/12/18	12:01	BA	435043
Hexachlorobutadiene	ETO15	2.50	4.6	13	ND	ND		10/12/18	12:01	BA	435043
1,2,4-Trichlorobenzene	ETO15	2.50	5.4	9.3	ND	ND		10/12/18	12:01	BA	435043
Naphthalene	ETO15	2.50	3.2	6.6	ND	ND		10/12/18	12:01	BA	435043
(S) 4-Bromofluorobenzene	ETO15	2.50	50	150	90 %			10/12/18	12:01	BA	435043



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-16-SG 1608	Lab Sample ID:	1810064-008A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A7565	Received PSI :	12.4
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: FG-P	Prep Batch Date/Time: 10/12/18 12:01:00PM
Prep Batch ID: 1108585	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL %	PQL %	Results %	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Helium	D1946	3.70	0.0083	0.037	0.40			10/12/18	17:01	BA	435039

Prep Method: TO15-P	Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Batch ID: 1108597	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		10/12/18	10:31	BA	435043
1,1-Difluoroethane	ETO15	1.00	0.35	14	ND	ND		10/12/18	10:31	BA	435043
1,2-Dichlorotetrafluoroethane	ETO15	1.00	28	56	ND	ND		10/12/18	10:31	BA	435043
Chloromethane	ETO15	1.00	2.0	4.1	ND	ND		10/12/18	10:31	BA	435043
Vinyl Chloride	ETO15	1.00	0.23	1.3	ND	ND		10/12/18	10:31	BA	435043
1,3-Butadiene	ETO15	1.00	0.34	1.1	ND	ND		10/12/18	10:31	BA	435043
Bromomethane	ETO15	1.00	0.66	1.9	ND	ND		10/12/18	10:31	BA	435043
Chloroethane	ETO15	1.00	0.81	1.3	ND	ND		10/12/18	10:31	BA	435043
Trichlorofluoromethane	ETO15	1.00	0.56	2.8	ND	ND		10/12/18	10:31	BA	435043
1,1-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/12/18	10:31	BA	435043
Freon 113	ETO15	1.00	1.0	3.8	ND	ND		10/12/18	10:31	BA	435043
Carbon Disulfide	ETO15	1.00	0.37	1.6	ND	ND		10/12/18	10:31	BA	435043
2-Propanol (Isopropyl Alcohol)	ETO15	1.00	1.3	12	ND	ND		10/12/18	10:31	BA	435043
Methylene Chloride	ETO15	1.00	0.70	10	ND	ND		10/12/18	10:31	BA	435043
Acetone	ETO15	1.00	0.40	12	ND	ND		10/12/18	10:31	BA	435043
trans-1,2-Dichloroethene	ETO15	1.00	0.48	2.0	ND	ND		10/12/18	10:31	BA	435043
Hexane	ETO15	1.00	0.46	1.8	ND	ND		10/12/18	10:31	BA	435043
MTBE	ETO15	1.00	0.44	1.8	ND	ND		10/12/18	10:31	BA	435043
tert-Butanol	ETO15	1.00	0.62	1.5	ND	ND		10/12/18	10:31	BA	435043
Diisopropyl ether (DIPE)	ETO15	1.00	0.74	2.1	ND	ND		10/12/18	10:31	BA	435043
1,1-Dichloroethane	ETO15	1.00	0.54	2.0	ND	ND		10/12/18	10:31	BA	435043
ETBE	ETO15	1.00	0.33	2.1	ND	ND		10/12/18	10:31	BA	435043
cis-1,2-Dichloroethene	ETO15	1.00	0.83	2.0	ND	ND		10/12/18	10:31	BA	435043
Chloroform	ETO15	1.00	0.97	2.4	ND	ND		10/12/18	10:31	BA	435043
Vinyl Acetate	ETO15	1.00	0.76	1.8	ND	ND		10/12/18	10:31	BA	435043



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-16-SG 1608	Lab Sample ID:	1810064-008A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A7565	Received PSI :	12.4
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P	Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Batch ID: 1108597	Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
Carbon Tetrachloride	ETO15	1.00	1.1	3.1	ND	ND		10/12/18	10:31	BA	435043
1,1,1-Trichloroethane	ETO15	1.00	0.79	2.7	ND	ND		10/12/18	10:31	BA	435043
2-Butanone (MEK)	ETO15	1.00	0.39	1.5	ND	ND		10/12/18	10:31	BA	435043
Ethyl Acetate	ETO15	1.00	0.48	1.8	ND	ND		10/12/18	10:31	BA	435043
Tetrahydrofuran	ETO15	1.00	0.45	1.5	ND	ND		10/12/18	10:31	BA	435043
Benzene	ETO15	1.00	0.44	1.6	2.7	0.85		10/12/18	10:31	BA	435043
TAME	ETO15	1.00	0.67	2.1	ND	ND		10/12/18	10:31	BA	435043
1,2-Dichloroethane (EDC)	ETO15	1.00	0.42	2.0	ND	ND		10/12/18	10:31	BA	435043
Trichloroethylene	ETO15	1.00	0.81	2.7	ND	ND		10/12/18	10:31	BA	435043
1,2-Dichloropropane	ETO15	1.00	0.76	2.3	ND	ND		10/12/18	10:31	BA	435043
Bromodichloromethane	ETO15	1.00	0.74	3.4	ND	ND		10/12/18	10:31	BA	435043
1,4-Dioxane	ETO15	1.00	1.8	3.6	ND	ND		10/12/18	10:31	BA	435043
trans-1,3-Dichloropropene	ETO15	1.00	1.1	2.3	ND	ND		10/12/18	10:31	BA	435043
Toluene	ETO15	1.00	0.75	1.9	6.1	1.62		10/12/18	10:31	BA	435043
4-Methyl-2-Pentanone (MIBK)	ETO15	1.00	0.75	2.1	ND	ND		10/12/18	10:31	BA	435043
cis-1,3-Dichloropropene	ETO15	1.00	0.42	2.3	ND	ND		10/12/18	10:31	BA	435043
Tetrachloroethylene	ETO15	1.00	1.5	3.4	ND	ND		10/12/18	10:31	BA	435043
1,1,2-Trichloroethane	ETO15	1.00	0.58	2.7	ND	ND		10/12/18	10:31	BA	435043
Dibromochloromethane	ETO15	1.00	1.1	4.3	ND	ND		10/12/18	10:31	BA	435043
1,2-Dibromoethane (EDB)	ETO15	1.00	0.74	3.8	ND	ND		10/12/18	10:31	BA	435043
2-Hexanone	ETO15	1.00	0.65	2.1	ND	ND		10/12/18	10:31	BA	435043
Ethyl Benzene	ETO15	1.00	0.63	2.2	ND	ND		10/12/18	10:31	BA	435043
Chlorobenzene	ETO15	1.00	0.60	2.3	ND	ND		10/12/18	10:31	BA	435043
1,1,1,2-Tetrachloroethane	ETO15	1.00	0.84	3.4	ND	ND		10/12/18	10:31	BA	435043
m,p-Xylene	ETO15	1.00	0.98	2.2	3.1	0.71		10/12/18	10:31	BA	435043
o-Xylene	ETO15	1.00	0.30	2.2	ND	ND		10/12/18	10:31	BA	435043
Styrene	ETO15	1.00	0.46	2.1	ND	ND		10/12/18	10:31	BA	435043
Bromoform	ETO15	1.00	1.3	5.2	ND	ND		10/12/18	10:31	BA	435043
1,1,2,2-Tetrachloroethane	ETO15	1.00	0.82	3.4	ND	ND		10/12/18	10:31	BA	435043
4-Ethyl Toluene	ETO15	1.00	0.55	2.5	ND	ND		10/12/18	10:31	BA	435043
1,3,5-Trimethylbenzene	ETO15	1.00	0.30	2.5	ND	ND		10/12/18	10:31	BA	435043
1,2,4-Trimethylbenzene	ETO15	1.00	0.60	2.5	ND	ND		10/12/18	10:31	BA	435043
1,4-Dichlorobenzene	ETO15	1.00	0.75	3.0	ND	ND		10/12/18	10:31	BA	435043



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-16-SG 1608	Lab Sample ID:	1810064-008A
Project Name/Location:	480 East 4th Ave & 400 East 5th Ave	Sample Matrix:	Soil Vapor
Project Number:	391622		
Date/Time Sampled:	10/08/18 /	Certified Clean WO # :	
Canister/Tube ID:	A7565	Received PSI :	12.4
Collection Volume (L):		Corrected PSI :	
SDG:			

Prep Method: TO15-P
Prep Batch ID: 1108597

Prep Batch Date/Time: 10/11/18 6:00:00PM
Prep Analyst: BALI

Parameters:	Analysis Method	DF	MDL ug/m3	PQL ug/m3	Results ug/m3	Results ppbv	Q	Analyzed	Time	By	Analytical Batch
1,3-Dichlorobenzene	ETO15	1.00	1.3	3.0	ND	ND		10/12/18	10:31	BA	435043
1,2-Dichlorobenzene	ETO15	1.00	1.1	3.0	ND	ND		10/12/18	10:31	BA	435043
Hexachlorobutadiene	ETO15	1.00	1.9	5.3	ND	ND		10/12/18	10:31	BA	435043
1,2,4-Trichlorobenzene	ETO15	1.00	2.2	3.7	ND	ND		10/12/18	10:31	BA	435043
Naphthalene	ETO15	1.00	1.3	2.6	ND	ND		10/12/18	10:31	BA	435043
(S) 4-Bromofluorobenzene	ETO15	1.00	50	150	96 %			10/12/18	10:31	BA	435043



MB Summary Report

Work Order:	1810064	Prep Method:	TO15-P	Prep Date:	10/09/18	Prep Batch:	1108545
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/9/2018	Analytical Batch:	434995
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
1,2-Dichlorotetrafluoroethane	4.0	8.0	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	1.1	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	ND	
Ethyl Acetate	0.13	0.50	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	0.23	
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:	1810064	Prep Method:	TO15-P	Prep Date:	10/09/18	Prep Batch:	1108545
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/9/2018	Analytical Batch:	434995
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	
(S) 4-Bromofluorobenzene			94	



MB Summary Report

Work Order:	1810064	Prep Method:	TO15-P	Prep Date:	10/10/18	Prep Batch:	1108547
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/10/2018	Analytical Batch:	434998
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	1.8	
1,2-Dichlorotetrafluoroethane	4.0	8.0	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	0.15	
2-Propanol (Isopropyl Alcohol)	0.52	5.0	ND	
Methylene Chloride	0.20	3.0	0.30	
Acetone	0.17	5.0	1.2	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	0.13	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	0.28	
Ethyl Acetate	0.13	0.50	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	



MB Summary Report

Work Order:	1810064	Prep Method:	TO15-P	Prep Date:	10/10/18	Prep Batch:	1108547
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/10/2018	Analytical Batch:	434998
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		
(S) 4-Bromofluorobenzene			97		

Work Order:	1810064	Prep Method:	FG-P	Prep Date:	10/12/18	Prep Batch:	1108585
Matrix:	Air	Analytical Method:	D1946	Analyzed Date:	10/12/2018	Analytical Batch:	435039
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Helium	22	100	ND		



MB Summary Report

Work Order:	1810064	Prep Method:	TO15-P	Prep Date:	10/11/18	Prep Batch:	1108597
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/11/2018	Analytical Batch:	435043
Units:	ppbv						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.32	0.50	ND	
1,1-Difluoroethane	0.13	5.0	ND	
1,2-Dichlorotetrafluoroethane	4.0	8.0	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	1.1	
trans-1,2-Dichloroethene	0.12	0.50	ND	
Hexane	0.13	0.50	ND	
MTBE	0.12	0.50	ND	
tert-Butanol	0.20	0.50	ND	
Diisopropyl ether (DIPE)	0.18	0.50	ND	
1,1-Dichloroethane	0.13	0.50	ND	
ETBE	0.078	0.50	ND	
cis-1,2-Dichloroethene	0.21	0.50	ND	
Chloroform	0.20	0.50	ND	
Vinyl Acetate	0.22	0.50	ND	
Carbon Tetrachloride	0.18	0.50	ND	
1,1,1-Trichloroethane	0.15	0.50	ND	
2-Butanone (MEK)	0.13	0.50	ND	
Ethyl Acetate	0.13	0.50	ND	
Tetrahydrofuran	0.15	0.50	ND	
Benzene	0.14	0.50	ND	
TAME	0.16	0.50	ND	
1,2-Dichloroethane (EDC)	0.10	0.50	ND	
Trichloroethylene	0.15	0.50	ND	
1,2-Dichloropropane	0.17	0.50	ND	
Bromodichloromethane	0.11	0.50	ND	
1,4-Dioxane	0.50	1.0	ND	
trans-1,3-Dichloropropene	0.23	0.50	ND	
Toluene	0.20	0.50	ND	
4-Methyl-2-Pentanone (MIBK)	0.18	0.50	ND	
cis-1,3-Dichloropropene	0.093	0.50	ND	
Tetrachloroethylene	0.22	0.50	ND	



MB Summary Report

Work Order:	1810064	Prep Method:	TO15-P	Prep Date:	10/11/18	Prep Batch:	1108597
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/11/2018	Analytical Batch:	435043
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	0.24	
(S) 4-Bromofluorobenzene			89	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1810064	Prep Method:	TO15-P	Prep Date:	10/09/18	Prep Batch:	1108545
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/9/2018	Analytical Batch:	434995
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	81.5	85.8	5.08	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	87.3	93.4	6.78	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	91.0	98.4	7.79	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	94.7	92.1	2.68	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	81.8	90.9	10.6	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	79.2	82.7		50 - 150		

Work Order:	1810064	Prep Method:	TO15-P	Prep Date:	10/10/18	Prep Batch:	1108547
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/10/2018	Analytical Batch:	434998
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	119	124	3.91	65 - 135	30	
Benzene	0.14	0.50	1.8	8.00	96.6	96.6	0.000	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	81.2	83.2	2.59	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	94.0	94.7	0.795	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	86.3	86.5	0.289	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	107	108		50 - 150		

Work Order:	1810064	Prep Method:	FG-P	Prep Date:	10/12/18	Prep Batch:	1108585
Matrix:	Air	Analytical Method:	D1946	Analyzed Date:	10/12/2018	Analytical Batch:	435039
Units:	ppmv						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Helium	22	100	ND	2500	103	94.3	8.52	65 - 135	30	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1810064	Prep Method:	TO15-P	Prep Date:	10/11/18	Prep Batch:	1108597
Matrix:	Air	Analytical Method:	ETO15	Analyzed Date:	10/11/2018	Analytical Batch:	435043
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	76.9	81.9	6.45	65 - 135	30	
Benzene	0.14	0.50	ND	8.00	82.3	84.5	2.70	65 - 135	30	
Trichloroethylene	0.15	0.50	ND	8.00	99.2	98.0	1.14	65 - 135	30	
Toluene	0.20	0.50	ND	8.00	104	98.1	5.33	65 - 135	30	
Chlorobenzene	0.13	0.50	ND	8.00	96.3	92.9	3.57	65 - 135	30	
(S) 4-Bromofluorobenzene				20.0	106	109		50 - 150		



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:

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



Sample Receipt Checklist

Client Name: AEI Consultants

Project Name: 480 East 4th Ave & 400 East 5th Ave

Work Order No.: 1810064

Date and Time Received: 10/9/2018 4:45:00PM

Received By: Navin Ghodasara

Physically Logged By: Navin Ghodasara

Checklist Completed By: Navin Ghodasara

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present? Yes

Chain of custody signed when relinquished and received? Yes

Chain of custody agrees with sample labels? Yes

Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present

Shipping Container/Cooler In Good Condition? Yes

Samples in proper container/bottle? Yes

Samples containers intact? Yes

Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes

Container/Temp Blank temperature in compliance? Temperature: °C

Water-VOA vials have zero headspace? No VOA vials submitted

Water-pH acceptable upon receipt? N/A

pH Checked by: na

pH Adjusted by: na

Comments:

Air samples in Summa canisters received at ambient temperature.



Login Summary Report

Client ID: TL5781 AEI Consultants
Project Name: 480 East 4th Ave & 400 East 5th Ave
Project # : 391622
Report Due Date: 10/16/2018

QC Level: II
TAT Requested: 5+ day:5
Date Received: 10/9/2018
Time Received: 4:45 pm

Comments:

Work Order # : **1810064**

<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>
1810064-001A	B-7-SG 1403	10/08/18	Air				VOC_A_TO15 VOC_A_FG D1946	
<u>Sample Note:</u>	TO-15, Helium.							
1810064-002A	B-8-SG 1538	10/08/18	Air				VOC_A_TO15 VOC_A_FG D1946	
1810064-003A	B-9-SG 1302	10/08/18	Air				VOC_A_TO15 VOC_A_FG D1946	
1810064-004A	B-10-SG 1654	10/08/18	Air				VOC_A_TO15 VOC_A_FG D1946	
1810064-005A	B-11-SG 1446	10/08/18	Air				VOC_A_TO15 VOC_A_FG D1946	
1810064-006A	B-12-SG 1514	10/08/18	Air				VOC_A_TO15 VOC_A_FG D1946	
1810064-007A	B-14-SG 1630	10/08/18	Air				VOC_A_FG D1946 VOC_A_TO15	
1810064-008A	B-16-SG 1608	10/08/18	Air				VOC_A_TO15 VOC_A_FG D1946	



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

CHAIN OF CUSTODY

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

LAB WORK ORDER NO

1810064

Company Name: AEI Consultants		☐ Env. ☐ Special	Project #: 391622	PO#: 174640
Address: 2500 Camino Diablo			Project Name: 480 East 4th Ave & 400 East 5th Ave	
City: Walnut Creek	State: CA	Zip Code: 94597	Comments:	
Telephone: 925-746-6000	Cell: 925-746-6099	SAMPLER: Ariel Kittredge		
REPORT TO: Melanie Wong	BILL TO: Ariel Kittredge	EMAIL: mwong@aeiconsultants.com		

TURNAROUND TIME:

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

SAMPLE TYPE:

☐ Storm Water ☒ Air
☐ Waste Water ☐ Wipe
☐ Ground Water ☐ Other
☐ Soil ☐ Product / Bulk

REPORT FORMAT:

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

VOCs TO-15

Helium ASTM D1946

ANALYSIS
REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	VOCs TO-15	Helium ASTM D1946	REMARKS
001A		B-7-SG 1403	10/8/18		1	canister	X	X	
002A		B-8-SG 1538	10/8/18		1				
003A		B-9-SG 1302	10/8/18		1				
004A		B-10-SG 1654	10/8/18		1				
005A		B-11-SG 1446	10/8/18		1				
006A		B-12-SG 1514	10/8/18		1				
007A		B-14-SG 1630	10/8/18		1				
008A		B-16-SG 1608	10/8/18		1				
									Temp. Ambient

1 Relinquished By: <u>Ariel Kittredge</u>	Print: <u>Ariel Kittredge</u>	Date: <u>10/9/18</u>	Time: <u>1:56 PM</u>	Received By: <u>NAVIA G</u>	Print: <u>NAVIA G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 PM</u>
2 Relinquished By: <u>[Signature]</u>	Print: <u>[Signature]</u>	Date: <u>10/9/18</u>	Time: <u>4:45 PM</u>	Received By: <u>NAVIA G</u>	Print: <u>NAVIA G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 PM</u>

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

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

Log In By: [Signature] Date: 10-9-18 Labeled By: [Signature] Date: 10-9-18

Temp _____ °C

Page 11 of 11 Rev. 3



AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597
Tel: 925-746-6048
RE: San Mateo

Work Order No.: 1810065

Dear Melanie Wong:

Torrent Laboratory, Inc. received 40 sample(s) on October 09, 2018 for the analyses presented in the following Report.

Per Chain of Custody instructions, 27 samples were placed on hold.

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

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

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

Patti L Sandroock
QA Officer

October 16, 2018

Date

Date: 10/16/2018

Client: AEI Consultants

Project: San Mateo

Work Order: 1810065

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 Analytical, Inc.

Analytical Comments for method 6010B, 1810065-001A MS/MSD, QC Analytical Preparation ID 1108542, 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: Melanie Wong
AEI Consultants

Date Received: 10/09/18

Date Reported: 10/16/18

SB-1-1

1810065-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	140	mg/Kg
Chromium	SW6010B	1	0.075	5.00	25.0	mg/Kg
Lead	SW6010B	1	0.10	1.30	6.15	mg/Kg
TPH as Motor Oil	SW8015B	4	130	400	1090	mg/Kg

SB-2-1

1810065-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	153	mg/Kg
Chromium	SW6010B	1	0.075	5.00	33.4	mg/Kg
Lead	SW6010B	1	0.10	1.30	11.9	mg/Kg
TPH as Motor Oil	SW8015B	4	130	400	3120	mg/Kg

SB-3-1

1810065-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	133	mg/Kg
Chromium	SW6010B	1	0.075	5.00	25.2	mg/Kg
Lead	SW6010B	1	0.10	1.30	11.8	mg/Kg
TPH as Motor Oil	SW8015B	4	130	400	1480	mg/Kg

SB-4-1

1810065-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	141	mg/Kg
Chromium	SW6010B	1	0.075	5.00	26.6	mg/Kg
Lead	SW6010B	1	0.10	1.30	7.05	mg/Kg
TPH as Motor Oil	SW8015B	4	130	400	1420	mg/Kg

SB-5-1

1810065-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	107	mg/Kg
Chromium	SW6010B	1	0.075	5.00	27.8	mg/Kg
Lead	SW6010B	1	0.10	1.30	6.35	mg/Kg
TPH as Motor Oil	SW8015B	4	130	400	1110	mg/Kg

SB-6-1

1810065-016

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	105	mg/Kg
Chromium	SW6010B	1	0.075	5.00	25.5	mg/Kg
Lead	SW6010B	1	0.10	1.30	7.00	mg/Kg
TPH as Motor Oil	SW8015B	4	130	400	1330	mg/Kg



Sample Result Summary

Report prepared for: Melanie Wong
AEI Consultants

Date Received: 10/09/18

Date Reported: 10/16/18

SB-7-1

1810065-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	3.00	3.78	mg/Kg
Barium	SW6010B	1	0.055	5.00	85.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	34.4	mg/Kg
Lead	SW6010B	1	0.10	1.30	6.75	mg/Kg
TPH as Diesel	SW8015B	5	43	100	113	mg/Kg
TPH as Motor Oil	SW8015B	5	160	500	2730	mg/Kg

SB-8-1

1810065-022

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	171	mg/Kg
Chromium	SW6010B	1	0.075	5.00	28.4	mg/Kg
Lead	SW6010B	1	0.10	1.30	13.8	mg/Kg
TPH as Motor Oil	SW8015B	4	130	400	1370	mg/Kg

B-7-1

1810065-025

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	232	mg/Kg
Chromium	SW6010B	1	0.075	5.00	26.9	mg/Kg
Lead	SW6010B	1	0.10	1.30	11.4	mg/Kg
TPH as Diesel	SW8015B	1	8.5	20	31.3	mg/Kg
TPH as Motor Oil	SW8015B	1	32	100	584	mg/Kg

B-7-24

1810065-032

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

All compounds were non-detectable for this sample.

B-8-1

1810065-033

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	3.00	3.94	mg/Kg
Barium	SW6010B	1	0.055	5.00	254	mg/Kg
Chromium	SW6010B	1	0.075	5.00	37.1	mg/Kg
Lead	SW6010B	1	0.10	1.30	263	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	5.65	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	45.9	mg/Kg

B-8-18

1810065-038

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

All compounds were non-detectable for this sample.



Sample Result Summary

Report prepared for: Melanie Wong
AEI Consultants

Date Received: 10/09/18

Date Reported: 10/16/18

1810065-039

B-9-1

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	3.00	3.61	mg/Kg
Barium	SW6010B	1	0.055	5.00	122	mg/Kg
Chromium	SW6010B	1	0.075	5.00	40.6	mg/Kg
Lead	SW6010B	1	0.10	1.30	121	mg/Kg
TPH as Diesel	SW8015B	2	1.7	4.0	8.79	mg/Kg
TPH as Motor Oil	SW8015B	2	6.4	20	101	mg/Kg



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-1-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:42
SDG:

Lab Sample ID: 1810065-001A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:26	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-1-1	Lab Sample ID:	1810065-001A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:42		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Batch ID: 1108542	Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	17:32	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	140		mg/Kg	10/12/18	17:32	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	17:32	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	25.0		mg/Kg	10/12/18	17:32	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	6.15		mg/Kg	10/12/18	17:32	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	17:32	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	17:32	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-1-1	Lab Sample ID:	1810065-001A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:42		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	10/9/18 11:04:00AM
Prep Batch ID:	1108486	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	5	270	500	ND		ug/Kg	10/10/18	17:43	mk	434987
Aroclor1221	SW8082A	5	25	500	ND		ug/Kg	10/10/18	17:43	mk	434987
Aroclor1232	SW8082A	5	85	500	ND		ug/Kg	10/10/18	17:43	mk	434987
Aroclor1242	SW8082A	5	15	500	ND		ug/Kg	10/10/18	17:43	mk	434987
Aroclor1248	SW8082A	5	10	500	ND		ug/Kg	10/10/18	17:43	mk	434987
Aroclor1254	SW8082A	5	10	500	ND		ug/Kg	10/10/18	17:43	mk	434987
Aroclor1260	SW8082A	5	180	500	ND		ug/Kg	10/10/18	17:43	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		120		%	10/10/18	17:43	mk	434987
DCBP (S)	SW8082A		48 - 135		80.0		%	10/10/18	17:43	mk	434987

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-1-1	Lab Sample ID:	1810065-001A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:42		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Batch ID: 1108484	Prep Analyst: MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
N-Nitrosdimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	10/10/18	18:37	MT	435038
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Bis(2-chloroethyl) ether	SW8270C	50	1.85	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
NMP	SW8270C	50	9.45	100	ND		mg/Kg	10/10/18	18:37	MT	435038
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	10/10/18	18:37	MT	435038
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-1-1	Lab Sample ID:	1810065-001A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:42		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	10/10/18	18:37	MT	435038
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	10/10/18	18:37	MT	435038
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	10/10/18	18:37	MT	435038
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
4-Chlorophenyl phenyl ether	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
4-Bromophenyl phenyl ether	SW8270C	50	1.14	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Benidine	SW8270C	50	20.4	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Benzyl butyl phthalate	SW8270C	50	2.92	100	ND		mg/Kg	10/10/18	18:37	MT	435038
Benz[a]anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	10/10/18	18:37	MT	435038
Di-n-octyl phthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Benzo[b]fluoranthene	SW8270C	50	1.67	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Benzo[k]fluoranthene	SW8270C	50	1.13	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Benzo[a]pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Indeno[1,2,3-cd]pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Dibenz[a,h]anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038
Benzo[g,h,i]perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	10/10/18	18:37	MT	435038

Acceptance Limits

2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	10/10/18	18:37	MT	435038
Phenol-d6 (S)	SW8270C		24 - 113	0.000	D	%	10/10/18	18:37	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-1-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:42
SDG:

Lab Sample ID: 1810065-001A
Sample Matrix: Soil

Prep Method: 3546_BNA
Prep Batch ID: 1108484

Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

2,4,6-Tribromophenol (S)	SW8270C		19 - 122		0.000	D	%	10/10/18	18:37	MT	435038
2-Fluorobiphenyl (S)	SW8270C		45 - 143		0.000	D	%	10/10/18	18:37	MT	435038
Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	10/10/18	18:37	MT	435038
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	10/10/18	18:37	MT	435038

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-1-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:42
SDG:

Lab Sample ID: 1810065-001A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	11:41	mk	434981
TPH as Motor Oil	SW8015B	4	130	400	1090		mg/Kg	10/11/18	11:41	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	11:41	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-1-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:42
SDG:

Lab Sample ID: 1810065-001A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	13:07	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		77.0		%	10/10/18	13:07	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-2-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:56
SDG:

Lab Sample ID: 1810065-004A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:33	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-2-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:56
SDG:

Lab Sample ID: 1810065-004A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	17:42	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	153		mg/Kg	10/12/18	17:42	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	17:42	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	33.4		mg/Kg	10/12/18	17:42	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	11.9		mg/Kg	10/12/18	17:42	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	17:42	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	17:42	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-2-1	Lab Sample ID:	1810065-004A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:56		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	10/9/18 11:04:00AM
Prep Batch ID:	1108486	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	5	270	500	ND		ug/Kg	10/10/18	17:58	mk	434987
Aroclor1221	SW8082A	5	25	500	ND		ug/Kg	10/10/18	17:58	mk	434987
Aroclor1232	SW8082A	5	85	500	ND		ug/Kg	10/10/18	17:58	mk	434987
Aroclor1242	SW8082A	5	15	500	ND		ug/Kg	10/10/18	17:58	mk	434987
Aroclor1248	SW8082A	5	10	500	ND		ug/Kg	10/10/18	17:58	mk	434987
Aroclor1254	SW8082A	5	10	500	ND		ug/Kg	10/10/18	17:58	mk	434987
Aroclor1260	SW8082A	5	180	500	ND		ug/Kg	10/10/18	17:58	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		105		%	10/10/18	17:58	mk	434987
DCBP (S)	SW8082A		48 - 135		60.0		%	10/10/18	17:58	mk	434987

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-2-1	Lab Sample ID:	1810065-004A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:56		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Batch ID: 1108484	Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

N-Nitrosdimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	10/10/18	19:05	MT	435038
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Bis(2-chloroethyl) ether	SW8270C	50	1.85	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
NMP	SW8270C	50	9.45	100	ND		mg/Kg	10/10/18	19:05	MT	435038
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	10/10/18	19:05	MT	435038
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-2-1	Lab Sample ID:	1810065-004A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:56		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	10/10/18	19:05	MT	435038
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	10/10/18	19:05	MT	435038
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	10/10/18	19:05	MT	435038
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
4-Chlorophenyl phenyl ether	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
4-Bromophenyl phenyl ether	SW8270C	50	1.14	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Benidine	SW8270C	50	20.4	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Benzyl butyl phthalate	SW8270C	50	2.92	100	ND		mg/Kg	10/10/18	19:05	MT	435038
Benz[a]anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	10/10/18	19:05	MT	435038
Di-n-octyl phthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Benzo[b]fluoranthene	SW8270C	50	1.67	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Benzo[k]fluoranthene	SW8270C	50	1.13	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Benzo[a]pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Indeno[1,2,3-cd]pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Dibenz[a,h]anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038
Benzo[g,h,i]perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	10/10/18	19:05	MT	435038

Acceptance Limits

2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	10/10/18	19:05	MT	435038
Phenol-d6 (S)	SW8270C		24 - 113	0.000	D	%	10/10/18	19:05	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-2-1	Lab Sample ID:	1810065-004A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:56		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

2,4,6-Tribromophenol (S)	SW8270C		19 - 122		0.000	D	%	10/10/18	19:05	MT	435038
2-Fluorobiphenyl (S)	SW8270C		45 - 143		0.000	D	%	10/10/18	19:05	MT	435038
Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	10/10/18	19:05	MT	435038
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	10/10/18	19:05	MT	435038

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-2-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:56
SDG:

Lab Sample ID: 1810065-004A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	12:04	mk	434981
TPH as Motor Oil	SW8015B	4	130	400	3120		mg/Kg	10/11/18	12:04	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	12:04	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-2-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:56
SDG:

Lab Sample ID: 1810065-004A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	13:36	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		66.4		%	10/10/18	13:36	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-3-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:03
SDG:

Lab Sample ID: 1810065-007A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:39	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-3-1	Lab Sample ID:	1810065-007A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:03		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	10/11/18 2:40:00PM
Prep Batch ID:	1108542	Prep Analyst:	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	17:49	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	133		mg/Kg	10/12/18	17:49	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	17:49	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	25.2		mg/Kg	10/12/18	17:49	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	11.8		mg/Kg	10/12/18	17:49	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	17:49	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	17:49	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-3-1	Lab Sample ID:	1810065-007A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:03		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	10/9/18 11:04:00AM
Prep Batch ID:	1108486	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	5	270	500	ND		ug/Kg	10/10/18	18:13	mk	434987
Aroclor1221	SW8082A	5	25	500	ND		ug/Kg	10/10/18	18:13	mk	434987
Aroclor1232	SW8082A	5	85	500	ND		ug/Kg	10/10/18	18:13	mk	434987
Aroclor1242	SW8082A	5	15	500	ND		ug/Kg	10/10/18	18:13	mk	434987
Aroclor1248	SW8082A	5	10	500	ND		ug/Kg	10/10/18	18:13	mk	434987
Aroclor1254	SW8082A	5	10	500	ND		ug/Kg	10/10/18	18:13	mk	434987
Aroclor1260	SW8082A	5	180	500	ND		ug/Kg	10/10/18	18:13	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		115		%	10/10/18	18:13	mk	434987
DCBP (S)	SW8082A		48 - 135		65.0		%	10/10/18	18:13	mk	434987

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm

Date Reported: 10/16/18

Client Sample ID:	SB-3-1	Lab Sample ID:	1810065-007A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:03		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
N-Nitrosdimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	10/10/18	19:33	MT	435038
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Bis(2-chloroethyl) ether	SW8270C	50	1.85	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
NMP	SW8270C	50	9.45	100	ND		mg/Kg	10/10/18	19:33	MT	435038
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	10/10/18	19:33	MT	435038
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-3-1	Lab Sample ID:	1810065-007A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:03		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	10/10/18	19:33	MT	435038
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	10/10/18	19:33	MT	435038
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	10/10/18	19:33	MT	435038
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
4-Chlorophenyl phenyl ether	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
4-Bromophenyl phenyl ether	SW8270C	50	1.14	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Benidine	SW8270C	50	20.4	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Benzyl butyl phthalate	SW8270C	50	2.92	100	ND		mg/Kg	10/10/18	19:33	MT	435038
Benz[a]anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	10/10/18	19:33	MT	435038
Di-n-octyl phthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Benzo[b]fluoranthene	SW8270C	50	1.67	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Benzo[k]fluoranthene	SW8270C	50	1.13	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Benzo[a]pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Indeno[1,2,3-cd]pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Dibenz[a,h]anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038
Benzo[g,h,i]perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	10/10/18	19:33	MT	435038

Acceptance Limits

2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	10/10/18	19:33	MT	435038
Phenol-d6 (S)	SW8270C		24 - 113	0.000	D	%	10/10/18	19:33	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-3-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:03
SDG:

Lab Sample ID: 1810065-007A
Sample Matrix: Soil

Prep Method: 3546_BNA
Prep Batch ID: 1108484

Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

2,4,6-Tribromophenol (S)	SW8270C		19 - 122		0.000	D	%	10/10/18	19:33	MT	435038
2-Fluorobiphenyl (S)	SW8270C		45 - 143		0.000	D	%	10/10/18	19:33	MT	435038
Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	10/10/18	19:33	MT	435038
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	10/10/18	19:33	MT	435038

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-3-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:03
SDG:

Lab Sample ID: 1810065-007A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	12:27	mk	434981
TPH as Motor Oil	SW8015B	4	130	400	1480		mg/Kg	10/11/18	12:27	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	12:27	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-3-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:03
SDG:

Lab Sample ID: 1810065-007A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	14:05	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		61.5		%	10/10/18	14:05	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-4-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:43
SDG:

Lab Sample ID: 1810065-010A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:41	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-4-1	Lab Sample ID:	1810065-010A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 8:43		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	10/11/18 2:40:00PM
Prep Batch ID:	1108542	Prep Analyst:	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	17:53	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	141		mg/Kg	10/12/18	17:53	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	17:53	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	26.6		mg/Kg	10/12/18	17:53	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	7.05		mg/Kg	10/12/18	17:53	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	17:53	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	17:53	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-4-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:43
SDG:

Lab Sample ID: 1810065-010A
Sample Matrix: Soil

Prep Method: 3546_PCB
Prep Batch ID: 1108486

Prep Batch Date/Time: 10/9/18 11:04:00AM
Prep Analyst: MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	5	270	500	ND		ug/Kg	10/10/18	18:52	mk	434987
Aroclor1221	SW8082A	5	25	500	ND		ug/Kg	10/10/18	18:52	mk	434987
Aroclor1232	SW8082A	5	85	500	ND		ug/Kg	10/10/18	18:52	mk	434987
Aroclor1242	SW8082A	5	15	500	ND		ug/Kg	10/10/18	18:52	mk	434987
Aroclor1248	SW8082A	5	10	500	ND		ug/Kg	10/10/18	18:52	mk	434987
Aroclor1254	SW8082A	5	10	500	ND		ug/Kg	10/10/18	18:52	mk	434987
Aroclor1260	SW8082A	5	180	500	ND		ug/Kg	10/10/18	18:52	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 135		135		%	10/10/18	18:52	mk	434987
DCBP (S)	SW8082A		48 - 135		70.0		%	10/10/18	18:52	mk	434987

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-4-1	Lab Sample ID:	1810065-010A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 8:43		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

N-Nitrosdimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	10/10/18	20:01	MT	435038
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Bis(2-chloroethyl) ether	SW8270C	50	1.85	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
NMP	SW8270C	50	9.45	100	ND		mg/Kg	10/10/18	20:01	MT	435038
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	10/10/18	20:01	MT	435038
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-4-1	Lab Sample ID:	1810065-010A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 8:43		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Batch ID: 1108484	Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	10/10/18	20:01	MT	435038
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	10/10/18	20:01	MT	435038
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	10/10/18	20:01	MT	435038
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
4-Chlorophenyl phenyl ether	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
4-Bromophenyl phenyl ether	SW8270C	50	1.14	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Benidine	SW8270C	50	20.4	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Benzyl butyl phthalate	SW8270C	50	2.92	100	ND		mg/Kg	10/10/18	20:01	MT	435038
Benz[a]anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	10/10/18	20:01	MT	435038
Di-n-octyl phthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Benzo[b]fluoranthene	SW8270C	50	1.67	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Benzo[k]fluoranthene	SW8270C	50	1.13	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Benzo[a]pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Indeno[1,2,3-cd]pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Dibenz[a,h]anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038
Benzo[g,h,i]perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	10/10/18	20:01	MT	435038

Acceptance Limits

2-Fluorophenol (S)	SW8270C		25 - 121		0.000	D	%	10/10/18	20:01	MT	435038
Phenol-d6 (S)	SW8270C		24 - 113		0.000	D	%	10/10/18	20:01	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-4-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:43
SDG:

Lab Sample ID: 1810065-010A
Sample Matrix: Soil

Prep Method: 3546_BNA
Prep Batch ID: 1108484

Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

2,4,6-Tribromophenol (S)	SW8270C		19 - 122		0.000	D	%	10/10/18	20:01	MT	435038
2-Fluorobiphenyl (S)	SW8270C		45 - 143		0.000	D	%	10/10/18	20:01	MT	435038
Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	10/10/18	20:01	MT	435038
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	10/10/18	20:01	MT	435038

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-4-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:43
SDG:

Lab Sample ID: 1810065-010A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	12:51	mk	434981
TPH as Motor Oil	SW8015B	4	130	400	1420		mg/Kg	10/11/18	12:51	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	12:51	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-4-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:43
SDG:

Lab Sample ID: 1810065-010A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	14:35	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		53.9		%	10/10/18	14:35	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-5-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:33
SDG:

Lab Sample ID: 1810065-013A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:44	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-5-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:33
SDG:

Lab Sample ID: 1810065-013A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	18:03	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	107		mg/Kg	10/12/18	18:03	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:03	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	27.8		mg/Kg	10/12/18	18:03	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	6.35		mg/Kg	10/12/18	18:03	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:03	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:03	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-5-1	Lab Sample ID:	1810065-013A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:33		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	10/9/18 11:04:00AM
Prep Batch ID:	1108486	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	5	270	500	ND		ug/Kg	10/10/18	19:07	mk	434987
Aroclor1221	SW8082A	5	25	500	ND		ug/Kg	10/10/18	19:07	mk	434987
Aroclor1232	SW8082A	5	85	500	ND		ug/Kg	10/10/18	19:07	mk	434987
Aroclor1242	SW8082A	5	15	500	ND		ug/Kg	10/10/18	19:07	mk	434987
Aroclor1248	SW8082A	5	10	500	ND		ug/Kg	10/10/18	19:07	mk	434987
Aroclor1254	SW8082A	5	10	500	ND		ug/Kg	10/10/18	19:07	mk	434987
Aroclor1260	SW8082A	5	180	500	ND		ug/Kg	10/10/18	19:07	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		120		%	10/10/18	19:07	mk	434987
DCBP (S)	SW8082A		48 - 135		65.0		%	10/10/18	19:07	mk	434987

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-5-1	Lab Sample ID:	1810065-013A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:33		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Batch ID: 1108484	Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

N-Nitrosdimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	10/10/18	20:29	MT	435038
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Bis(2-chloroethyl) ether	SW8270C	50	1.85	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
NMP	SW8270C	50	9.45	100	ND		mg/Kg	10/10/18	20:29	MT	435038
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	10/10/18	20:29	MT	435038
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-5-1	Lab Sample ID:	1810065-013A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:33		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	10/10/18	20:29	MT	435038
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	10/10/18	20:29	MT	435038
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	10/10/18	20:29	MT	435038
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
4-Chlorophenyl phenyl ether	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
4-Bromophenyl phenyl ether	SW8270C	50	1.14	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Benidine	SW8270C	50	20.4	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Benzyl butyl phthalate	SW8270C	50	2.92	100	ND		mg/Kg	10/10/18	20:29	MT	435038
Benz[a]anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	10/10/18	20:29	MT	435038
Di-n-octyl phthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Benzo[b]fluoranthene	SW8270C	50	1.67	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Benzo[k]fluoranthene	SW8270C	50	1.13	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Benzo[a]pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Indeno[1,2,3-cd]pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Dibenz[a,h]anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038
Benzo[g,h,i]perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	10/10/18	20:29	MT	435038

Acceptance Limits

2-Fluorophenol (S)	SW8270C		25 - 121		0.000	D	%	10/10/18	20:29	MT	435038
Phenol-d6 (S)	SW8270C		24 - 113		0.000	D	%	10/10/18	20:29	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-5-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:33
SDG:

Lab Sample ID: 1810065-013A
Sample Matrix: Soil

Prep Method: 3546_BNA
Prep Batch ID: 1108484

Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

2,4,6-Tribromophenol (S)	SW8270C		19 - 122		0.000	D	%	10/10/18	20:29	MT	435038
2-Fluorobiphenyl (S)	SW8270C		45 - 143		0.000	D	%	10/10/18	20:29	MT	435038
Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	10/10/18	20:29	MT	435038
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	10/10/18	20:29	MT	435038

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-5-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:33
SDG:

Lab Sample ID: 1810065-013A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	13:14	mk	434981
TPH as Motor Oil	SW8015B	4	130	400	1110		mg/Kg	10/11/18	13:14	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	13:14	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-5-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:33
SDG:

Lab Sample ID: 1810065-013A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	16:39	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		62.0		%	10/10/18	16:39	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-6-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:24
SDG:

Lab Sample ID: 1810065-016A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:46	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-6-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:24
SDG:

Lab Sample ID: 1810065-016A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	18:07	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	105		mg/Kg	10/12/18	18:07	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:07	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	25.5		mg/Kg	10/12/18	18:07	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	7.00		mg/Kg	10/12/18	18:07	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:07	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:07	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-6-1	Lab Sample ID:	1810065-016A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:24		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	10/9/18 11:04:00AM
Prep Batch ID:	1108486	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	5	270	500	ND		ug/Kg	10/10/18	19:22	mk	434987
Aroclor1221	SW8082A	5	25	500	ND		ug/Kg	10/10/18	19:22	mk	434987
Aroclor1232	SW8082A	5	85	500	ND		ug/Kg	10/10/18	19:22	mk	434987
Aroclor1242	SW8082A	5	15	500	ND		ug/Kg	10/10/18	19:22	mk	434987
Aroclor1248	SW8082A	5	10	500	ND		ug/Kg	10/10/18	19:22	mk	434987
Aroclor1254	SW8082A	5	10	500	ND		ug/Kg	10/10/18	19:22	mk	434987
Aroclor1260	SW8082A	5	180	500	ND		ug/Kg	10/10/18	19:22	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		125		%	10/10/18	19:22	mk	434987
DCBP (S)	SW8082A		48 - 135		70.0		%	10/10/18	19:22	mk	434987

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-6-1	Lab Sample ID:	1810065-016A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:24		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Batch ID: 1108484	Prep Analyst: MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
N-Nitrosdimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	10/10/18	20:57	MT	435038
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Bis(2-chloroethyl) ether	SW8270C	50	1.85	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
NMP	SW8270C	50	9.45	100	ND		mg/Kg	10/10/18	20:57	MT	435038
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	10/10/18	20:57	MT	435038
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-6-1	Lab Sample ID:	1810065-016A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:24		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	10/10/18	20:57	MT	435038
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	10/10/18	20:57	MT	435038
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	10/10/18	20:57	MT	435038
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
4-Chlorophenyl phenyl ether	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
4-Bromophenyl phenyl ether	SW8270C	50	1.14	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Benidine	SW8270C	50	20.4	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Benzyl butyl phthalate	SW8270C	50	2.92	100	ND		mg/Kg	10/10/18	20:57	MT	435038
Benz[a]anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	10/10/18	20:57	MT	435038
Di-n-octyl phthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Benzo[b]fluoranthene	SW8270C	50	1.67	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Benzo[k]fluoranthene	SW8270C	50	1.13	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Benzo[a]pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Indeno[1,2,3-cd]pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Dibenz[a,h]anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038
Benzo[g,h,i]perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	10/10/18	20:57	MT	435038

Acceptance Limits

2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	10/10/18	20:57	MT	435038
Phenol-d6 (S)	SW8270C		24 - 113	0.000	D	%	10/10/18	20:57	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-6-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:24
SDG:

Lab Sample ID: 1810065-016A
Sample Matrix: Soil

Prep Method: 3546_BNA
Prep Batch ID: 1108484

Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

2,4,6-Tribromophenol (S)	SW8270C		19 - 122		0.000	D	%	10/10/18	20:57	MT	435038
2-Fluorobiphenyl (S)	SW8270C		45 - 143		0.000	D	%	10/10/18	20:57	MT	435038
Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	10/10/18	20:57	MT	435038
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	10/10/18	20:57	MT	435038

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-6-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:24
SDG:

Lab Sample ID: 1810065-016A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	13:38	mk	434981
TPH as Motor Oil	SW8015B	4	130	400	1330		mg/Kg	10/11/18	13:38	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	13:38	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-6-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:24
SDG:

Lab Sample ID: 1810065-016A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	17:01	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		68.3		%	10/10/18	17:01	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-7-1	Lab Sample ID:	1810065-019A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:13		
SDG:			

Prep Method:	7471BP	Prep Batch Date/Time:	10/11/18	2:20:00PM
Prep Batch ID:	1108541	Prep Analyst:	VTSUI	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:48	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-7-1	Lab Sample ID:	1810065-019A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:13		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	10/11/18 2:40:00PM
Prep Batch ID:	1108542	Prep Analyst:	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	3.78		mg/Kg	10/12/18	18:10	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	85.0		mg/Kg	10/12/18	18:10	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:10	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	34.4		mg/Kg	10/12/18	18:10	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	6.75		mg/Kg	10/12/18	18:10	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:10	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:10	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-7-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:13
SDG:

Lab Sample ID: 1810065-019A
Sample Matrix: Soil

Prep Method: 3546_PCB
Prep Batch ID: 1108486

Prep Batch Date/Time: 10/9/18 11:04:00AM
Prep Analyst: MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	5	270	500	ND		ug/Kg	10/10/18	19:37	mk	434987
Aroclor1221	SW8082A	5	25	500	ND		ug/Kg	10/10/18	19:37	mk	434987
Aroclor1232	SW8082A	5	85	500	ND		ug/Kg	10/10/18	19:37	mk	434987
Aroclor1242	SW8082A	5	15	500	ND		ug/Kg	10/10/18	19:37	mk	434987
Aroclor1248	SW8082A	5	10	500	ND		ug/Kg	10/10/18	19:37	mk	434987
Aroclor1254	SW8082A	5	10	500	ND		ug/Kg	10/10/18	19:37	mk	434987
Aroclor1260	SW8082A	5	180	500	ND		ug/Kg	10/10/18	19:37	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		115		%	10/10/18	19:37	mk	434987
DCBP (S)	SW8082A		48 - 135		65.0		%	10/10/18	19:37	mk	434987

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-7-1	Lab Sample ID:	1810065-019A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:13		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

N-Nitrosdimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	10/10/18	21:25	MT	435038
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Bis(2-chloroethyl) ether	SW8270C	50	1.85	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
NMP	SW8270C	50	9.45	100	ND		mg/Kg	10/10/18	21:25	MT	435038
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	10/10/18	21:25	MT	435038
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-7-1	Lab Sample ID:	1810065-019A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:13		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	10/10/18	21:25	MT	435038
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	10/10/18	21:25	MT	435038
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	10/10/18	21:25	MT	435038
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
4-Chlorophenyl phenyl ether	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
4-Bromophenyl phenyl ether	SW8270C	50	1.14	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Benidine	SW8270C	50	20.4	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Benzyl butyl phthalate	SW8270C	50	2.92	100	ND		mg/Kg	10/10/18	21:25	MT	435038
Benz[a]anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	10/10/18	21:25	MT	435038
Di-n-octyl phthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Benzo[b]fluoranthene	SW8270C	50	1.67	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Benzo[k]fluoranthene	SW8270C	50	1.13	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Benzo[a]pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Indeno[1,2,3-cd]pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Dibenz[a,h]anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038
Benzo[g,h,i]perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	10/10/18	21:25	MT	435038

Acceptance Limits

2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	10/10/18	21:25	MT	435038
Phenol-d6 (S)	SW8270C		24 - 113	0.000	D	%	10/10/18	21:25	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-7-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:13
SDG:

Lab Sample ID: 1810065-019A
Sample Matrix: Soil

Prep Method: 3546_BNA
Prep Batch ID: 1108484

Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

2,4,6-Tribromophenol (S)	SW8270C		19 - 122		0.000	D	%	10/10/18	21:25	MT	435038
2-Fluorobiphenyl (S)	SW8270C		45 - 143		0.000	D	%	10/10/18	21:25	MT	435038
Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	10/10/18	21:25	MT	435038
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	10/10/18	21:25	MT	435038

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-7-1	Lab Sample ID:	1810065-019A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:13		
SDG:			

Prep Method:	3546_TPH	Prep Batch Date/Time:	10/10/18 4:52:00PM
Prep Batch ID:	1108504	Prep Analyst:	EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	5	43	100	113		mg/Kg	10/11/18	14:01	mk	434981
TPH as Motor Oil	SW8015B	5	160	500	2730		mg/Kg	10/11/18	14:01	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	14:01	mk	434981

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-7-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:13
SDG:

Lab Sample ID: 1810065-019A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	17:30	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		66.7		%	10/10/18	17:30	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-8-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:55
SDG:

Lab Sample ID: 1810065-022A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:50	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-8-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:55
SDG:

Lab Sample ID: 1810065-022A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	18:14	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	171		mg/Kg	10/12/18	18:14	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:14	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	28.4		mg/Kg	10/12/18	18:14	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	13.8		mg/Kg	10/12/18	18:14	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:14	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:14	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-8-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:55
SDG:

Lab Sample ID: 1810065-022A
Sample Matrix: Soil

Prep Method: 3546_PCB
Prep Batch ID: 1108486

Prep Batch Date/Time: 10/9/18 11:04:00AM
Prep Analyst: MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	5	270	500	ND		ug/Kg	10/10/18	19:52	mk	434987
Aroclor1221	SW8082A	5	25	500	ND		ug/Kg	10/10/18	19:52	mk	434987
Aroclor1232	SW8082A	5	85	500	ND		ug/Kg	10/10/18	19:52	mk	434987
Aroclor1242	SW8082A	5	15	500	ND		ug/Kg	10/10/18	19:52	mk	434987
Aroclor1248	SW8082A	5	10	500	ND		ug/Kg	10/10/18	19:52	mk	434987
Aroclor1254	SW8082A	5	10	500	ND		ug/Kg	10/10/18	19:52	mk	434987
Aroclor1260	SW8082A	5	180	500	ND		ug/Kg	10/10/18	19:52	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		110		%	10/10/18	19:52	mk	434987
DCBP (S)	SW8082A		48 - 135		60.0		%	10/10/18	19:52	mk	434987

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm

Date Reported: 10/16/18

Client Sample ID:	SB-8-1	Lab Sample ID:	1810065-022A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 8:55		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
N-Nitrosdimethylamine	SW8270C	50	6.51	100	ND		mg/Kg	10/10/18	21:53	MT	435038
Phenol	SW8270C	50	6.09	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Bis(2-chloroethyl) ether	SW8270C	50	1.85	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2-Chlorophenol	SW8270C	50	6.62	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
1,3-Dichlorobenzene	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
1,4-Dichlorobenzene	SW8270C	50	2.03	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Benzyl Alcohol	SW8270C	50	2.84	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
1,2-Dichlorobenzene	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2-Methylphenol (o-Cresol)	SW8270C	50	4.08	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
NMP	SW8270C	50	9.45	100	ND		mg/Kg	10/10/18	21:53	MT	435038
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	4.35	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
N-nitroso-di-n-propylamine	SW8270C	50	1.83	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Hexachloroethane	SW8270C	50	2.37	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Nitrobenzene	SW8270C	50	1.78	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Isophorone	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2-Nitrophenol	SW8270C	50	3.52	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,4-Dimethylphenol	SW8270C	50	3.17	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Benzoic Acid	SW8270C	50	5.79	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Bis(2-Chloroethoxy)methane	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Bis(2-chloroisopropyl)ether	SW8270C	50	1.75	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,4-Dichlorophenol	SW8270C	50	5.46	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
1,2,4-Trichlorobenzene	SW8270C	50	1.64	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Naphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,6-Dichlorophenol	SW8270C	50	4.97	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Hexachloro-1,3-butadiene	SW8270C	50	1.16	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
4-Chloro-3-methylphenol	SW8270C	50	4.69	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2-Methylnaphthalene	SW8270C	50	1.45	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
1-Methylnaphthalene	SW8270C	50	1.69	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Hexachlorocyclopentadiene	SW8270C	50	1.80	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,4,6-Trichlorophenol	SW8270C	50	4.99	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,4,5-Trichlorophenol	SW8270C	50	4.64	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2-Chloronaphthalene	SW8270C	50	1.47	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
1,4-Dinitrobenzene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Dimethyl phthalate	SW8270C	50	1.97	100	ND		mg/Kg	10/10/18	21:53	MT	435038
1,3-Dinitrobenzene	SW8270C	50	1.44	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Acenaphthylene	SW8270C	50	1.15	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,6-Dinitrotoluene	SW8270C	50	1.57	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
1,2-Dinitrobenzene	SW8270C	50	2.19	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-8-1	Lab Sample ID:	1810065-022A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 8:55		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	10/10/18 10:43:00AM
Prep Batch ID:	1108484	Prep Analyst:	MSAT

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

The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	1.48	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,4-Dinitrophenol	SW8270C	50	10.8	100	ND		mg/Kg	10/10/18	21:53	MT	435038
4-Nitrophenol	SW8270C	50	7.60	100	ND		mg/Kg	10/10/18	21:53	MT	435038
Dibenzofuran	SW8270C	50	1.56	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,4-Dinitrotoluene	SW8270C	50	1.68	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,3,5,6-Tetrachlorophenol	SW8270C	50	3.83	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
2,3,4,6-Tetrachlorophenol	SW8270C	50	4.37	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Diethylphthalate	SW8270C	50	1.89	100	ND		mg/Kg	10/10/18	21:53	MT	435038
Fluorene	SW8270C	50	1.43	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
4-Chlorophenyl phenyl ether	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
4,6-Dinitro-2-methylphenol	SW8270C	50	1.86	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Diphenylamine	SW8270C	50	1.81	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Azobenzene	SW8270C	50	15.8	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
4-Bromophenyl phenyl ether	SW8270C	50	1.14	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Hexachlorobenzene	SW8270C	50	1.20	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Pentachlorophenol	SW8270C	50	3.47	40.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Phenanthrene	SW8270C	50	1.29	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Anthracene	SW8270C	50	1.24	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Carbazole	SW8270C	50	1.49	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Di-n-butylphthalate	SW8270C	50	1.88	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Fluoranthene	SW8270C	50	1.39	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Benidine	SW8270C	50	20.4	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Pyrene	SW8270C	50	1.66	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Benzyl butyl phthalate	SW8270C	50	2.92	100	ND		mg/Kg	10/10/18	21:53	MT	435038
Benz[a]anthracene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
3,3-Dichlorobenzidine	SW8270C	50	16.3	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Chrysene	SW8270C	50	2.11	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Bis(2-Ethylhexyl)phthalate	SW8270C	50	2.13	100	ND		mg/Kg	10/10/18	21:53	MT	435038
Di-n-octyl phthalate	SW8270C	50	1.71	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Benzo[b]fluoranthene	SW8270C	50	1.67	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Benzo[k]fluoranthene	SW8270C	50	1.13	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Benzo[a]pyrene	SW8270C	50	1.36	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Indeno[1,2,3-cd]pyrene	SW8270C	50	1.92	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Dibenz[a,h]anthracene	SW8270C	50	1.76	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038
Benzo[g,h,i]perylene	SW8270C	50	2.31	20.0	ND		mg/Kg	10/10/18	21:53	MT	435038

Acceptance Limits

2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	10/10/18	21:53	MT	435038
Phenol-d6 (S)	SW8270C		24 - 113	0.000	D	%	10/10/18	21:53	MT	435038



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-8-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:55
SDG:

Lab Sample ID: 1810065-022A
Sample Matrix: Soil

Prep Method: 3546_BNA
Prep Batch ID: 1108484

Prep Batch Date/Time: 10/10/18 10:43:00AM
Prep Analyst: MSAT

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

The results shown below are reported using their MDL.

2,4,6-Tribromophenol (S)	SW8270C		19 - 122		0.000	D	%	10/10/18	21:53	MT	435038
2-Fluorobiphenyl (S)	SW8270C		45 - 143		0.000	D	%	10/10/18	21:53	MT	435038
Nitrobenzene-d5 (S)	SW8270C		23 - 120		0.000	D	%	10/10/18	21:53	MT	435038
p-Terphenyl-d14 (S)	SW8270C		18 - 137		0.000	D	%	10/10/18	21:53	MT	435038

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	SB-8-1	Lab Sample ID:	1810065-022A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 8:55		
SDG:			

Prep Method:	3546_TPH	Prep Batch Date/Time:	10/10/18 4:52:00PM
Prep Batch ID:	1108504	Prep Analyst:	EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	14:25	mk	434981
TPH as Motor Oil	SW8015B	4	130	400	1370		mg/Kg	10/11/18	14:25	mk	434981
			Acceptance Limits								
Pentacosane (S)	SW8015B		59	129	0.000	D	%	10/11/18	14:25	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: SB-8-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:55
SDG:

Lab Sample ID: 1810065-022A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	17:59	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		67.1		%	10/10/18	17:59	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-7-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:22
SDG:

Lab Sample ID: 1810065-025A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:52	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-7-1	Lab Sample ID:	1810065-025A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:22		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	10/11/18 2:40:00PM
Prep Batch ID:	1108542	Prep Analyst:	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	18:18	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	232		mg/Kg	10/12/18	18:18	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:18	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	26.9		mg/Kg	10/12/18	18:18	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	11.4		mg/Kg	10/12/18	18:18	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:18	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:18	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-7-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:22
SDG:

Lab Sample ID: 1810065-025A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	8.5	20	31.3	x	mg/Kg	10/11/18	15:59	mk	434981
TPH as Motor Oil	SW8015B	1	32	100	584		mg/Kg	10/11/18	15:59	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		84.7		%	10/11/18	15:59	mk	434981

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-7-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:22
SDG:

Lab Sample ID: 1810065-025A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	18:28	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		75.9		%	10/10/18	18:28	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-7-24
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 16:08
SDG:

Lab Sample ID: 1810065-032A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

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	10/11/18	1:59	mk	434981
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/11/18	1:59	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		76.0		%	10/11/18	1:59	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-7-24	Lab Sample ID:	1810065-032A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 16:08		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Batch ID: 1108533	Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	10/10/18	18:57	JF	434994
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	18:57	JF	434994
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:57	JF	434994
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	10/10/18	18:57	JF	434994
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	18:57	JF	434994
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:57	JF	434994
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	18:57	JF	434994
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	18:57	JF	434994
TAME	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	18:57	JF	434994
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-7-24	Lab Sample ID:	1810065-032A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 16:08		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Batch ID: 1108533	Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:57	JF	434994
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	10/10/18	18:57	JF	434994
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:57	JF	434994
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:57	JF	434994
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	18:57	JF	434994
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:57	JF	434994
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	18:57	JF	434994
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:57	JF	434994
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:57	JF	434994
(S) Dibromofluoromethane	SW8260B		59.8 - 148		99.5		%	10/10/18	18:57	JF	434994
(S) Toluene-d8	SW8260B		55.2 - 133		97.1		%	10/10/18	18:57	JF	434994
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		89.7		%	10/10/18	18:57	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-7-24
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 16:08
SDG:

Lab Sample ID: 1810065-032A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	18:57	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		75.6		%	10/10/18	18:57	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-8-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:08
SDG:

Lab Sample ID: 1810065-033A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:55	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-8-1	Lab Sample ID:	1810065-033A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:08		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	10/11/18 2:40:00PM
Prep Batch ID:	1108542	Prep Analyst:	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	3.94		mg/Kg	10/12/18	18:21	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	254		mg/Kg	10/12/18	18:21	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:21	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	37.1		mg/Kg	10/12/18	18:21	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	263		mg/Kg	10/12/18	18:21	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:21	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:21	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-8-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:08
SDG:

Lab Sample ID: 1810065-033A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	5.65	x	mg/Kg	10/11/18	2:23	mk	434981
TPH as Motor Oil	SW8015B	1	3.2	10	45.9		mg/Kg	10/11/18	2:23	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		71.3		%	10/11/18	2:23	mk	434981

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-8-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:08
SDG:

Lab Sample ID: 1810065-033A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108543

Prep Batch Date/Time: 10/10/18 10:01:00AM
Prep Analyst: JFORT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	19:27	JF	434994
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		65.6		%	10/10/18	19:27	JF	434994



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-8-18
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 14:21
SDG:

Lab Sample ID: 1810065-038A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108504

Prep Batch Date/Time: 10/10/18 4:52:00PM
Prep Analyst: EDORR

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	10/11/18	2:47	mk	434981
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/11/18	2:47	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		75.6		%	10/11/18	2:47	mk	434981



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-8-18	Lab Sample ID:	1810065-038A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 14:21		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/11/18 10:33:00AM
Prep Batch ID: 1108551	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	10/11/18	16:16	NP	435003
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	10/11/18	16:16	NP	435003
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	16:16	NP	435003
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	10/11/18	16:16	NP	435003
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	10/11/18	16:16	NP	435003
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	16:16	NP	435003
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	10/11/18	16:16	NP	435003
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	10/11/18	16:16	NP	435003
TAME	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	10/11/18	16:16	NP	435003
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-8-18
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 14:21
SDG:

Lab Sample ID: 1810065-038A
Sample Matrix: Soil

Prep Method: 5035
Prep Batch ID: 1108551

Prep Batch Date/Time: 10/11/18 10:33:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	16:16	NP	435003
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	10/11/18	16:16	NP	435003
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	16:16	NP	435003
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	16:16	NP	435003
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	10/11/18	16:16	NP	435003
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	16:16	NP	435003
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/11/18	16:16	NP	435003
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	16:16	NP	435003
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	16:16	NP	435003
(S) Dibromofluoromethane	SW8260B		59.8 - 148		126		%	10/11/18	16:16	NP	435003
(S) Toluene-d8	SW8260B		55.2 - 133		105		%	10/11/18	16:16	NP	435003
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		116		%	10/11/18	16:16	NP	435003



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-8-18	Lab Sample ID:	1810065-038A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 14:21		
SDG:			

Prep Method:	5035GRO	Prep Batch Date/Time:	10/11/18 9:33:00AM
Prep Batch ID:	1108552	Prep Analyst:	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/11/18	16:16	NP	435003
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		70.7		%	10/11/18	16:16	NP	435003



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-9-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:49
SDG:

Lab Sample ID: 1810065-039A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:57	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-9-1	Lab Sample ID:	1810065-039A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 8:49		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	10/11/18 2:40:00PM
Prep Batch ID:	1108542	Prep Analyst:	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	3.61		mg/Kg	10/12/18	18:25	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	122		mg/Kg	10/12/18	18:25	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:25	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	40.6		mg/Kg	10/12/18	18:25	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	121		mg/Kg	10/12/18	18:25	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:25	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:25	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-9-1	Lab Sample ID:	1810065-039A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 8:49		
SDG:			

Prep Method:	3546_TPH	Prep Batch Date/Time:	10/10/18 4:52:00PM
Prep Batch ID:	1108504	Prep Analyst:	EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	1.7	4.0	8.79	x	mg/Kg	10/11/18	11:17	mk	434981
TPH as Motor Oil	SW8015B	2	6.4	20	101		mg/Kg	10/11/18	11:17	mk	434981
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		92.3		%	10/11/18	11:17	mk	434981

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-9-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 8:49
SDG:

Lab Sample ID: 1810065-039A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108552

Prep Batch Date/Time: 10/11/18 9:33:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/11/18	15:41	NP	435003
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		61.0		%	10/11/18	15:41	NP	435003



MB Summary Report

Work Order:	1810065	Prep Method:	3546_BNA	Prep Date:	10/10/18	Prep Batch:	1108484
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	10/10/2018	Analytical Batch:	435038
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
N-Nitrosodimethylamine	46.9	720	ND	
Phenol	43.8	288	ND	
Bis(2-chloroethyl) ether	13.3	144	ND	
2-Chlorophenol	47.7	288	ND	
1,3-Dichlorobenzene	13.1	144	ND	
1,4-Dichlorobenzene	14.6	144	ND	
Benzyl Alcohol	20.5	288	ND	
1,2-Dichlorobenzene	13.5	144	ND	
2-Methylphenol (o-Cresol)	29.3	288	ND	
NMP	68.0	720	ND	
3-/4-Methylphenol (p-/m-Cresol)	31.3	288	ND	
N-nitroso-di-n-propylamine	13.2	144	ND	
Hexachloroethane	17.1	144	ND	
Nitrobenzene	12.8	144	ND	
Isophorone	12.2	144	ND	
2-Nitrophenol	25.4	288	ND	
2,4-Dimethylphenol	22.8	288	ND	
Benzoic Acid	41.7	288	ND	
Bis(2-Chloroethoxy)methane	9.79	144	ND	
Bis(2-chloroisopropyl)ether	12.6	144	ND	
2,4-Dichlorophenol	39.3	288	ND	
1,2,4-Trichlorobenzene	11.8	144	ND	
Naphthalene	10.6	144	ND	
2,6-Dichlorophenol	35.8	288	ND	
Hexachloro-1,3-butadiene	8.34	144	ND	
4-Chloro-3-methylphenol	33.8	288	ND	
2-Methylnaphthalene	10.4	144	ND	
1-Methylnaphthalene	12.2	144	ND	
Hexachlorocyclopentadiene	12.9	144	ND	
2,4,6-Trichlorophenol	35.9	288	ND	
2,4,5-Trichlorophenol	33.4	288	ND	
2-Chloronaphthalene	10.6	144	ND	
1,4-Dinitrobenzene	10.3	144	ND	
Dimethyl phthalate	14.2	720	ND	
1,3-Dinitrobenzene	10.4	144	ND	
Acenaphthylene	8.28	144	ND	
2,6-Dinitrotoluene	11.3	144	ND	
1,2-Dinitrobenzene	15.8	144	ND	
Acenaphthene	10.7	144	ND	
2,4-Dinitrophenol	77.6	720	ND	
4-Nitrophenol	54.7	720	ND	
Dibenzofuran	11.2	144	ND	
2,4-Dinitrotoluene	12.1	144	ND	
2,3,5,6-Tetrachlorophenol	27.6	288	ND	
2,3,4,6-Tetrachlorophenol	31.5	288	ND	



MB Summary Report

Work Order:	1810065	Prep Method:	3546_BNA	Prep Date:	10/10/18	Prep Batch:	1108484
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	10/10/2018	Analytical Batch:	435038
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Diethylphthalate	13.6	720	ND	
Fluorene	10.3	144	ND	
4-Chlorophenyl phenyl ether	9.32	144	ND	
4,6-Dinitro-2-methylphenol	13.4	288	ND	
Diphenylamine	13.0	144	ND	
Azobenzene	114	144	ND	
4-Bromophenyl phenyl ether	8.23	144	ND	
Hexachlorobenzene	8.66	144	ND	
Pentachlorophenol	25.0	288	ND	
Phenanthrene	9.32	144	ND	
Anthracene	8.91	144	ND	
Carbazole	10.7	144	ND	
Di-n-butylphthalate	13.5	144	ND	
Fluoranthene	10.0	144	ND	
Benzidine	147	144	ND	
Pyrene	12.0	144	ND	
Benzyl butyl phthalate	21.0	720	ND	
Benz[a]anthracene	9.80	144	ND	
3,3-Dichlorobenzidine	118	144	ND	
Chrysene	15.2	144	ND	
Bis(2-Ethylhexyl)phthalate	15.3	720	ND	
Di-n-octyl phthalate	12.3	144	ND	
Benzo[b]fluoranthene	12.0	144	ND	
Benzo[k]fluoranthene	8.16	144	ND	
Benzo[a]pyrene	9.80	144	ND	
Indeno[1,2,3-cd]pyrene	13.8	144	ND	
Dibenz[a,h]anthracene	12.7	144	ND	
Benzo[g,h,i]perylene	12.7	144	ND	
2-Fluorophenol (S)			79.3	
Phenol-d6 (S)			74.3	
2,4,6-Tribromophenol (S)			89.4	
2-Fluorobiphenyl (S)			78.2	
Nitrobenzene-d5 (S)			75.5	
p-Terphenyl-d14 (S)			85.0	



MB Summary Report

Work Order:	1810065	Prep Method:	3546_PCB	Prep Date:	10/09/18	Prep Batch:	1108486
Matrix:	Soil	Analytical Method:	SW8082A	Analyzed Date:	10/9/2018	Analytical Batch:	434986
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	53	100	ND	
Aroclor1221	5.0	100	ND	
Aroclor1232	17	100	ND	
Aroclor1242	3.0	100	ND	
Aroclor1248	2.0	100	ND	
Aroclor1254	2.0	100	ND	
Aroclor1260	36	100	ND	
TCMX (S)			95.0	
DCBP (S)			92.0	

Work Order:	1810065	Prep Method:	3546_TPH	Prep Date:	10/10/18	Prep Batch:	1108504
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	10/10/2018	Analytical Batch:	434981
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)			72.8	



MB Summary Report

Work Order:	1810065	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108533
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434994
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	4.0	
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	
tert-Butanol	12	50	ND	
Diisopropyl ether (DIPE)	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
ETBE	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	
Tetrachloroethylene	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	
Ethyl Benzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	



MB Summary Report

Work Order:	1810065	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108533
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434994
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	9.0	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	1.7	10	6.0	
(S) Dibromofluoromethane			99.6	
(S) Toluene-d8			96.5	
(S) 4-Bromofluorobenzene			95.5	

Work Order:	1810065	Prep Method:	7471BP	Prep Date:	10/11/18	Prep Batch:	1108541
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	10/12/2018	Analytical Batch:	435012
Units:	mg/Kg						

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



MB Summary Report

Work Order:	1810065	Prep Method:	3050B	Prep Date:	10/11/18	Prep Batch:	1108542
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	10/12/2018	Analytical Batch:	435029
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	0.31	
Barium	0.055	5.00	0.062	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	ND	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	1.30	ND	
Molybdenum	0.050	5.00	0.28	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.20	5.00	ND	
Vanadium	0.10	5.00	0.31	
Zinc	0.30	5.00	ND	

Work Order:	1810065	Prep Method:	5035GRO	Prep Date:	10/10/18	Prep Batch:	1108543
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434994
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	46	
(S) 4-Bromofluorobenzene			95.6	



MB Summary Report

Work Order:	1810065	Prep Method:	5035	Prep Date:	10/11/18	Prep Batch:	1108551
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
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	
tert-Butanol	12	50	ND	
Diisopropyl ether (DIPE)	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
ETBE	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	
Tetrachloroethylene	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	
Ethyl Benzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	



MB Summary Report

Work Order:	1810065	Prep Method:	5035	Prep Date:	10/11/18	Prep Batch:	1108551
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	1.4	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	1.5	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	2.0	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	2.0	
1,2,4-Trichlorobenzene	1.5	10	3.2	
Naphthalene	1.7	10	4.9	
1,2,3-Trichlorobenzene	1.7	10	4.2	
2-Butanone	1.7	10	ND	
(S) Dibromofluoromethane			118	
(S) Toluene-d8			101	
(S) 4-Bromofluorobenzene			109	

Work Order:	1810065	Prep Method:	5035GRO	Prep Date:	10/11/18	Prep Batch:	1108552
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	54	
(S) 4-Bromofluorobenzene			88.0	



LCS/LCSD Summary Report

Raw values are used in quality control assessment

Work Order:	1810065	Prep Method:	3546_BNA	Prep Date:	10/10/18	Prep Batch:	1108484
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	10/10/2018	Analytical Batch:	435038
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	43.8	288	ND	1600	69.4	71.0	2.67	40 - 100	30	
2-Chlorophenol	47.7	288	ND	1600	68.2	71.1	4.48	45 - 105	30	
1,4-Dichlorobenzene	14.6	144	ND	800	64.4	65.8	2.11	35 - 105	30	
N-nitroso-di-n-propylamine	183	2000	ND	1600	72.2	74.0	2.58	40 - 115	30	
1,2,4-Trichlorobenzene	164	2000	ND	800	63.4	61.5	3.00	45 - 110	30	
4-Chloro-3-methylphenol	469	4000	ND	1600	71.0	74.7	5.13	45 - 110	30	
Acenaphthene	148	2000	ND	800	69.1	66.9	3.31	45 - 110	30	
4-Nitrophenol	760	10000	ND	1600	76.5	81.2	6.35	15 - 140	30	
2,4-Dinitrotoluene	168	2000	ND	800	77.0	79.1	2.72	50 - 115	30	
Pentachlorophenol	129	2000	ND	1600	66.5	72.6	9.01	25 - 120	30	
Pyrene	166	2000		800	73.9	77.1	4.30	45 - 145	30	
2-Fluorophenol (S)				22200	75.7	77.2		25 - 121		
Phenol-d6 (S)				22200	75.1	76.9		24 - 113		
2,4,6-Tribromophenol (S)				22200	92.8	92.6		19 - 122		
2-Fluorobiphenyl (S)				11100	76.4	74.5		30 - 143		
Nitrobenzene-d5 (S)				11100	74.7	74.8		23 - 120		
p-Terphenyl-d14 (S)				11100	81.5	86.4		18 - 137		

Work Order:	1810065	Prep Method:	3546_PCB	Prep Date:	10/09/18	Prep Batch:	1108486
Matrix:	Soil	Analytical Method:	SW8082A	Analyzed Date:	10/9/2018	Analytical Batch:	434986
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53	100	ND	600	120	117	2.54	25 - 145	30	
Aroclor1260	36	100	ND	600	93.7	94.0	0.355	30 - 145	30	
TCMX (S)				0.10	92.0	90.0		48 - 125		
DCBP (S)				0.10	92.0	95.0		48 - 135		

Work Order:	1810065	Prep Method:	3546_TPH	Prep Date:	10/10/18	Prep Batch:	1108504
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	10/11/2018	Analytical Batch:	434981
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	58.3	56.3	3.48	52 - 115	30	
Pentacosane (S)				200	72.6	70.3		59 - 129		



LCS/LCSD Summary Report

Raw values are used in quality control assessments

Work Order:	1810065	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108533
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434994
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	81.6	85.3	4.32	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	85.1	87.5	3.01	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	105	109	3.75	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	105	103	1.34	56.8 - 134	30	
Chlorobenzene	1.8	10	4.0	50.0	107	106	0.562	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	101	107		59.8 - 148		
(S) Toluene-d8				50.0	102	102		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	98.8	99.5		55.8 - 141		

Work Order:	1810065	Prep Method:	7471BP	Prep Date:	10/11/18	Prep Batch:	1108541
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	10/12/2018	Analytical Batch:	435012
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	95.4	94.8	0.000	80 - 120	30	

Work Order:	1810065	Prep Method:	3050B	Prep Date:	10/11/18	Prep Batch:	1108542
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	10/12/2018	Analytical Batch:	435029
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	95.3	107	11.5	80 - 120	30	
Arsenic	0.15	1.30	0.31	50	97.3	110	12.2	80 - 120	30	
Barium	0.055	5.00	0.062	50	97.5	110	11.9	80 - 120	30	
Beryllium	0.055	5.00	ND	50	96.9	109	11.7	80 - 120	30	
Cadmium	0.10	5.00	ND	50	97.6	110	11.9	80 - 120	30	
Chromium	0.075	5.00	ND	50	99.4	113	12.8	80 - 120	30	
Cobalt	0.070	5.00	ND	50	98.5	112	12.7	80 - 120	30	
Copper	0.20	5.00	ND	50	99.7	113	12.4	80 - 120	30	
Lead	0.10	3.00	ND	50	98.4	111	12.0	80 - 120	30	
Molybdenum	0.050	5.00	0.28	50	101	114	12.1	80 - 120	30	
Nickel	0.50	5.00	ND	50	98.2	111	12.2	80 - 120	30	
Selenium	0.22	5.00	ND	50	88.0	99.1	12.0	80 - 120	30	
Silver	0.15	5.00	ND	50	94.1	106	11.8	80 - 120	30	
Thallium	0.20	5.00	ND	50	96.5	108	11.1	80 - 120	30	
Vanadium	0.10	5.00	0.31	50	100	114	13.1	80 - 120	30	
Zinc	0.30	5.00	ND	50	92.8	105	12.3	80 - 120	30	



LCS/LCSD Summary Report

Raw values are used in quality control assessments

Work Order:	1810065	Prep Method:	5035GRO	Prep Date:	10/10/18	Prep Batch:	1108543
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434994
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(Gasoline)	43	100	46	1000	94.1	98.2	4.26	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	92.0	91.6		43.9 - 127		

Work Order:	1810065	Prep Method:	5035	Prep Date:	10/11/18	Prep Batch:	1108551
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
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	94.1	103	8.94	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	107	120	10.7	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	88.2	93.0	5.30	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	94.7	99.0	4.55	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	97.8	104	6.34	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	107	120		59.8 - 148		
(S) Toluene-d8				50.0	96.8	101		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	97.1	99.7		55.8 - 141		

Work Order:	1810065	Prep Method:	5035GRO	Prep Date:	10/11/18	Prep Batch:	1108552
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
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(Gasoline)	43	100	54	1000	88.6	87.9	0.793	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	88.0	85.8		43.9 - 127		



MS/MSD Summary Report

Raw values are used in quality control assessment

Work Order:	1810065	Prep Method:	7471BP	Prep Date:	10/11/18	Prep Batch:	1108541
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	10/12/2018	Analytical Batch:	435012
Spiked Sample:	1810065-001A						
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	75.4	81.7	7.31	75 - 125	30	

Work Order:	1810065	Prep Method:	3050B	Prep Date:	10/11/18	Prep Batch:	1108542
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	10/12/2018	Analytical Batch:	435029
Spiked Sample:	1810065-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.15	1.30	2.32	50	106	96.4	9.43	71.0 - 121	30	
Barium	0.055	5.00	140	50	53.0	7.00	14.8	70.2 - 130	30	S
Cadmium	0.10	5.00	ND	50	95.4	88.7	7.34	80.0 - 110	30	
Chromium	0.075	5.00	25.0	50	114	89.0	16.5	76.0 - 116	30	
Lead	0.10	3.00	6.15	50	97.7	87.6	9.52	57.9 - 118	30	
Selenium	0.22	5.00	ND	50	94.9	86.4	9.48	62.0 - 111	30	
Silver	0.15	5.00	ND	50	110	101	8.53	81.1 - 109	30	S

Work Order:	1810065	Prep Method:	5035	Prep Date:	10/11/18	Prep Batch:	1108551
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
Spiked Sample:	1810065-038A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50	107	107	0.000	55 - 125	30	
Benzene	2.2	10	ND	50	122	121	0.658	55 - 125	30	
Trichloroethylene	1.8	10	ND	50	91.1	91.4	0.439	55 - 125	30	
Toluene	1.8	10	ND	50	96.1	97.6	1.44	55 - 125	30	
Chlorobenzene	1.8	10	ND	50	99.7	100	0.200	55 - 125	30	
(S) Dibromofluoromethane				50	121	122		59.8 - 148		
(S) Toluene-d8				50	97.9	98.7		55.2 - 133		
(S) 4-Bromofluorobenzene				50	97.8	102		55.8 - 141		



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:

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



Sample Receipt Checklist

Client Name: AEI Consultants

Project Name: San Mateo

Work Order No.: 1810065

Date and Time Received: 10/9/2018 4:45:00PM

Received By: Navin Ghodasara

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: First Courier

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Yes Temperature: 7.0 °C
Water-VOA vials have zero headspace? No VOA vials submitted
Water-pH acceptable upon receipt? N/A
pH Checked by: N/A pH Adjusted by: N/A

Comments:

Soil depth discrepancy for sample collected 10/8/18@1411:ID=B-8-12 per CoC, ID=B-8-8 per sleeve; ID for -036A logged in per sleeve.
Soil depth discrepancy for sample collected 10/8/18@1412:ID=B-8-16 per CoC, ID=B-8-12 per sleeve; ID for -037A logged in per sleeve.



Login Summary Report

Client ID: TL5781 AEI Consultants

QC Level: II

Project Name: San Mateo

TAT Requested: 5+ day:5

Project # : 391622

Date Received: 10/9/2018

Report Due Date: 10/16/2018

Time Received: 4:45 pm

Comments:

Work Order # : 1810065

<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>Subt</u>
1810065-001A	SB-1-1	10/08/18 9:42	Soil	04/06/19			SVO_S_8270CFull Met_S_6010B CAM17 PCBs_S_8082A Hg_S_7471B VOC_S_GRO TPHDO_S_8015(Mod)	
Sample Note: TPHg; TPHd/mo; SVOCs; PCBs; RCRA8								
1810065-002A	SB-1-2	10/08/18 9:45	Soil	04/06/19				
1810065-003A	SB-1-4	10/08/18 9:40	Soil	04/06/19			Hold Samples	
1810065-004A	SB-2-1	10/08/18 9:56	Soil	04/06/19			Hold Samples	
							SVO_S_8270CFull Met_S_6010B CAM17 TPHDO_S_8015(Mod) PCBs_S_8082A Hg_S_7471B VOC_S_GRO	
1810065-005A	SB-2-2	10/08/18 9:58	Soil	04/06/19			Hold Samples	
1810065-006A	SB-2-4	10/08/18 9:53	Soil	04/06/19			Hold Samples	
1810065-007A	SB-3-1	10/08/18 9:03	Soil	04/06/19			Hold Samples	
							SVO_S_8270CFull Met_S_6010B CAM17 TPHDO_S_8015(Mod) PCBs_S_8082A Hg_S_7471B VOC_S_GRO	
1810065-008A	SB-3-2	10/08/18 9:05	Soil	04/06/19			Hold Samples	
1810065-009A	SB-3-4	10/08/18 9:01	Soil	04/06/19			Hold Samples	
1810065-010A	SB-4-1	10/08/18 8:43	Soil	04/06/19			Hold Samples	
							SVO_S_8270CFull Met_S_6010B CAM17 TPHDO_S_8015(Mod)	



Login Summary Report

Client ID: TL5781 AEI Consultants
Project Name: San Mateo
Project # : 391622
Report Due Date: 10/16/2018

QC Level: II
TAT Requested: 5+ day:5
Date Received: 10/9/2018
Time Received: 4:45 pm

Comments:

Work Order # : 1810065

<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>Subt</u>
1810065-011A	SB-4-2	10/08/18 8:45	Soil	04/06/19			PCBs_S_8082A Hg_S_7471B VOC_S_GRO	
1810065-012A	SB-4-4	10/08/18 8:39	Soil	04/06/19			Hold Samples	
1810065-013A	SB-5-1	10/08/18 9:33	Soil	04/06/19			Hold Samples	
1810065-014A	SB-5-2	10/08/18 9:35	Soil	04/06/19			SVO_S_8270CFull Met_S_6010B CAM17 TPHDO_S_8015(Mod) PCBs_S_8082A Hg_S_7471B VOC_S_GRO	
1810065-015A	SB-5-4	10/08/18 9:31	Soil	04/06/19			Hold Samples	
1810065-016A	SB-6-1	10/08/18 9:24	Soil	04/06/19			Hold Samples	
1810065-017A	SB-6-2	10/08/18 9:26	Soil	04/06/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) PCBs_S_8082A Hg_S_7471B VOC_S_GRO SVO_S_8270CFull	
1810065-018A	SB-6-4	10/08/18 9:22	Soil	04/06/19			Hold Samples	
1810065-019A	SB-7-1	10/08/18 9:13	Soil	04/06/19			Hold Samples	
1810065-020A	SB-7-2	10/08/18 9:16	Soil	04/06/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) PCBs_S_8082A Hg_S_7471B VOC_S_GRO SVO_S_8270CFull	
1810065-021A	SB-7-4	10/08/18 9:11	Soil	04/06/19			Hold Samples	



Login Summary Report

Client ID: TL5781 AEI Consultants
Project Name: San Mateo
Project # : 391622
Report Due Date: 10/16/2018

QC Level: II
TAT Requested: 5+ day:5
Date Received: 10/9/2018
Time Received: 4:45 pm

Comments:

Work Order # : **1810065**

<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>Subt</u>
1810065-022A	SB-8-1	10/08/18 8:55	Soil	04/06/19			Hold Samples Met_S_6010B CAM17 TPHDO_S_8015(Mod) PCBs_S_8082A Hg_S_7471B VOC_S_GRO SVO_S_8270CFull	
1810065-023A	SB-8-2	10/08/18 8:56	Soil	04/06/19			Hold Samples	
1810065-024A	SB-8-4	10/08/18 8:52	Soil	04/06/19			Hold Samples	
1810065-025A	B-7-1	10/08/18 9:22	Soil	04/06/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B VOC_S_GRO	
1810065-026A	B-7-2	10/08/18 9:23	Soil	04/06/19			Hold Samples	
1810065-027A	B-7-5	10/08/18 9:18	Soil	04/06/19			Hold Samples	
1810065-028A	B-7-8	10/08/18 15:56	Soil	04/06/19			Hold Samples	
1810065-029A	B-7-12	10/08/18 15:54	Soil	04/06/19			Hold Samples	
1810065-030A	B-7-16	10/08/18 15:52	Soil	04/06/19			Hold Samples	
1810065-031A	B-7-20	10/08/18 16:05	Soil	04/06/19			Hold Samples	
1810065-032A	B-7-24	10/08/18 16:08	Soil	04/06/19			VOC_S_GRO TPHDO_S_8015(Mod) VOC_S_8260B	
1810065-033A	B-8-1	10/08/18 9:08	Soil	04/06/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B VOC_S_GRO	



Login Summary Report

Client ID: TL5781 AEI Consultants
Project Name: San Mateo
Project # : 391622
Report Due Date: 10/16/2018

QC Level: II
TAT Requested: 5+ day:5
Date Received: 10/9/2018
Time Received: 4:45 pm

Comments:

Work Order # : **1810065**

<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>Subt</u>
1810065-034A	B-8-2	10/08/18 9:10	Soil	04/06/19			Hold Samples	
1810065-035A	B-8-5	10/08/18 9:05	Soil	04/06/19			Hold Samples	
1810065-036A	B-8-8	10/08/18 14:11	Soil	04/06/19			Hold Samples	
1810065-037A	B-8-12	10/08/18 14:12	Soil	04/06/19			Hold Samples	
1810065-038A	B-8-18	10/08/18 14:21	Soil	04/06/19			VOC_S_GRO TPHDO_S_8015(Mod) VOC_S_8260B	
1810065-039A	B-9-1	10/08/18 8:49	Soil	04/06/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B VOC_S_GRO	
1810065-040A	B-9-2	10/08/18 8:51	Soil	04/06/19			Hold Samples	



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

RESET

CHAIN OF CUSTODY

LAB WORK ORDER NO

1810065

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

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000 FAX: 925-746-6099					
REPORT TO: Melanie Wong		SAMPLER: Ariel Kittredge	P.O. #: 174640		EMAIL: mwong@aeiconsultants.com

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

ANALYSIS
REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	Hold	REMARKS
001A	SB-1-1	10/8/18 0942	Soil	1		X		X	X	X		
002A	SB-1-2	10/8/18 0945									X	
003A	SB-1-4	10/8/18 0940									X	
004A	SB-2-1	10/8/18 0956				X		X	X	X		
005A	SB-2-2	10/8/18 0958									X	
006A	SB-2-4	10/8/18 0953									X	
007A	SB-3-1	10/8/18 0903				X		X	X	X		
008A	SB-3-2	10/8/18 0905									X	
009A	SB-3-4	10/8/18 0901									X	
010A	SB-4-1	10/8/18 0843				X		X	X	X		Temp. 7°C #2

1 Relinquished By: <u>Ariel Kittredge</u>	Print: <u>Ariel Kittredge</u>	Date: <u>10/9/18</u>	Time: <u>1515</u>	Received By: <u>NAVIN G</u>	Print: <u>NAVIN G</u>	Date: <u>10/9</u>	Time: <u>7:15</u>
2 Relinquished By: <u>NAVIN G</u>	Print: <u>NAVIN G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.M.</u>	Received By: <u>NAVIN G</u>	Print: <u>NAVIN G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.M.</u>

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

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

Page 1 of 11

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____



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

CHAIN OF CUSTODY

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

LAB WORK ORDER NO

1810065

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000 FAX: 925-746-6099					
REPORT TO: Melanie Wong		SAMPLER: Ariel Kittredge	P.O. #: 174640		EMAIL: mwong@aeiconsultants.com

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

TPH multi 8015M

VOCs 8260B

SVOCs 8270C

PCBs 8082

RCRA 8 Metals

Hold

ANALYSIS
REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	REMARKS
011A	SB-4-2	10/8/18 0845	Soil	1						X	
012A	SB-4-4	10/8/18 0839								X	
013A	SB-5-1	10/8/18 0933				X	X	X	X		
014A	SB-5-2	10/8/18 0935								X	
015A	SB-5-4	10/8/18 0931								X	
016A	SB-6-1	10/8/18 0924				X	X	X	X		
017A	SB-6-2	10/8/18 0926								X	
018A	SB-6-4	10/8/18 0922								X	
019A	SB-7-1	10/8/18 0913				X	X	X	X		
020A	SB-7-2	10/8/18 0916								X	

1 Relinquished By: <u>Ariel Kittredge</u>	Print: <u>Ariel Kittredge</u>	Date: <u>10/9/18</u>	Time: <u>1515</u>	Received By: <u>NAVIN S</u>	Print: <u>NAVIN S</u>	Date: <u>10/9/18</u>	Time: <u>7:15</u>
2 Relinquished By: <u>[Signature]</u>	Print: <u>[Signature]</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.m.</u>	Received By: <u>[Signature]</u>	Print: <u>NAVIN S</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.m.</u>

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

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

Page 2 of 11

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____



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

RESET

CHAIN OF CUSTODY

LAB WORK ORDER NO

1810065

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

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000 FAX: 925-746-6099					
REPORT TO: Melanie Wong SAMPLER: Ariel Kittredge			P.O. #: 174640 EMAIL: mwong@aeiconsultants.com		

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

ANALYSIS
REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	REMARKS
021A	SB-7-4	10/8/18 0911	Soil	1						X	
022A	SB-B-1	10/8/18 0855				X		X	X	X	
023A	SB-8-2	10/8/18 0856								X	
024A	SB-8-4	10/8/18 0852								X	
025A	SB-B-7-1	10/8/18 0922				X				X	
026A	B-7-2	10/8/18 0923								X	
027A	B-7-5	10/8/18 0918								X	
028A	B-7-8	10/8/18 1554								X	
029A	B-7-12	10/8/18 1554								X	
030A	B-7-16	10/8/18 1552								X	

1 Relinquished By: <u>Ariel Kittredge</u> Print: <u>Ariel Kittredge</u> Date: <u>10/9/18</u> Time: <u>1:15</u>	Received By: <u>NAVIN G.</u> Print: <u>NAVIN G.</u> Date: <u>10/9</u> Time: <u>7:15</u>
2 Relinquished By: <u>NAVIN G.</u> Print: <u>NAVIN G.</u> Date: <u>10/9/18</u> Time: <u>4:45 PM</u>	Received By: <u>NAVIN G.</u> Print: <u>NAVIN G.</u> Date: <u>10/9/18</u> Time: <u>4:45 PM</u>

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

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

Page 3 of 11

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____



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

RESET

CHAIN OF CUSTODY

LAB WORK ORDER NO

1810065

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

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000 FAX: 925-746-6099					
REPORT TO: Melanie Wong SAMPLER: Ariel Kittredge			P.O. #: 174640 EMAIL: mwong@aeiconsultants.com		

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

ANALYSIS
REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	Hold	REMARKS
031A	B-7-20	10/8/18 1605	Soil	1							X	
032A	B-7-24	10/8/18 1608				X	X					
033A	B-8-1	10/8/18 0908				X				X		
034A	B-8-2	10/8/18 0910								X		
035A	B-8-5	10/8/18 0905								X		
036A	B-8-12	10/8/18 1411								X		
037A	B-8-16	10/8/18 1412								X		
038A	B-8-18	10/8/18 1421				X	X					Temp. 7°C #2
039A	B-9-1	10/8/18 0849				X				X		
040A	B-9-2	10/8/18 0851								X		

Relinquished By:	Print: Ariel Kittredge	Date: 10/9/18	Time: 1515	Received By:	Print: NAVIN G	Date: 10/9/18	Time: 4:45 P.M.
2 Relinquished By:	Print: NAVIN G	Date: 10/9/18	Time: 4:45 P.M.	Received By:	Print: NAVIN G	Date: 10/9/18	Time: 4:45 P.M.

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

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

Page **4** of **11**

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____



AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94597
Tel: 925-746-6048
RE: San Mateo

Work Order No.: 1810067

Dear Melanie Wong:

Torrent Laboratory, Inc. received 46 sample(s) on October 09, 2018 for the analyses presented in the following Report.

Per Chain of Custody instructions, 33 samples were placed on hold.

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, flowing style.

Kathie Evans
Project Manager

October 16, 2018

Date



Date: 10/16/2018

Client: AEI Consultants

Project: San Mateo

Work Order: 1810067

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 Analytical, Inc.

DRAFT



Sample Result Summary

Report prepared for: Melanie Wong
AEI Consultants

Date Received: 10/09/18

Date Reported: 10/16/18

B-9-20

1810067-005

Parameters:

Analysis
Method

DF

MDL

PQL

Results

Unit

All compounds were non-detectable for this sample.

B-10-1

1810067-006

Parameters:

Analysis
Method

DF

MDL

PQL

Results

Unit

Barium

SW6010B

1

0.055

5.00

138

mg/Kg

Chromium

SW6010B

1

0.075

5.00

54.0

mg/Kg

Lead

SW6010B

1

0.10

1.30

7.95

mg/Kg

TPH as Diesel

SW8015B

1

0.85

2.0

2.58

mg/Kg

B-10-20

1810067-012

Parameters:

Analysis
Method

DF

MDL

PQL

Results

Unit

All compounds were non-detectable for this sample.

B-11-1

1810067-013

Parameters:

Analysis
Method

DF

MDL

PQL

Results

Unit

Barium

SW6010B

1

0.055

5.00

93.0

mg/Kg

Chromium

SW6010B

1

0.075

5.00

17.0

mg/Kg

Lead

SW6010B

1

0.10

1.30

11.1

mg/Kg

TPH as Motor Oil

SW8015B

4

130

400

1960

mg/Kg

B-11-20

1810067-019

Parameters:

Analysis
Method

DF

MDL

PQL

Results

Unit

TPH as Diesel

SW8015B

1

0.85

2.0

7.76

mg/Kg

B-12-1

1810067-020

Parameters:

Analysis
Method

DF

MDL

PQL

Results

Unit

Barium

SW6010B

1

0.055

5.00

86.0

mg/Kg

Chromium

SW6010B

1

0.075

5.00

53.5

mg/Kg

Lead

SW6010B

1

0.10

1.30

5.40

mg/Kg

TPH as Diesel

SW8015B

1

0.85

2.0

11.2

mg/Kg

TPH as Motor Oil

SW8015B

1

3.2

10

19.0

mg/Kg

B-12-20

1810067-026

Parameters:

Analysis
Method

DF

MDL

PQL

Results

Unit

All compounds were non-detectable for this sample.



Sample Result Summary

Report prepared for: Melanie Wong
AEI Consultants

Date Received: 10/09/18

Date Reported: 10/16/18

B-13-1

1810067-027

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	3.00	4.55	mg/Kg
Barium	SW6010B	1	0.055	5.00	154	mg/Kg
Chromium	SW6010B	1	0.075	5.00	37.0	mg/Kg
Lead	SW6010B	1	0.10	1.30	135	mg/Kg

B-14-1

1810067-030

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	3.00	3.40	mg/Kg
Barium	SW6010B	1	0.055	5.00	119	mg/Kg
Chromium	SW6010B	1	0.075	5.00	28.1	mg/Kg
Lead	SW6010B	1	0.10	1.30	7.30	mg/Kg
TPH as Motor Oil	SW8015B	4	130	400	1340	mg/Kg

B-14-20

1810067-036

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH as Diesel	SW8015B	1	0.85	2.0	3.02	mg/Kg
TPH as Motor Oil	SW8015B	1	3.2	10	13.2	mg/Kg

B-15-1

1810067-037

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Arsenic	SW6010B	1	0.15	3.00	3.53	mg/Kg
Barium	SW6010B	1	0.055	5.00	121	mg/Kg
Chromium	SW6010B	1	0.075	5.00	45.7	mg/Kg
Lead	SW6010B	1	0.10	1.30	53.5	mg/Kg

B-16-1

1810067-040

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Barium	SW6010B	1	0.055	5.00	94.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	65.5	mg/Kg
Lead	SW6010B	1	0.10	1.30	5.90	mg/Kg
TPH as Diesel	SW8015B	1	0.85	2.0	2.60	mg/Kg

B-16-20

1810067-046

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

All compounds were non-detectable for this sample.



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-9-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 15:55
SDG:

Lab Sample ID: 1810067-005A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108503

Prep Batch Date/Time: 10/9/18 4:50:00PM
Prep Analyst: EDORR

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	10/10/18	20:54	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/10/18	20:54	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		75.3		%	10/10/18	20:54	mk	434980



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm

Date Reported: 10/16/18

Client Sample ID:	B-9-20	Lab Sample ID:	1810067-005A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 15:55		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	10/10/18 10:13:00AM
Prep Batch ID:	1108517	Prep Analyst:	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	10/10/18	13:12	JF	434976
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	13:12	JF	434976
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	13:12	JF	434976
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	10/10/18	13:12	JF	434976
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	13:12	JF	434976
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	13:12	JF	434976
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	13:12	JF	434976
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	13:12	JF	434976
TAME	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	13:12	JF	434976
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-9-20	Lab Sample ID:	1810067-005A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 15:55		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Batch ID: 1108517	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	13:12	JF	434976
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	10/10/18	13:12	JF	434976
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	13:12	JF	434976
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	13:12	JF	434976
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	13:12	JF	434976
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	13:12	JF	434976
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	13:12	JF	434976
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	13:12	JF	434976
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	13:12	JF	434976
(S) Dibromofluoromethane	SW8260B		59.8 - 148		118		%	10/10/18	13:12	JF	434976
(S) Toluene-d8	SW8260B		55.2 - 133		101		%	10/10/18	13:12	JF	434976
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		107		%	10/10/18	13:12	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-9-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 15:55
SDG:

Lab Sample ID: 1810067-005A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	13:12	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		78.4		%	10/10/18	13:12	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-10-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:38
SDG:

Lab Sample ID: 1810067-006A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	13:59	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-10-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:38
SDG:

Lab Sample ID: 1810067-006A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	18:28	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	138		mg/Kg	10/12/18	18:28	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:28	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	54.0		mg/Kg	10/12/18	18:28	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	7.95		mg/Kg	10/12/18	18:28	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:28	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:28	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-10-1	Lab Sample ID:	1810067-006A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:38		
SDG:			

Prep Method:	3546_TPH	Prep Batch Date/Time:	10/9/18 4:50:00PM
Prep Batch ID:	1108503	Prep Analyst:	EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	2.58	x	mg/Kg	10/10/18	21:17	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/10/18	21:17	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		75.0		%	10/10/18	21:17	mk	434980

NOTE: x-presence of discrete peaks not typical of diesel pattern



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-10-1	Lab Sample ID:	1810067-006A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 9:38		
SDG:			

Prep Method:	5035GRO	Prep Batch Date/Time:	10/10/18 10:13:00AM
Prep Batch ID:	1108518	Prep Analyst:	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	13:48	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		77.7		%	10/10/18	13:48	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-10-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 12:56
SDG:

Lab Sample ID: 1810067-012A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108503

Prep Batch Date/Time: 10/9/18 4:50:00PM
Prep Analyst: EDORR

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	10/10/18	21:41	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/10/18	21:41	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		67.3		%	10/10/18	21:41	mk	434980



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm

Date Reported: 10/16/18

Client Sample ID: B-10-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 12:56
SDG:

Lab Sample ID: 1810067-012A
Sample Matrix: Soil

Prep Method: 5035
Prep Batch ID: 1108517

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	10/10/18	14:23	JF	434976
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	14:23	JF	434976
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	14:23	JF	434976
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	10/10/18	14:23	JF	434976
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	14:23	JF	434976
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	14:23	JF	434976
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	14:23	JF	434976
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	14:23	JF	434976
TAME	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	14:23	JF	434976
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-10-20	Lab Sample ID:	1810067-012A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 12:56		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Batch ID: 1108517	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	14:23	JF	434976
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	10/10/18	14:23	JF	434976
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	14:23	JF	434976
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	14:23	JF	434976
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	14:23	JF	434976
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	14:23	JF	434976
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	14:23	JF	434976
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	14:23	JF	434976
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	14:23	JF	434976
(S) Dibromofluoromethane	SW8260B		59.8 - 148		122		%	10/10/18	14:23	JF	434976
(S) Toluene-d8	SW8260B		55.2 - 133		101		%	10/10/18	14:23	JF	434976
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		112		%	10/10/18	14:23	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-10-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 12:56
SDG:

Lab Sample ID: 1810067-012A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	14:23	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		83.2		%	10/10/18	14:23	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-11-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:52
SDG:

Lab Sample ID: 1810067-013A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	14:05	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-11-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:52
SDG:

Lab Sample ID: 1810067-013A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	18:32	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	93.0		mg/Kg	10/12/18	18:32	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:32	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	17.0		mg/Kg	10/12/18	18:32	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	11.1		mg/Kg	10/12/18	18:32	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:32	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:32	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-11-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:52
SDG:

Lab Sample ID: 1810067-013A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108503

Prep Batch Date/Time: 10/9/18 4:50:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	15:35	mk	434980
TPH as Motor Oil	SW8015B	4	130	400	1960		mg/Kg	10/11/18	15:35	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	15:35	mk	434980



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-11-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 9:52
SDG:

Lab Sample ID: 1810067-013A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	14:59	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		58.7		%	10/10/18	14:59	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-11-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/09/18 / 9:25
SDG:

Lab Sample ID: 1810067-019A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108503

Prep Batch Date/Time: 10/9/18 4:50:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	7.76	x	mg/Kg	10/10/18	22:04	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/10/18	22:04	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		73.7		%	10/10/18	22:04	mk	434980

NOTE: x-presence of discrete peaks not typical of diesel pattern



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-11-20	Lab Sample ID:	1810067-019A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/09/18 / 9:25		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Batch ID: 1108517	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	10/10/18	16:10	JF	434976
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	16:10	JF	434976
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	16:10	JF	434976
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	10/10/18	16:10	JF	434976
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	16:10	JF	434976
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	16:10	JF	434976
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	16:10	JF	434976
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	16:10	JF	434976
TAME	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	16:10	JF	434976
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-11-20	Lab Sample ID:	1810067-019A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/09/18 / 9:25		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Batch ID: 1108517	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	16:10	JF	434976
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	10/10/18	16:10	JF	434976
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	16:10	JF	434976
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	16:10	JF	434976
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	16:10	JF	434976
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	16:10	JF	434976
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	16:10	JF	434976
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	16:10	JF	434976
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	16:10	JF	434976
(S) Dibromofluoromethane	SW8260B		59.8 - 148		124		%	10/10/18	16:10	JF	434976
(S) Toluene-d8	SW8260B		55.2 - 133		101		%	10/10/18	16:10	JF	434976
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		113		%	10/10/18	16:10	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-11-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/09/18 / 9:25
SDG:

Lab Sample ID: 1810067-019A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	16:10	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		72.9		%	10/10/18	16:10	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-12-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 10:23
SDG:

Lab Sample ID: 1810067-020A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	14:07	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-12-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 10:23
SDG:

Lab Sample ID: 1810067-020A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	18:36	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	86.0		mg/Kg	10/12/18	18:36	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:36	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	53.5		mg/Kg	10/12/18	18:36	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	5.40		mg/Kg	10/12/18	18:36	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:36	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:36	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-12-1	Lab Sample ID:	1810067-020A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 10:23		
SDG:			

Prep Method:	3546_TPH	Prep Batch Date/Time:	10/9/18 4:50:00PM
Prep Batch ID:	1108503	Prep Analyst:	EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	11.2	x	mg/Kg	10/10/18	22:27	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	19.0		mg/Kg	10/10/18	22:27	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		84.3		%	10/10/18	22:27	mk	434980

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-12-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 10:23
SDG:

Lab Sample ID: 1810067-020A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	17:22	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		79.9		%	10/10/18	17:22	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-12-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/09/18 / 8:41
SDG:

Lab Sample ID: 1810067-026A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108503

Prep Batch Date/Time: 10/9/18 4:50:00PM
Prep Analyst: EDORR

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	10/10/18	22:51	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/10/18	22:51	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		78.8		%	10/10/18	22:51	mk	434980



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-12-20	Lab Sample ID:	1810067-026A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/09/18 / 8:41		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Batch ID: 1108517	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	10/10/18	18:33	JF	434976
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	18:33	JF	434976
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:33	JF	434976
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	10/10/18	18:33	JF	434976
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	18:33	JF	434976
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:33	JF	434976
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	18:33	JF	434976
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	18:33	JF	434976
TAME	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	18:33	JF	434976
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-12-20	Lab Sample ID:	1810067-026A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/09/18 / 8:41		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Batch ID: 1108517	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:33	JF	434976
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	10/10/18	18:33	JF	434976
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:33	JF	434976
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	18:33	JF	434976
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	18:33	JF	434976
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	18:33	JF	434976
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	18:33	JF	434976
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	18:33	JF	434976
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	18:33	JF	434976
(S) Dibromofluoromethane	SW8260B		59.8 - 148		121		%	10/10/18	18:33	JF	434976
(S) Toluene-d8	SW8260B		55.2 - 133		99.5		%	10/10/18	18:33	JF	434976
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		115		%	10/10/18	18:33	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-12-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/09/18 / 8:41
SDG:

Lab Sample ID: 1810067-026A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	18:33	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		76.0		%	10/10/18	18:33	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-13-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 11:41
SDG:

Lab Sample ID: 1810067-027A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	14:09	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-13-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 11:41
SDG:

Lab Sample ID: 1810067-027A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	4.55		mg/Kg	10/12/18	18:46	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	154		mg/Kg	10/12/18	18:46	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:46	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	37.0		mg/Kg	10/12/18	18:46	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	135		mg/Kg	10/12/18	18:46	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:46	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:46	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-13-1	Lab Sample ID:	1810067-027A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 11:41		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	10/9/18 11:04:00AM
Prep Batch ID:	1108486	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	10/10/18	17:14	mk	434987
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	10/10/18	17:14	mk	434987
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	10/10/18	17:14	mk	434987
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	10/10/18	17:14	mk	434987
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	10/10/18	17:14	mk	434987
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	10/10/18	17:14	mk	434987
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	10/10/18	17:14	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		95.0		%	10/10/18	17:14	mk	434987
DCBP (S)	SW8082A		48 - 135		87.0		%	10/10/18	17:14	mk	434987



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-14-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 11:56
SDG:

Lab Sample ID: 1810067-030A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	14:12	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-14-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 11:56
SDG:

Lab Sample ID: 1810067-030A
Sample Matrix: Soil

Prep Method: 3050B
Prep Batch ID: 1108542

Prep Batch Date/Time: 10/11/18 2:40:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	3.40		mg/Kg	10/12/18	18:49	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	119		mg/Kg	10/12/18	18:49	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:49	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	28.1		mg/Kg	10/12/18	18:49	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	7.30		mg/Kg	10/12/18	18:49	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:49	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:49	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-14-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 11:56
SDG:

Lab Sample ID: 1810067-030A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108503

Prep Batch Date/Time: 10/9/18 4:50:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	34	80	ND		mg/Kg	10/11/18	15:12	mk	434980
TPH as Motor Oil	SW8015B	4	130	400	1340		mg/Kg	10/11/18	15:12	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		0.000	D	%	10/11/18	15:12	mk	434980



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-14-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 11:56
SDG:

Lab Sample ID: 1810067-030A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	19:09	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		66.1		%	10/10/18	19:09	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-14-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 12:30
SDG:

Lab Sample ID: 1810067-036A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108503

Prep Batch Date/Time: 10/9/18 4:50:00PM
Prep Analyst: EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	3.02	x	mg/Kg	10/10/18	23:15	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	13.2		mg/Kg	10/10/18	23:15	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		66.8		%	10/10/18	23:15	mk	434980

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



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm

Date Reported: 10/16/18

Client Sample ID:	B-14-20	Lab Sample ID:	1810067-036A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 12:30		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	10/10/18 10:13:00AM
Prep Batch ID:	1108517	Prep Analyst:	NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	10/10/18	19:45	JF	434976
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	19:45	JF	434976
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	19:45	JF	434976
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	10/10/18	19:45	JF	434976
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	19:45	JF	434976
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	19:45	JF	434976
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	19:45	JF	434976
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	10/10/18	19:45	JF	434976
TAME	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	10/10/18	19:45	JF	434976
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-14-20	Lab Sample ID:	1810067-036A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 12:30		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Batch ID: 1108517	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	19:45	JF	434976
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	10/10/18	19:45	JF	434976
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	19:45	JF	434976
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/10/18	19:45	JF	434976
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	19:45	JF	434976
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/10/18	19:45	JF	434976
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/10/18	19:45	JF	434976
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/10/18	19:45	JF	434976
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	10/10/18	19:45	JF	434976
(S) Dibromofluoromethane	SW8260B		59.8 - 148		124		%	10/10/18	19:45	JF	434976
(S) Toluene-d8	SW8260B		55.2 - 133		96.5		%	10/10/18	19:45	JF	434976
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		109		%	10/10/18	19:45	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-14-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 12:30
SDG:

Lab Sample ID: 1810067-036A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	19:45	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		67.7		%	10/10/18	19:45	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-15-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 11:56
SDG:

Lab Sample ID: 1810067-037A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	14:14	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-15-1	Lab Sample ID:	1810067-037A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 11:56		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	10/11/18 2:40:00PM
Prep Batch ID:	1108542	Prep Analyst:	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	3.53		mg/Kg	10/12/18	18:53	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	121		mg/Kg	10/12/18	18:53	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:53	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	45.7		mg/Kg	10/12/18	18:53	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	53.5		mg/Kg	10/12/18	18:53	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:53	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:53	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-15-1	Lab Sample ID:	1810067-037A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 11:56		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	10/9/18 11:04:00AM
Prep Batch ID:	1108486	Prep Analyst:	MSAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
<i>The results shown below are reported using their MDL.</i>											
Aroclor1016	SW8082A	1	53	100	ND		ug/Kg	10/10/18	17:28	mk	434987
Aroclor1221	SW8082A	1	5.0	100	ND		ug/Kg	10/10/18	17:28	mk	434987
Aroclor1232	SW8082A	1	17	100	ND		ug/Kg	10/10/18	17:28	mk	434987
Aroclor1242	SW8082A	1	3.0	100	ND		ug/Kg	10/10/18	17:28	mk	434987
Aroclor1248	SW8082A	1	2.0	100	ND		ug/Kg	10/10/18	17:28	mk	434987
Aroclor1254	SW8082A	1	2.0	100	ND		ug/Kg	10/10/18	17:28	mk	434987
Aroclor1260	SW8082A	1	36	100	ND		ug/Kg	10/10/18	17:28	mk	434987
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		84.0		%	10/10/18	17:28	mk	434987
DCBP (S)	SW8082A		48 - 135		75.0		%	10/10/18	17:28	mk	434987



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-16-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 10:52
SDG:

Lab Sample ID: 1810067-040A
Sample Matrix: Soil

Prep Method: 7471BP
Prep Batch ID: 1108541

Prep Batch Date/Time: 10/11/18 2:20:00PM
Prep Analyst: VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	10/12/18	14:16	BJAY	435012



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-16-1	Lab Sample ID:	1810067-040A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 10:52		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	10/11/18 2:40:00PM
Prep Batch ID:	1108542	Prep Analyst:	VTSUI

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	3.00	ND		mg/Kg	10/12/18	18:56	PPATEL	435029
Barium	SW6010B	1	0.055	5.00	94.0		mg/Kg	10/12/18	18:56	PPATEL	435029
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	10/12/18	18:56	PPATEL	435029
Chromium	SW6010B	1	0.075	5.00	65.5		mg/Kg	10/12/18	18:56	PPATEL	435029
Lead	SW6010B	1	0.10	1.30	5.90		mg/Kg	10/12/18	18:56	PPATEL	435029
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	10/12/18	18:56	PPATEL	435029
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	10/12/18	18:56	PPATEL	435029



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-16-1	Lab Sample ID:	1810067-040A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/08/18 / 10:52		
SDG:			

Prep Method:	3546_TPH	Prep Batch Date/Time:	10/9/18 4:50:00PM
Prep Batch ID:	1108503	Prep Analyst:	EDORR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.85	2.0	2.60	x	mg/Kg	10/10/18	23:38	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/10/18	23:38	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		75.9		%	10/10/18	23:38	mk	434980

NOTE: x-presence of discrete peaks not typical of diesel pattern



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-16-1
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/08/18 / 10:52
SDG:

Lab Sample ID: 1810067-040A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108518

Prep Batch Date/Time: 10/10/18 10:13:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/10/18	21:33	JF	434976
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		69.8		%	10/10/18	21:33	JF	434976



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-16-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/09/18 / 9:57
SDG:

Lab Sample ID: 1810067-046A
Sample Matrix: Soil

Prep Method: 3546_TPH
Prep Batch ID: 1108503

Prep Batch Date/Time: 10/9/18 4:50:00PM
Prep Analyst: EDORR

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	10/11/18	0:02	mk	434980
TPH as Motor Oil	SW8015B	1	3.2	10	ND		mg/Kg	10/11/18	0:02	mk	434980
Acceptance Limits											
Pentacosane (S)	SW8015B		59 - 129		68.5		%	10/11/18	0:02	mk	434980



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-16-20	Lab Sample ID:	1810067-046A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/09/18 / 9:57		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/11/18 10:33:00AM
Prep Batch ID: 1108551	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	10/11/18	15:05	NP	435003
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	10/11/18	15:05	NP	435003
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	15:05	NP	435003
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	10/11/18	15:05	NP	435003
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	10/11/18	15:05	NP	435003
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	15:05	NP	435003
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	10/11/18	15:05	NP	435003
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	10/11/18	15:05	NP	435003
TAME	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	10/11/18	15:05	NP	435003
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID:	B-16-20	Lab Sample ID:	1810067-046A
Project Name/Location:	San Mateo	Sample Matrix:	Soil
Project Number:	391622		
Date/Time Sampled:	10/09/18 / 9:57		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 10/11/18 10:33:00AM
Prep Batch ID: 1108551	Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	15:05	NP	435003
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	10/11/18	15:05	NP	435003
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	15:05	NP	435003
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	10/11/18	15:05	NP	435003
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	10/11/18	15:05	NP	435003
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	10/11/18	15:05	NP	435003
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	10/11/18	15:05	NP	435003
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	10/11/18	15:05	NP	435003
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	10/11/18	15:05	NP	435003
(S) Dibromofluoromethane	SW8260B		59.8 - 148		120		%	10/11/18	15:05	NP	435003
(S) Toluene-d8	SW8260B		55.2 - 133		104		%	10/11/18	15:05	NP	435003
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		113		%	10/11/18	15:05	NP	435003



SAMPLE RESULTS

Report prepared for: Melanie Wong
AEI Consultants

Date/Time Received: 10/09/18, 4:45 pm
Date Reported: 10/16/18

Client Sample ID: B-16-20
Project Name/Location: San Mateo
Project Number: 391622
Date/Time Sampled: 10/09/18 / 9:57
SDG:

Lab Sample ID: 1810067-046A
Sample Matrix: Soil

Prep Method: 5035GRO
Prep Batch ID: 1108552

Prep Batch Date/Time: 10/11/18 9:33:00AM
Prep Analyst: NPAR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	10/11/18	15:05	NP	435003
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		76.4		%	10/11/18	15:05	NP	435003



MB Summary Report

Work Order:	1810067	Prep Method:	3546_PCB	Prep Date:	10/09/18	Prep Batch:	1108486
Matrix:	Soil	Analytical Method:	SW8082A	Analyzed Date:	10/9/2018	Analytical Batch:	434986
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	53	100	ND	
Aroclor1221	5.0	100	ND	
Aroclor1232	17	100	ND	
Aroclor1242	3.0	100	ND	
Aroclor1248	2.0	100	ND	
Aroclor1254	2.0	100	ND	
Aroclor1260	36	100	ND	
TCMX (S)			95.0	
DCBP (S)			92.0	

Work Order:	1810067	Prep Method:	3546_TPH	Prep Date:	10/09/18	Prep Batch:	1108503
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	10/10/2018	Analytical Batch:	434979
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)			71.2	



MB Summary Report

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108517
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
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	
tert-Butanol	12	50	ND	
Diisopropyl ether (DIPE)	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
ETBE	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	
Tetrachloroethylene	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	
Ethyl Benzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	



MB Summary Report

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108517
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	1.7	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	1.7	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	2.3	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	2.0	
1,2,4-Trichlorobenzene	1.5	10	3.5	
Naphthalene	1.7	10	5.6	
1,2,3-Trichlorobenzene	1.7	10	4.3	
2-Butanone	1.7	10	ND	
(S) Dibromofluoromethane			115	
(S) Toluene-d8			99.7	
(S) 4-Bromofluorobenzene			110	



MB Summary Report

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108517
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	120	1000	ND		
Chloromethane	180	1000	ND		
Vinyl Chloride	200	1000	ND		
Bromomethane	270	1000	ND		
Chloroethane	300	1000	ND		
Trichlorofluoromethane	210	1000	ND		
1,1-Dichloroethene	200	1000	ND		
Freon 113	190	1000	ND		
Methylene Chloride	710	1000	ND		
trans-1,2-Dichloroethene	210	1000	ND		
MTBE	230	1000	ND		
tert-Butanol	1200	5000	ND		
Diisopropyl ether (DIPE)	230	1000	ND		
1,1-Dichloroethane	220	1000	ND		
ETBE	230	1000	ND		
cis-1,2-Dichloroethene	220	1000	ND		
2,2-Dichloropropane	190	1000	ND		
Bromochloromethane	230	1000	ND		
Chloroform	240	1000	ND		
Carbon Tetrachloride	210	1000	ND		
1,1,1-Trichloroethane	210	1000	ND		
1,1-Dichloropropene	200	1000	ND		
Benzene	220	1000	ND		
TAME	230	1000	ND		
1,2-Dichloroethane	230	1000	ND		
Trichloroethylene	180	1000	ND		
Dibromomethane	180	1000	ND		
1,2-Dichloropropane	190	1000	ND		
Bromodichloromethane	200	1000	ND		
cis-1,3-Dichloropropene	160	1000	ND		
Toluene	180	1000	ND		
Tetrachloroethylene	170	1000	ND		
trans-1,3-Dichloropropene	160	1000	ND		
1,1,2-Trichloroethane	180	1000	ND		
Dibromochloromethane	190	1000	ND		
1,3-Dichloropropane	180	1000	ND		
1,2-Dibromoethane	180	1000	ND		
Chlorobenzene	180	1000	ND		
Ethyl Benzene	170	1000	ND		
1,1,1,2-Tetrachloroethane	190	1000	ND		
m,p-Xylene	320	1000	ND		
o-Xylene	170	1000	ND		
Styrene	160	1000	ND		
Bromoform	170	1000	ND		
Isopropyl Benzene	160	1000	ND		



MB Summary Report

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108517
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	160	1000	ND	
Bromobenzene	180	1000	ND	
1,1,2,2-Tetrachloroethane	190	1000	ND	
2-Chlorotoluene	180	1000	ND	
1,3,5-Trimethylbenzene	160	1000	ND	
1,2,3-Trichloropropane	190	1000	ND	
4-Chlorotoluene	160	1000	ND	
tert-Butylbenzene	160	1000	ND	
1,2,4-Trimethylbenzene	140	1000	ND	
sec-Butyl Benzene	160	1000	ND	
p-Isopropyltoluene	150	1000	ND	
1,3-Dichlorobenzene	170	1000	ND	
1,4-Dichlorobenzene	170	1000	ND	
n-Butylbenzene	150	1000	ND	
1,2-Dichlorobenzene	180	1000	ND	
1,2-Dibromo-3-Chloropropane	180	1000	ND	
Hexachlorobutadiene	140	1000	ND	
1,2,4-Trichlorobenzene	150	1000	ND	
Naphthalene	170	1000	ND	
1,2,3-Trichlorobenzene	170	1000	ND	
2-Butanone	170	1000	ND	
(S) Dibromofluoromethane			116	
(S) Toluene-d8			101	
(S) 4-Bromofluorobenzene			108	

Work Order:	1810067	Prep Method:	5035GRO	Prep Date:	10/10/18	Prep Batch:	1108518
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	59	
(S) 4-Bromofluorobenzene			93.5	

Work Order:	1810067	Prep Method:	5035GRO	Prep Date:	10/10/18	Prep Batch:	1108518
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	4300	10000	ND	
(S) 4-Bromofluorobenzene			82.8	



MB Summary Report

Work Order:	1810067	Prep Method:	7471BP	Prep Date:	10/11/18	Prep Batch:	1108541
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	10/12/2018	Analytical Batch:	435012
Units:	mg/Kg						

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

Work Order:	1810067	Prep Method:	3050B	Prep Date:	10/11/18	Prep Batch:	1108542
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	10/12/2018	Analytical Batch:	435029
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	0.31	
Barium	0.055	5.00	0.062	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	ND	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	1.30	ND	
Molybdenum	0.050	5.00	0.28	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.20	5.00	ND	
Vanadium	0.10	5.00	0.31	
Zinc	0.30	5.00	ND	



MB Summary Report

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/11/18	Prep Batch:	1108551
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
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	
tert-Butanol	12	50	ND	
Diisopropyl ether (DIPE)	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
ETBE	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	
Tetrachloroethylene	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	
Ethyl Benzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	



MB Summary Report

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/11/18	Prep Batch:	1108551
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	1.4	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	1.5	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	2.0	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	2.0	
1,2,4-Trichlorobenzene	1.5	10	3.2	
Naphthalene	1.7	10	4.9	
1,2,3-Trichlorobenzene	1.7	10	4.2	
2-Butanone	1.7	10	ND	
(S) Dibromofluoromethane			118	
(S) Toluene-d8			101	
(S) 4-Bromofluorobenzene			109	

Work Order:	1810067	Prep Method:	5035GRO	Prep Date:	10/11/18	Prep Batch:	1108552
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	54	
(S) 4-Bromofluorobenzene			88.0	



LCS/LCSD Summary Report

Raw values are used in quality control assessment

Work Order:	1810067	Prep Method:	3546_PCB	Prep Date:	10/09/18	Prep Batch:	1108486
Matrix:	Soil	Analytical Method:	SW8082A	Analyzed Date:	10/9/2018	Analytical Batch:	434986
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53	100	ND	600	120	117	2.54	25 - 145	30	
Aroclor1260	36	100	ND	600	93.7	94.0	0.355	30 - 145	30	
TCMX (S)				0.10	92.0	90.0		48 - 125		
DCBP (S)				0.10	92.0	95.0		48 - 135		

Work Order:	1810067	Prep Method:	3546_TPH	Prep Date:	10/09/18	Prep Batch:	1108503
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	10/10/2018	Analytical Batch:	434979
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	68.8	79.7	14.6	52 - 115	30	
Pentacosane (S)				200	75.0	84.4		59 - 129		

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108517
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
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	104	104	0.192	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	115	115	0.174	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	96.3	95.4	1.04	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	102	98.1	3.40	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	103	100	2.56	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	115	116		59.8 - 148		
(S) Toluene-d8				50.0	103	101		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	105	104		55.8 - 141		

Work Order:	1810067	Prep Method:	5035GRO	Prep Date:	10/10/18	Prep Batch:	1108518
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
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(Gasoline)	43	100	59	1000	108	98.6	9.10	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	95.4	92.8		43.9 - 127		



LCS/LCSD Summary Report

Raw values are used in quality control assessments

Work Order:	1810067	Prep Method:	7471BP	Prep Date:	10/11/18	Prep Batch:	1108541
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	10/12/2018	Analytical Batch:	435012
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	95.4	94.8	0.000	80 - 120	30	

Work Order:	1810067	Prep Method:	3050B	Prep Date:	10/11/18	Prep Batch:	1108542
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	10/12/2018	Analytical Batch:	435029
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	95.3	107	11.5	80 - 120	30	
Arsenic	0.15	1.30	0.31	50	97.3	110	12.2	80 - 120	30	
Barium	0.055	5.00	0.062	50	97.5	110	11.9	80 - 120	30	
Beryllium	0.055	5.00	ND	50	96.9	109	11.7	80 - 120	30	
Cadmium	0.10	5.00	ND	50	97.6	110	11.9	80 - 120	30	
Chromium	0.075	5.00	ND	50	99.4	113	12.8	80 - 120	30	
Cobalt	0.070	5.00	ND	50	98.5	112	12.7	80 - 120	30	
Copper	0.20	5.00	ND	50	99.7	113	12.4	80 - 120	30	
Lead	0.10	3.00	ND	50	98.4	111	12.0	80 - 120	30	
Molybdenum	0.050	5.00	0.28	50	101	114	12.1	80 - 120	30	
Nickel	0.50	5.00	ND	50	98.2	111	12.2	80 - 120	30	
Selenium	0.22	5.00	ND	50	88.0	99.1	12.0	80 - 120	30	
Silver	0.15	5.00	ND	50	94.1	106	11.8	80 - 120	30	
Thallium	0.20	5.00	ND	50	96.5	108	11.1	80 - 120	30	
Vanadium	0.10	5.00	0.31	50	100	114	13.1	80 - 120	30	
Zinc	0.30	5.00	ND	50	92.8	105	12.3	80 - 120	30	

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/11/18	Prep Batch:	1108551
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
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	94.1	103	8.94	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	107	120	10.7	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	88.2	93.0	5.30	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	94.7	99.0	4.55	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	97.8	104	6.34	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	107	120		59.8 - 148		
(S) Toluene-d8				50.0	96.8	101		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	97.1	99.7		55.8 - 141		



LCS/LCSD Summary Report

Raw values are used in quality control assessments

Work Order:	1810067	Prep Method:	5035GRO	Prep Date:	10/11/18	Prep Batch:	1108552
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/11/2018	Analytical Batch:	435003
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(Gasoline)	43	100	54	1000	88.6	87.9	0.793	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	88.0	85.8		43.9 - 127		

DRAFT



MS/MSD Summary Report

Raw values are used in quality control assessment

Work Order:	1810067	Prep Method:	5035	Prep Date:	10/10/18	Prep Batch:	1108517
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	10/10/2018	Analytical Batch:	434976
Spiked Sample:	1810067-036A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50	103	106	3.25	55 - 125	30	
Benzene	2.2	10	ND	50	117	119	2.37	55 - 125	30	
Trichloroethylene	1.8	10	ND	50	93.5	96.0	2.75	55 - 125	30	
Toluene	1.8	10	ND	50	98.4	99.0	0.608	55 - 125	30	
Chlorobenzene	1.8	10	ND	50	103	103	0.000	55 - 125	30	
(S) Dibromofluoromethane				50	118	122		59.8 - 148		
(S) Toluene-d8				50	100	102		55.2 - 133		
(S) 4-Bromofluorobenzene				50	105	108		55.8 - 141		



Duplicate QC Summary Report

Work Order:	1810067	Prep Method:	3050B	Prep Date:	10/11/2018	Prep Batch:	1108542
Matrix:		Analytical Method:	SW6010B	Analyzed Date:	10/12/18	Analytical Batch:	435029
Units:						Lab Sample ID:	1810067-040A-DUP-1108542

Parameters	<u>MDL</u>	<u>PQL</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>% RPD</u>	
Arsenic	0.15	5.00	2.31	2.47	6.91	
Barium	0.055	5.00	94.0	93.5	0.53	
Cadmium	0.10	5.00	0.291	0.280	3.68	
Chromium	0.075	5.00	65.5	55.5	16.50	
Lead	0.10	5.00	5.90	5.85	0.85	
Selenium	0.22	5.00	0.000	ND	0.00	
Silver	0.15	5.00	0.000	ND	0.00	



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:

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



Sample Receipt Checklist

Client Name: AEI Consultants

Project Name: San Mateo

Work Order No.: 1810067

Date and Time Received: 10/9/2018 4:45:00PM

Received By: Navin Ghodasara

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

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?	<u>Yes</u>	Temperature: 7.0 °C
Water-VOA vials have zero headspace?	<u>No VOA vials submitted</u>	
Water-pH acceptable upon receipt?	<u>N/A</u>	
pH Checked by: N/A	pH Adjusted by: N/A	

Comments:



Login Summary Report

Client ID: TL5781 AEI Consultants
Project Name: San Mateo
Project # : 391622
Report Due Date: 10/16/2018

QC Level: II
TAT Requested: 5+ day:5
Date Received: 10/9/2018
Time Received: 4:45 pm

Comments:

Work Order # : **1810067**

<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>Subt</u>
1810067-001A	B-9-5	10/08/18 8:54	Soil	04/06/19			Hold Samples	
1810067-002A	B-9-8	10/08/18 14:50	Soil	04/06/19			Hold Samples	
1810067-003A	B-9-12	10/08/18 14:52	Soil	04/06/19			Hold Samples	
1810067-004A	B-9-16	10/08/18 15:03	Soil	04/06/19			Hold Samples	
1810067-005A	B-9-20	10/08/18 15:55	Soil	04/06/19			VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod)	
1810067-006A	B-10-1	10/08/18 9:38	Soil	04/06/19			Met_S_6010B CAM17 VOC_S_GRO Hg_S_7471B TPHDO_S_8015(Mod)	
Sample Note: Metals=RCRA8								
1810067-007A	B-10-2	10/08/18 9:40	Soil	04/06/19			Hold Samples	
1810067-008A	B-10-5	10/08/18 9:35	Soil	04/06/19			Hold Samples	
1810067-009A	B-10-8	10/08/18 13:07	Soil	04/06/19			Hold Samples	
1810067-010A	B-10-12	10/08/18 13:05	Soil	04/06/19			Hold Samples	
1810067-011A	B-10-16	10/08/18 13:00	Soil	04/06/19			Hold Samples	
1810067-012A	B-10-20	10/08/18 12:56	Soil	04/06/19			VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod)	
1810067-013A	B-11-1	10/08/18 9:52	Soil	04/06/19			Met_S_6010B CAM17 VOC_S_GRO Hg_S_7471B TPHDO_S_8015(Mod)	
1810067-014A	B-11-2	10/08/18 9:55	Soil	04/06/19				



Login Summary Report

Client ID: TL5781 AEI Consultants

QC Level: II

Project Name: San Mateo

TAT Requested: 5+ day:5

Project # : 391622

Date Received: 10/9/2018

Report Due Date: 10/16/2018

Time Received: 4:45 pm

Comments:

Work Order # : 1810067

<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>Subt</u>
1810067-015A	B-11-5	10/08/18 9:49	Soil	04/06/19			Hold Samples	
1810067-016A	B-11-8	10/09/18 8:59	Soil	04/07/19			Hold Samples	
1810067-017A	B-11-12	10/09/18 9:04	Soil	04/07/19			Hold Samples	
1810067-018A	B-11-16	10/09/18 9:11	Soil	04/07/19			Hold Samples	
1810067-019A	B-11-20	10/09/18 9:25	Soil	04/07/19			Hold Samples	
1810067-020A	B-12-1	10/08/18 10:23	Soil	04/06/19			VOC_S_GRO TPHDO_S_8015(Mod) VOC_S_8260B	
1810067-021A	B-12-2	10/08/18 10:26	Soil	04/06/19			Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B VOC_S_GRO	
1810067-022A	B-12-5	10/08/18 10:03	Soil	04/06/19			Hold Samples	
1810067-023A	B-12-8	10/09/18 8:26	Soil	04/07/19			Hold Samples	
1810067-024A	B-12-12	10/09/18 8:28	Soil	04/07/19			Hold Samples	
1810067-025A	B-12-16	10/09/18 8:33	Soil	04/07/19			Hold Samples	
1810067-026A	B-12-20	10/09/18 8:41	Soil	04/07/19			Hold Samples	
1810067-027A	B-13-1	10/08/18 11:41	Soil	04/06/19			VOC_S_GRO TPHDO_S_8015(Mod) VOC_S_8260B	
1810067-028A	B-13-2	10/08/18 11:46	Soil	04/06/19			Met_S_6010B CAM17 Hg_S_7471B PCBs_S_8082A	
1810067-029A	B-13-5	10/08/18 11:39	Soil	04/06/19			Hold Samples	



Login Summary Report

Client ID: TL5781 AEI Consultants

QC Level: II

Project Name: San Mateo

TAT Requested: 5+ day:5

Project # : 391622

Date Received: 10/9/2018

Report Due Date: 10/16/2018

Time Received: 4:45 pm

Comments:

Work Order # : **1810067**

<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>Subt</u>
1810067-030A	B-14-1	10/08/18 11:56	Soil	04/06/19			Hold Samples Met_S_6010B CAM17 TPHDO_S_8015(Mod) Hg_S_7471B VOC_S_GRO	
1810067-031A	B-14-2	10/08/18 12:13	Soil	04/06/19			Hold Samples	
1810067-032A	B-14-5	10/08/18 11:27	Soil	04/06/19			Hold Samples	
1810067-033A	B-14-8	10/08/18 12:37	Soil	04/06/19			Hold Samples	
1810067-034A	B-14-12	10/08/18 12:33	Soil	04/06/19			Hold Samples	
1810067-035A	B-14-16	10/08/18 11:53	Soil	04/06/19			Hold Samples	
1810067-036A	B-14-20	10/08/18 12:30	Soil	04/06/19			VOC_S_GRO TPHDO_S_8015(Mod) VOC_S_8260B	
1810067-037A	B-15-1	10/08/18 11:56	Soil	04/06/19			Met_S_6010B CAM17 Hg_S_7471B PCBs_S_8082A	
1810067-038A	B-15-2	10/08/18 12:13	Soil	04/06/19			Hold Samples	
1810067-039A	B-15-5	10/08/18 12:16	Soil	04/06/19			Hold Samples	
1810067-040A	B-16-1	10/08/18 10:52	Soil	04/06/19			VOC_S_GRO TPHDO_S_8015(Mod) Met_S_6010B CAM17 Hg_S_7471B	
1810067-041A	B-16-2	10/08/18 10:57	Soil	04/06/19			Hold Samples	
1810067-042A	B-16-5	10/08/18 11:00	Soil	04/06/19			Hold Samples	
1810067-043A	B-16-8	10/09/18 9:44	Soil	04/07/19			Hold Samples	



Login Summary Report

Client ID: TL5781 AEI Consultants

Project Name: San Mateo

Project # : 391622

Report Due Date: 10/16/2018

QC Level: II

TAT Requested: 5+ day:5

Date Received: 10/9/2018

Time Received: 4:45 pm

Comments:

Work Order # : **1810067**

<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>Subt</u>
1810067-044A	B-16-12	10/09/18 9:51	Soil	04/07/19			Hold Samples	
1810067-045A	B-16-16	10/09/18 9:55	Soil	04/07/19			Hold Samples	
1810067-046A	B-16-20	10/09/18 9:57	Soil	04/07/19			VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod)	



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

RESET

CHAIN OF CUSTODY

LAB WORK ORDER NO

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

1810067

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000		FAX: 925-746-6099			
REPORT TO: Melanie Wong		SAMPLER: Ariel Kittredge	P.O. #: 174640		
			EMAIL: mwong@aeiconsultants.com		

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

TPH multi 8015M

VOCs 8260B

SVOCs 8270C

PCBs 8082

RCRA 8 Metals

Hold

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	REMARKS
001A	B-9-5	10/8/18 0854	Soil	1						X	
002A	B-9-8	10/8/18 1450								X	
003A	B-9-12	10/8/18 1452								X	
004A	B-9-16	10/8/18 1503								X	
005A	B-9-20	10/8/18 1555				X	X				
006A	B-10-1	10/8/18 0938				X				X	
007A	B-10-2	10/8/18 0940								X	
008A	B-10-5	10/8/18 0935								X	
009A	B-10-8	10/8/18 1307								X	
010A	B-10-12	10/8/18 1305								X	

1 Relinquished By: <u>Ariel Kittredge</u>	Print: <u>Ariel Kittredge</u>	Date: <u>10/9/18</u>	Time: <u>1515</u>	Received By: <u>NAVIN G</u>	Print: <u>NAVIN G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.M.</u>
2 Relinquished By: <u>NAVIN G</u>	Print: <u>NAVIN G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.M.</u>	Received By: <u>NAVIN G</u>	Print: <u>NAVIN G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.M.</u>

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A
NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.
Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____ Page 5 of 11



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

RESET

CHAIN OF CUSTODY

LAB WORK ORDER NO

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

1810067

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000		FAX: 925-746-6099			
REPORT TO: Melanie Wong		SAMPLER: Ariel Kittredge	P.O. #: 174640	EMAIL: mwong@aeiconsultants.com	

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

ANALYSIS
REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	Hold	REMARKS
011A	B-10-16	10/8/18 1300	Soil	1							X	
012A	B-10-20	10/8/18 1256				X	X					
013A	B-11-1	10/8/18 0952				X				X		
014A	B-11-2	10/8/18 0955									X	
015A	B-11-5	10/8/18 0949									X	
016A	B-11-8	10/9/18 0859									X	
017A	B-11-12	10/9/18 0904									X	
018A	B-11-16	10/9/18 0911									X	
019A	B-11-20	10/9/18 0925				X	X					Temp: 7°C #2
020A	B-12-1	10/8/18 1023				X				X		

1 Relinquished By: <u>Ariel Kittredge</u>	Print: <u>Ariel Kittredge</u>	Date: <u>10/9/18</u>	Time: <u>5:15</u>	Received By: <u>NAVIN G</u>	Print: <u>NAVIN G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.M.</u>
2 Relinquished By: <u>Ariel Kittredge</u>	Print: <u>Ariel Kittredge</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.M.</u>	Received By: <u>NAVIN G</u>	Print: <u>NAVIN G</u>	Date: <u>10/9/18</u>	Time: <u>4:45 P.M.</u>

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment PCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A
NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.
Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____ Page 6 of 11



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

CHAIN OF CUSTODY

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

LAB WORK ORDER NO

1810067

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000 FAX: 925-746-6099					
REPORT TO: Melanie Wong SAMPLER: Ariel Kittredge			P.O. #: 174640 EMAIL: mwong@aeiconsultants.com		

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

TPH multi 8015M

VOCs 8260B

SVOCs 8270C

PCBs 8082

RCRA 8 Metals

Hold

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	REMARKS
021A	B-12-2	10/8/18 1026	Soil	1						X	
022A	B-12-5	10/8/18 1003								X	
023A	B-12-8	10/9/18 0826								X	
024A	B-12-12	10/9/18 0828								X	
025A	B-12-16	10/9/18 0833								X	
026A	B-12-20	10/9/18 0841				X	X				
027A	B-13-1	10/8/18 1141						X	X		
028A	B-13-2	10/8/18 1146								X	
029A	B-13-5	10/8/18 1139								X	
	B-13-8	10/9									

1 Relinquished By: <i>Ariel Kittredge</i> Print: <i>Ariel Kittredge</i> Date: <i>10/9/18</i> Time: <i>1:55</i>	Received By: <i>NAVIN G</i> Print: <i>NAVIN G</i> Date: <i>10/9</i> Time: <i>3:25</i>
2 Relinquished By: <i>DT</i> Print: <i>DT</i> Date: <i>10/9/18</i> Time: <i>4:45 P.M.</i>	Received By: <i>NAVIN G</i> Print: <i>NAVIN G</i> Date: <i>10/9/18</i> Time: <i>4:45 P.M.</i>

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A
NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.
Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____ Page 7 of 11



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

RESET

CHAIN OF CUSTODY

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

LAB WORK ORDER NO

1810067

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000 FAX: 925-746-6099					
REPORT TO: Melanie Wong		SAMPLER: Ariel Kittredge	P.O. #: 174640		EMAIL: mwong@aeiconsultants.com

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

TPH multi 8015M

VOCs 8260B

SVOCs 8270C

PCBs 8082

RCRA 8 Metals

H61d

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	H61d	REMARKS
	B-13-12		Soil	1								
	B-13-16											
	B-13-20											
030A	B-14-1	10/8/18 1156	Soil	1		X				X		
031A	B-14-2	10/8/18 1213								X		
032A	B-14-5	10/8/18 1127								X		
033A	B-14-8	10/8/18 1237								X		
034A	B-14-12	10/8/18 1233								X		
035A	B-14-16	10/8/18 1153								X		
036A	B-14-20	10/8/18 1230	↓	↓		X	X					

Temp. 7°C
#2

1 Relinquished By: <u>Ariel Kittredge</u> Print: <u>Ariel Kittredge</u> Date: <u>10/9/18</u> Time: <u>1515</u>	Received By: <u>NAVIN G.</u> Print: <u>NAVIN G.</u> Date: <u>10/9/18</u> Time: <u>4:45 P.m.</u>
2 Relinquished By: <u>NAVIN G.</u> Print: <u>NAVIN G.</u> Date: <u>10/9/18</u> Time: <u>4:45 P.m.</u>	Received By: <u>NAVIN G.</u> Print: <u>NAVIN G.</u> Date: <u>10/9/18</u> Time: <u>4:45 P.m.</u>

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

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

Page 8 of 11

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____



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

RESET

CHAIN OF CUSTODY

LAB WORK ORDER NO

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

1810067

Company Name: AEI Consultants			Location of Sampling: San Mateo, CA		
Address: 2500 Camino Diablo			Purpose:		
City: Walnut Creek	State: CA	Zip Code: 94597	Special Instructions / Comments:		
Telephone: 925-746-6000 FAX: 925-746-6099					
REPORT TO: Melanie Wong SAMPLER: Ariel Kittredge			P.O. #: 174640 EMAIL: mwong@aeiconsultants.com		

TURNAROUND TIME:

- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:

- ☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☐ Ground Water
☒ Soil

REPORT FORMAT:

- ☐ QC Level IV
☐ EDF
☐ Excel / EDD

TPH multi 8015M

VOCs 8260B

SVOCs 8270C

PCBs 8082

RCRA 8 Metals

Hold

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH multi 8015M	VOCs 8260B	SVOCs 8270C	PCBs 8082	RCRA 8 Metals	Hold	REMARKS
037A	B-15-1	10/8/18 1156	Soil	1					X	X		
038A	B-15-5 B-15-2	10/8/18 1213								X		
039A	B-15-5	10/8/18 1216								X		
	B-15-8	10/9/18										
	B-15-12	10/9/18										
	B-15-16	10/9/18										
	B-15-20	10/9/18										
040A	B-16-1	10/8/18 1052				X				X		
041A	B-16-2	10/8/18 1057								X		Temp. 7°C #2
042A	B-16-5	10/8/18 1100	↓	↓						X		

1 Relinquished By: <u>Ariel Kittredge</u> Print: <u>Ariel Kittredge</u> Date: <u>10/9/18</u> Time: <u>1515</u>	Received By: <u>NAVIN G</u> Print: <u>NAVIN G</u> Date: <u>10/9/18</u> Time: <u>4:45 P.M.</u>
2 Relinquished By: <u>NAVIN G</u> Print: <u>NAVIN G</u> Date: <u>10/9/18</u> Time: <u>4:45 P.M.</u>	Received By: <u>NAVIN G</u> Print: <u>NAVIN G</u> Date: <u>10/9/18</u> Time: <u>4:45 P.M.</u>

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment FCS Sample seals intact? ☐ Yes ☐ NO ☒ N/A
NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.
Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____ Page 9 of 11