August 7, 2017

ADDITIONAL SUBSURFACE INVESTIGATION

Property Identification:
237-253 Race Street and 216-260 Grand Avenue
San Jose, California

AEI Project No. 365735

Prepared for:
Core Affordable Housing, LLC
470 Market Street
San Jose, California 95113

Prepared by:
AEI Consultants
2500 Camino Diablo
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August 7, 2017

Mr. Paul Ring
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470 Market Street
San Jose, California 95113

Subject: Additional Subsurface Investigation
237-253 Race Street and 216-260 Grand Avenue
San Jose, California
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AEI Consultants (AEI) is pleased to provide this report which describes the activities and results of the Additional Subsurface Investigations performed at the above referenced subject property (Figures 1 and 2), referred to as "the Site". The investigations were completed in general accordance with the authorized scope of services outlined in our authorized proposal number 51707 Rev 1 dated April 26, 2017 and 52494 dated June 5, 2017.

1.0 SITE DESCRIPTION AND BACKGROUND

The rectangular shaped Site is approximately 2.4 acres in size and consists of nine properties currently improved with residential and commercial buildings. The Site is located between Race Street and Grand Avenue as shown on Figure 2. The surface of the Site is essentially flat and located at approximately 115 feet above mean sea level. In the March 8, 2012 Earth Systems Pacific Phase I Environmental Site Assessment (ESA), the following conditions of concern were identified:

- Prior environmental sample collection and analysis identified petroleum hydrocarbons and organochlorine pesticides (OCPs) found in shallow soil at several locations throughout the Site, including 250 and 260 Grand Avenue, and 243 and 245 Race Street.
- A dry-cleaning facility is located north and adjacent to the Site.
- At the time of the report, an open leaking underground storage tank case was present at 1295 West San Carlos Street, approximately 200 ft. hydrologically up gradient of the target Site. The site was reportedly eligible and under consideration for regulatory case closure however due to the proximity to the Site, the above referenced report suggested assessment for potential vapor migration from the known release.

Subsequently, in November 2016, AEI performed a limited Phase II soil and soil vapor assessment to address the identified concerns, the results of which were documented in AEI's December 9, 2016 *Limited Phase II Subsurface Investigation* and are also included on Tables 1 through 4 of

this document. With regards to these three identified concerns, the following conclusions were made from the November 2016 investigation:

- Elevated concentrations of hydrocarbons and certain metals which appear to be discontinuously present throughout the site suggests irregular and localized impacts by petroleum, metals, and potentially pesticides.
- The PCE detections in soil vapor adjacent to the dry-cleaning facility were below the referenced residential Environmental Screening Level (ESL); however, indicate that a release has occurred, likely from the immediately adjacent dry-cleaning facility. Based on these results, the release should not preclude development of the Site, however additional investigation and potentially mitigation measures may be needed. While the owner of the Site would not typically be responsible for characterization and cleanup of a PCE spill from an offsite release, a further understanding of the nature and extent of the release, including impacts or potential impacts to the Site would be necessary to determine implications for development of the Site.
- VOCs were not reported above the ESLs indicating that a significant vapor intrusion threat from the offsite former gasoline station is not present. Although impacts were allowed to remain at that property, based on the conditions at the time of closure and results of this soil gas test, it is not expected that that former release site has impacted the subject Site.

As part of recent due diligence activities, AEI was contracted to complete a new Phase I ESA as described in the report dated June 6, 2017. Based on the findings of the ESA, it was found that according to files with the San Jose Fire Department, the subject property building at 253 Race Street/230 Grand Avenue was previously equipped with a 5,000-gallon gasoline underground storage tank (UST) which was installed in 1975. The tank was installed to the northwest of Building 230. Additionally, a permit to remove a 1,000-gallon gasoline UST was submitted to the SJFD in 1984. The location of the UST was not provided in the permit application. A note on the closure plan indicates that the 1,000-gallon tank was filled with concrete instead of being excavated and removed. It could not be determined from the records whether there have been one of two USTs, or their dispositions. This new information resulted in a previously unknown recognized environmental condition REC.

2.0 INVESTIGATION EFFORTS

The investigative efforts outlined in this report consist of two different mobilizations based on data and scope known at the time of investigation activities. The first phase was based on the 2016 sampling and in preparation for Site development, additional investigation was requested. The focus of the work was to further evaluate the nature and extent of apparent impacts relating to the adjacent dry-cleaning facility and to further assess shallow soil conditions for contaminants that may increase soil handling and disposition costs during site work (outlined in proposal number 51707 Rev 1 dated April 26, 2017). The second phase was to investigate possible location(s) of the former UST areas (outlined in proposal number 52494 dated June 5, 2017).

2.1 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.

2.2 Permitting and Utility Clearance

Drilling permits were not required for this investigation. The public underground utility locating service USA North was notified to identify public utilities in the work area. Private utility locating was conducted by Foresite Engineering of Pleasant Hill, California to identify underground utilities in the work areas.

2.3 Geophysical Survey

On July 11, 2017, a geophysical survey was conducted by 1st Call Utility Locating of Richmond, California (Appendix C) within the general area shown on Figure 3. Portions of the surveyed area were discontinuous due to the presence of a large roll-off bin and pallets which resulted in limitations in scanning the entire area. The purpose of the survey was to evaluate the potential presence of remaining or former USTs. The geophysical survey was conducted using a magnetometer and ground penetrating radar (GPR) to scan all availabe areas outside the existing building to the north/northwest. The results from the geophysical survey indicated two areas where anomalies were identified as shown on the map in Appendix C. The anomalies were not definitive of former USTs, but rather the southern anomaly near the building was indicative of heterogenous backfill material which didn't match the surrounding native material. The anomaly to the north was identified more from the observed patched asphalt than a subsurface anomaly. It should be noted that borings completed in these locations following the geophysical survey did not indicate that USTs remained in these areas.

The client should be aware of the inherent limitations of geophysical surveying methods and that above and underground utilities and other man-made or natural features (i.e. automobiles, debris piles, tree roots, reinforced concrete, certain soil conditions, etc), if in the area of the survey, may decrease the effectiveness of the survey. The client should be aware that the lack of a detection of a feature from a geophysical survey does not mean that the feature does not exist only that it was not detected. It should not be considered out of the realm of possibilities for USTs to be encountered should the Site be graded or dug up during construction activities.

2.4 Drilling and Soil Sample Collection

On May 15, 2017, four soil borings (SB-11 to SB-14) and three soil gas borings (SG-6 to SG-8) were advance on the Site (Figure 3). The borings were advanced by California C57 Licensed drilling contractor Environmental Control Associates (ECA) of Aptos, California using a track mounted drilling rig. The borings were advanced to a depth of up to 10 feet below ground surface (bgs). The location and purpose of each boring are listed below:

- Borings SB-11 to SB-14 were advanced to a depth of 10 feet bgs throughout the property to assess current shallow soil conditions.

- Borings SG-7 and SG-8 were advanced to a depth of 10 feet bgs to assess current shallow soil conditions then backfilled to a depth of 5.5 feet bgs for soil gas collection to supplement soil gas data from SG-2 and SG-3 near the offsite dry-cleaning facility.
- Boring SG-6 was advanced to a depth of 5.5 feet bgs for soil gas collection to supplement soil gas data from SG-2 and SG-3 near the offsite dry-cleaning facility.

On July 12, 2017, four soil borings ((230)SB-1 to (230)SB-4) were advance north and northwest of the 230 Grand Avenue building (Figure 3). It should be noted that the prefix "(230)" was added by AEI to each boring to differentiate between borings completed in 2016 and is not included in the laboratory analytical report. The borings were advanced by California C57 Licensed drilling contractor ECA using a track mounted drilling rig. The borings were advanced to a depth of up to 10 feet below ground surface (bgs). The location and purpose of each boring are listed below:

- Borings (230)SB-1 and (230)SB-3 were advanced to a depth of 28 and 36 feet bgs, respectively to assess the presence of USTs and current soil and groundwater conditions near the potential former USTs.
- Boring (230)SB-1 and (230)SB-4 were advanced to a depth of 16 feet bgs to assess the presence of USTs and current shallow soil conditions near the potential former USTs.

The borings were advanced using approximately 2-inch outer diameter rods and samples were collected by advancing the rods with acetate sample liners. At each boring, the core was retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite geologist.

The soil borings were logged using the Unified Soil Classification System. A photo ionization detector (PID) was used to screen soil samples in the field and the PID readings for each sample were included on the boring logs (Appendix A). Selected soil samples were sealed with Teflon tape and plastic end caps.

Down-hole equipment was decontaminated using a triple rinse system containing detergent.

2.5 Groundwater Sample Collection

On July 12, 2017, groundwater was collected from borings (230)SB-1 and (230)SB-3 using temporary PVC casing inserted into the borehole and collected using a peristaltic pump. Following drilling activities, groundwater was measured at 26 feet bgs in (230)SB-1 and 34.8 feet bgs in (230)SB-3.

2.6 Soil Gas Sample Collection

Borings SG-6 to SG-8 were completed as soil gas probes. The soil gas samples were collected at a depth of approximately 5.5 feet bgs by first completing soil sampling as described above using direct-push technology. The probe was then installed using a probe constructed of 0.25-inch diameter Teflon tubing connected to an approximately 1-inch probe tip. The probe tip was placed in the middle of an annular filter pack composed of #2/12 Sand placed between 4.5 and 5.5 feet

bgs. The probe was then sealed with a 1-foot layer of dry granular bentonite followed by hydrated granular bentonite to just below ground surface.

Prior to sample collection, the sampling train was vacuum checked to verify if any large leaks were present in the sampling train. During sampling, a leak check was performed by applying helium under the shroud. A total of 3 volumes of air were purged from the probe and a sample was collected through a laboratory-supplied regulator set at approximately 150 milliliters per minute.

The soil gas samples were collected in 1-liter summa canisters. Each canister was individually checked, tested and certified by the laboratory for air tightness and proper vacuum prior to shipping. Prior to sampling, a vacuum gauge was used to measure and record the initial summa canister vacuum pressure. Once sampling was conducted, each summa canister was sealed with a slight vacuum remaining.

2.7 Boring Destruction

Following completion of sample collection and removal of tooling, the borings were backfilled with neat cement grout completed at the surface with concrete dyed to match the surrounding conditions.

2.8 Laboratory Analyses

The soil samples were labeled and placed into a cooler with ice following sampling. The samples were transferred under appropriate chain-of-custody documentation to McCampbell Analytical, Inc. of Pittsburg, California. Laboratory analytical documentation is provided in Appendix B.

Laboratory analysis of select soil consisted of the following:

- Chlorinated Volatile Organic Compounds by EPA Method 8260 (6 samples)
- Title 22 Metals (CAM 17) by EPA 6010 TTLC (24 samples)
- TPH diesel, motor oil by EPA method 8015m (10 samples)
- Volatile Organic Compounds by EPA Method 8260 (4 samples)
- Organochlorine Pesticides (OCP) by EPA 8081 (7 samples)
- TPH gasoline, diesel, and motor oil (TPH Multi-range) by EPA method 8015m (8 samples)
- Benzene, toluene, ethylbenzene, xylenes, and methyl-tertiary butyl ether (BTEX/MTBE) by EPA Method 8021B (8 samples)

Following receipt of the initial results, soil samples which contained metals that exceeded 10 times the soluble threshold limit concentration (STLC), were additionally using an STLC extraction to assist with disposal options. The samples containing lead or chromium present above 100 milligrams per kilogram (mg/kg) were additionally analyzed using a toxicity characteristic leaching procedure (TCLP) as well.

Laboratory analysis of groundwater consisted of the following:

- TPH multi-range EPA Method 8015 (2 samples)
- BTEX/MTBE by EPA 8021B (2 samples)

The soil gas samples were labeled and transferred under appropriate chain-of-custody documentation to ESC Lab Sciences of Mount Juliet, Tennessee. Laboratory analytical documentation is provided in Appendix B. Laboratory analysis of three soil gas consisted of VOCs by EPA Method TO15 (3 samples).

2.7 Investigation Derived Wastes

Investigation derived waste was left temporarily onsite in labeled 55-gallon drums and as of the date of this report is being scheduled for disposal.

3.0 FINDINGS

To provide context to the data obtained during this investigation, analytical results are compared to available regulatory screening levels. The California Environmental Protection Agency (CalEPA) has the responsibility for overseeing soil and groundwater cleanups which are managed under a variety of regulatory programs. The results of this investigation were compared to the Regional Water Quality Control Board (RWQCB) ESLs if available. For chemicals for which an ESL was not available, results were compared to the US EPA Region 9 Regional Screening Levels (RSLs) last updated in May 2016. Given the understanding that this site is under consideration for residential development, the values selected for comparison are those designed for residential land uses.

For soil gas data, no RSLs are available. Therefore, to establish comparison values for soil gas, an attenuation factor of 0.002 was applied to the published RSLs for indoor air based on the RWQCB recommended attenuation factor for residential with slab on grade construction as detailed in the RWQCB User's Guide: Derivation and Application of ESLs interim final 2016.

3.1 Geology and Hydrogeology

Sediment encountered in each of the borings generally consisted of a silt and clay mixture to approximately 13 feet bgs, with the exception of SB-11 which consisted of mostly of gravel and sand to a depth of 10 feet bgs. Increased sand and gravel content was observed at approximately 13 feet bgs to a depth of approximately 31 feet bgs where clay was observed to the maximum depth logged, 33 feet bgs. Please refer to the boring logs in Appendix A for specific details.

Based on information found on the State website *Geotracker* for the property located at 1295 West San Carlos Street (south of the Site), groundwater is anticipated to be present at a depth of 30-35 feet bgs. Groundwater was initially encountered at a depth of 28 and 36 feet bgs during the recent investigation and was measured at 26 feet and 34.8 feet bgs after drilling. The water bearing sediment in (230)SB-1 consisted of a soft, wet sandy clay estimated to consist of approximately 40-50% sand fine grained sand.

3.2 Soil Sample Analytical Results

The following information is a summary of the soil sample analytical test results (Appendix B). This information has also been included in Tables 1 to 3.

Hydrocarbons and VOCs (Table 1)

- TPH as diesel (TPHd) and TPH as motor oil (TPHmo) were detected in several of the borings at relatively low concentrations. The highest concentration observed was in SB-11-2 at 290 mg/kg. None of the detections exceed the respective ESL. Based on this data, elevated TPH concentrations observed in (230)SB-4 appear to be limited to the upper 2 feet. TPH and hydrocarbons were not detected in any of the soil samples near the suspected former UST areas.
- VOCs were not reported at or above the laboratory detection limit in the soil samples analyzed.

Metals (Table 2)

Metals were detected in several of the soil samples analyzed. Metals were generally observed either below their ESL or at expected background level for soils in the Bay Area, except where noted below. The following observations can be made regarding the detections:

- Chromium was detected at concentrations ranging from 33 mg/kg to 190 mg/kg. The STLC extraction analysis detected chromium at concentrations ranging from 0.11 milligrams per liter (mg/L) to 0.37 mg/L, all below the 5.0 mg/L STLC criteria for hazardous waste classification. TCLP extraction analysis did not report chromium at or above the laboratory detection limits.
- Three lead samples were observed above the ESL of 80 mg/kg. SG-7-2 was reported to contain lead at a concentration of 280 mg/kg, SG-8-2 was reported to contain lead at a concentration of 180 mg/kg, and SB-11-4 was reported to contain lead at a concentration of 82 mg/kg. The STLC extraction analysis detected lead at concentrations ranging from 1.2 mg/L to 13 mg/L, two of which were above 5.0 mg/L STLC criteria for California hazardous waste classification. TCLP extraction analysis, used for RCRA classification, did not report lead at or above the laboratory detection limits.
- Nickel was detected in three samples above the ESL of 86 mg/kg; in SG-8-2 at a concentration of 110 mg/kg, in SB-11-10 at a concentration of 130 mg/kg and in SB-12-2 at a concentration of 320 mg/kg. The one STLC extraction analysis detected nickel at 1.4 mg/L, well below the STLC criteria of 20 mg/L.

Pesticides (Table 3)

OCPs were either reported below laboratory detection limits or detected but below the lowest (Tier 1) ESL with the exception of dieldrin in SG-6-2 and SB-11-2. In these samples, dieldrin was detected at a concentration of 0.00035 and 0.00043 mg/kg respectively, above the ESL of 0.00017 mg/kg. It should be noted that this Tier 1 ESL is based on a leaching scenario to groundwater, and given the depth to groundwater (35 feet bgs), this is not expected to represent a complete exposure pathway. A more appropriate ESL would be the residential direct contact ESL of 0.038 mg/kg, which the reported concentration did not exceed.

3.3 Groundwater Sample Analytical Results

The following information is a summary of the groundwater sample analytical test results (Appendix B). This information has also been included in Table 5. TPHd was detected in one groundwater sample, (230)SB-3 at a concentration of 60 micrograms per liter (µg/L). This is below the ESL of 100 µg/L. TPHg, TPHmo, and BTEX/MTBE were not detected at or above the laboratory detection limit in the two groundwater samples analyzed.

3.4 Soil Gas Sample Analytical Results

The following information is a summary of the soil gas sample analytical test results (Appendix B). This information has also been included in Table 4.

- Benzene was detected in all three soil gas samples at concentrations of 3.84 micrograms per meter cubed (µg/m^3) to 14.7 µg/m^3 which do not exceed the ESL of 48 µg/m^3.
- PCE was reported in all three soil gas samples at concentrations of 36.1 µg/m^3 to 116 µg/m^3, none of which exceed the ESL of 240 µg/m^3.
- Ethylbenzene was detected in SG-6 at a level of 1,030 µg/m^3 which does exceed the ESL of 560 µg/m^3.
- Several other VOCs were reported which did not exceed the respectively screening level if available.
- The leak check compound, helium, was detected, but was not above 5 percent, indicating that a significant leak was not present.

4.0 SUMMARY AND CONCLUSIONS

AEI has completed the additional subsurface investigation at the Site. The purpose of the investigation was to further evaluate the nature and extent of apparent impacts relating to the adjacent dry-cleaning facility and to further assess shallow soil conditions for contaminants that may increase soil handling and disposition costs during site work. In addition, the most recent field investigation focused on USTs that may have impacted the Site. A total of 11 borings (SB-11 to SB-14, (230)SB-1 to (230)SB-4 and SG-6 to SG-8) were advanced at the Site for the collection of soil and/or soil gas samples.

Shallow Soil Conditions

Soil samples indicated elevated concentrations of hydrocarbons and certain metals discontinuously present throughout the Site. These concentrations and distribution suggest irregular and localized impacts by petroleum, metals, and to a lesser extent pesticides in shallow soil. AEI understands that the development under consideration would necessitate removal of several to up to approximately 10 feet vertically of soils across portions of the site. Based on this, it is expected that the identified shallow soil impacts would be removed. Elevated hydrocarbon and metals concentrations appears to be limited to the upper 2 feet of soil at the Site. As development and grading plans evolve, the results of these investigations should be utilized to plan for proper disposal of soils; it is expected that certain soils will not be accepted as

"clean" and may require disposal at a Class II/III landfill facility or as California non-RCRA hazardous waste. With appropriate planning, it is expected that remaining soils will not exceed residential land use levels.

Adjacent Dry-Cleaning Facility

Results of the addition testing are consistent with those from the prior investigation, confirming the conclusion that a release of PCE, likely from the dry-cleaning facility, has occurred but that impacts to the Site appear minimal. Although sampling the area of the 235-237 building was planned, access was not granted and, as such, the building footprint remains a data gap. The presence of PCE in soil gas appears to be limited and should not preclude development of the Site, however, should a structure be developed within the 235-237 building footprint, additional investigation and potentially mitigation measures may be needed.

253 Race Street/230 Grand Avenue –Historical USTs

Results from the recent investigation indicated two potential former locations for USTs; however, did not indicate the presence of USTs in these locations during drilling. Soil and groundwater samples did not contain hydrocarbons with the exception of the groundwater sample from SB-3 which contained TPHd at a concentration of 60 µg/L, well below the ESL of 100 µg/L. Based on these findings, it does not appear that widespread hydrocarbon contamination is present in soil or groundwater beneath the Site in the apparent area of the historical USTs. The USTs or their prior locations cannot be confirmed by the available site records or geophysical assessment, and therefore it is possible that a UST(s) may be encountered during site grading. As such a contingency plan is recommended to outline proper response actions should that occur. Otherwise, based on the findings of this assessment and without any further information, no further assessment is recommended at this time regarding the USTs.

5.0 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.

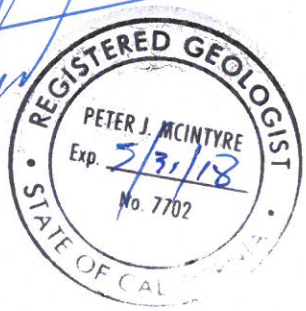
This investigation was prepared for the sole use and benefit of Core Affordable Housing, LLC. All reports, both verbal and written, whether in draft or final, are for the benefit of Core Affordable Housing, LLC. This report has no other purpose and may not be relied upon by any other person or entity 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 Core Affordable Housing, LLC. 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 the undersigned.

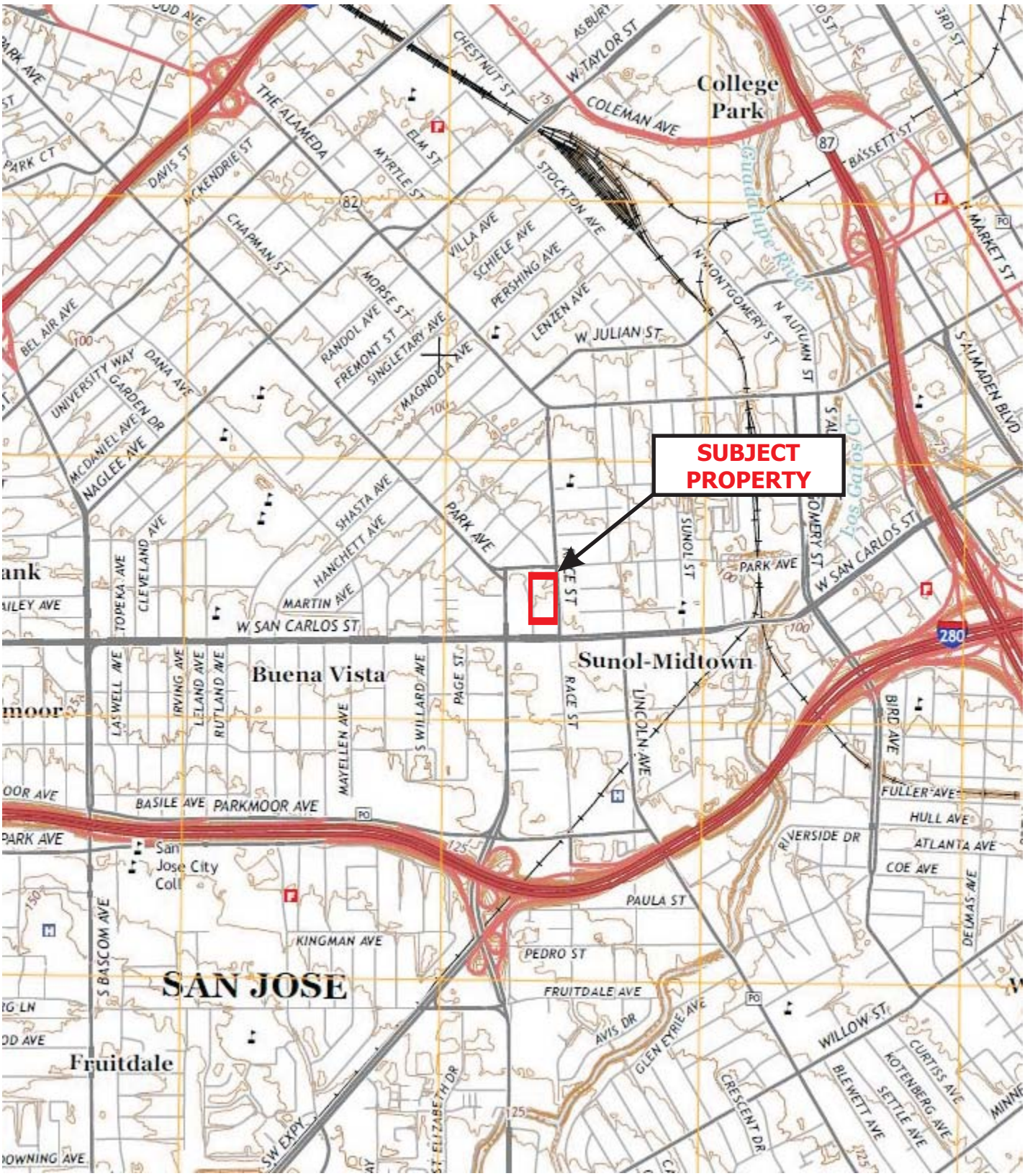
Sincerely,
AEI Consultants

Jeremy Smith
Senior Project Manager

Peter McIntyre, PG
Executive Vice President



FIGURES



LEGEND

0 1,000 2,000

SCALE: 1" = 2,000'

N

Map: San Jose West Quadrangle
Date: 2015
Source: USGS

AEI Consultants

2500 Camino Diablo, Walnut Creek, California

SITE LOCATION MAP

237-253 Race Street
216-260 Grand Avenue
San Jose, California

FIGURE 1
Project No. 365735

LEGEND

- Approximate Property Boundary
- Dry Cleaning Facility
- Former Gasoline Station

0 65 130

APPROXIMATE SCALE: 1″ = 130′

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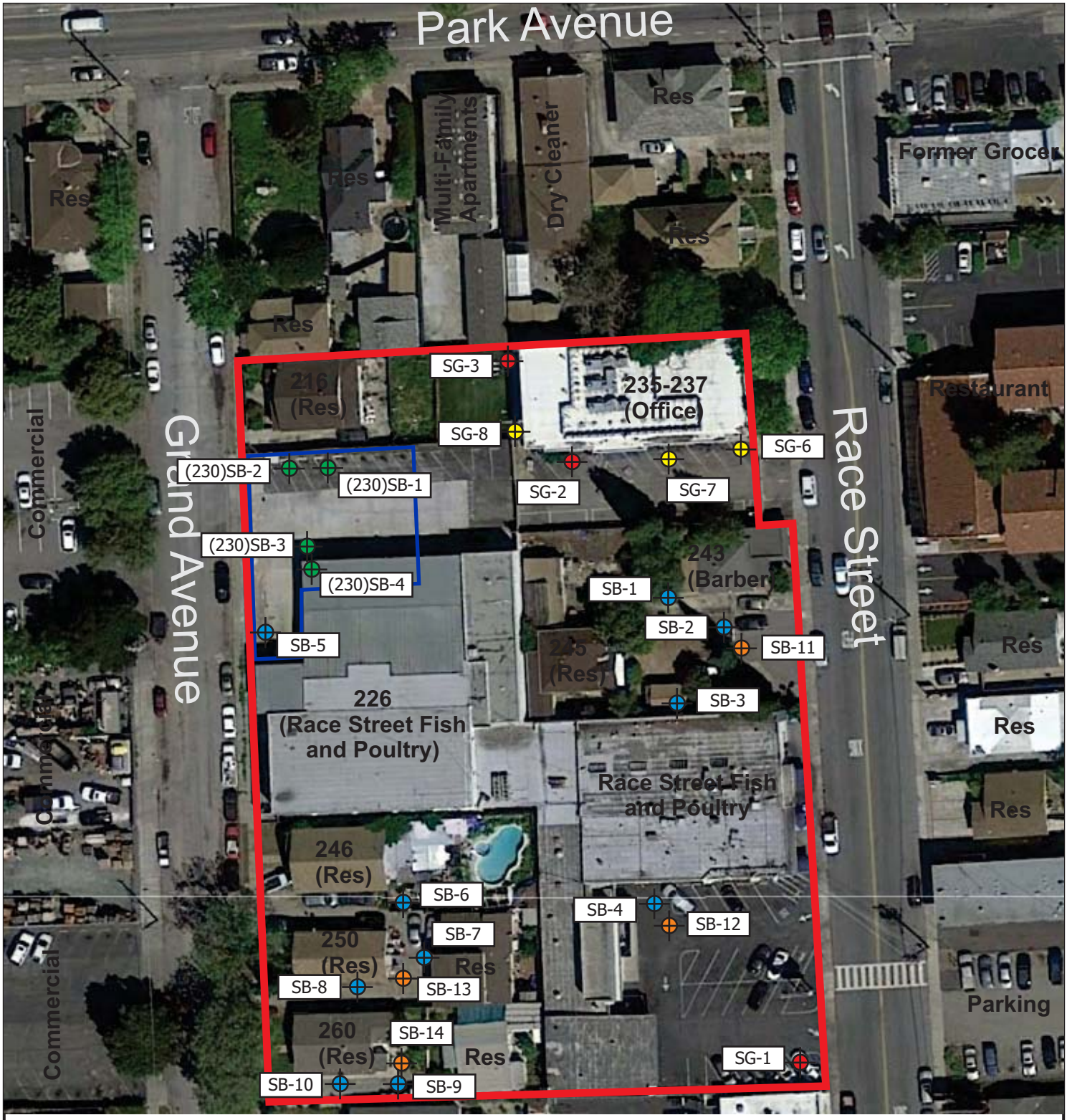
2500 Camino Diablo, Walnut Creek, California

EXTENDED SITE MAP

237-253 Race Street
216-260 Grand Avenue
SAN JOSE, CALIFORNIA

FIGURE 2
Project No. 365735



N

0 30 60

APPROXIMATE SCALE: 1″ = 60′

LEGEND

- Approximate Property Boundary
- Soil Gas Point (Dec. 2016)
- Soil Boring (Dec. 2016)
- 2017 Geophysical Survey Extents
- Soil Gas Point (May 2017)
- Soil Boring (May 2017)
- Soil Boring (July 2017)

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2500 Camino Diablo, Walnut Creek, California

SITE MAP

237-253 Race Street
216-260 Grand Avenue
SAN JOSE, CALIFORNIA

FIGURE 3
Project No. 365735

TABLES

TABLE 1: SOIL SAMPLE DATA SUMMARY
Race Street and Grand Avenue, San Jose, CA

Location ID	Date	Depth (feet bgs)	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (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)
SG-2-3.5	11/21/2016	3.5	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SG-3-3.5	11/21/2016	3.5	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SB-1-0.5	11/21/2016	0.5	<1.0	1.9	47	--	--	--	--	--	--
SB-2-0.5	11/21/2016	0.5	<1.0	8.5	69	--	--	--	--	--	--
SB-3-0.5	11/21/2016	0.5	<1.0	1.9	<5.0	--	--	--	--	--	--
SB-4-0.5	11/21/2016	0.5	<1.0	140	2,500	--	--	--	--	--	--
SB-5-0.5	11/21/2016	0.5	<1.0	1.2	8.7	--	--	--	--	--	--
SB-6-0.5	11/21/2016	0.5	<1.0	<1.0	7.4	--	--	--	--	--	--
SB-7-0.5	11/21/2016	0.5	<1.0	<1.0	<5.0	--	--	--	--	--	--
SB-8-0.5	11/21/2016	0.5	<1.0	<1.0	<5.0	--	--	--	--	--	--
SB-9-0.5	11/21/2016	0.5	<1.0	6.0	58	--	--	--	--	--	--
SB-10-0.5	11/21/2016	0.5	<1.0	27	120	--	--	--	--	--	--
SG-7-2	5/15/2017	2	--	7.1	49	--	--	--	--	--	--
SG-7-6	5/15/2017	6	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SG-7-10	5/15/2017	10	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SG-8-2	5/15/2017	2	--	1.1	14	--	--	--	--	--	--
SG-8-6	5/15/2017	6	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SG-8-10	5/15/2017	10	--	--	--	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SB-11-2	5/15/2017	2	--	<10	290	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SB-12-2	5/15/2017	2	--	5.4	42	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SB-12-4	5/15/2017	4	--	<1.0	<5.0	--	--	--	--	--	--
SB-12-6	5/15/2017	6	--	<1.0	<5.0	--	--	--	--	--	--
SB-12-8	5/15/2017	8	--	1.4	5.9	--	--	--	--	--	--
SB-12-10	5/15/2017	10	--	<1.0	<5.0	--	--	--	--	--	--
SB-13-2	5/15/2017	2	--	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
SB-14-2	5/15/2017	2	--	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.005	<RL
253 Race Street/230 Grand Avenue, UST Investigation [1]											
(230)SB-1-12	7/12/2017	12	<1.0	<1.0	<5.0	--	--	--	--	--	<RL
(230)SB-1-18	7/12/2017	18	<1.0	<1.0	<5.0	--	--	--	--	--	<RL
(230)SB-2-12	7/12/2017	12	<1.0	<1.0	<5.0	--	--	--	--	--	<RL
(230)SB-2-16	7/12/2017	16	<1.0	<1.0	<5.0	--	--	--	--	--	<RL
(230)SB-3-4	7/12/2017	4	<1.0	<1.0	<5.0	--	--	--	--	--	<RL
(230)SB-3-12	7/12/2017	12	<1.0	<1.0	<5.0	--	--	--	--	--	<RL
(230)SB-4-12	7/12/2017	12	<1.0	<1.0	<5.0	--	--	--	--	--	<RL
(230)SB-4-16	7/12/2017	16	<1.0	<1.0	<5.0	--	--	--	--	--	<RL
Comparison Values:											
ESL- Tier 1			100	230	5,100	0.42	0.46	0.19	0.67	0.0082	--

Notes:

mg/kg	milligrams per kilogram
<RL	less than the reporting limit
--	not analyzed
bgs	below ground surface
N/A	not analyzed or applicable
TPH-g	Total Petroleum Hydrocarbons as Gasoline using EPA Method 8015
TPH-d	Total Petroleum Hydrocarbons as Diesel using EPA Method 8015
TPH-mo	Total Petroleum Hydrocarbons as Motor Oil using EPA Method 8015
PCE	Tetrachloroethene
TCE	Trichloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
VOCs	volatile organic compounds analyzed using EPA Method 8260B
[1]	(230) added as a prefix to each "Sample ID" to differentiate from 2016 borings. (230) not included on the lab report.

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

TABLE 2: SOIL SAMPLE DATA SUMMARY - METALS
Race Street and Grand Avenue, San Jose, CA

Location ID	Date	Depth (feet bgs)	Sb (mg/kg)	As (mg/kg)	Ba (mg/kg)	Be (mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Cr (STLC) (mg/L)	Cr (TCLP) (mg/L)	Co (mg/kg)	Cu (mg/kg)	Pb (mg/kg)	Pb (STLC) (mg/L)	Pb (TCLP) (mg/L)	Hg (mg/kg)	Mo (mg/kg)	Ni (mg/kg)	Ni (STLC) (mg/L)	Se (mg/kg)	Ag (mg/kg)	Ti (mg/kg)	V (mg/kg)	Zn (mg/kg)
SG-1-0.5	11/21/2016	0.5	--	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SG-2-0.5	11/21/2016	0.5	--	6.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-1-0.5	11/21/2016	0.5	1.1	8.4	190	<0.50	0.75	51	--	--	11	39	190	--	--	0.54	0.96	65	--	<0.50	<0.50	<0.50	43	230
SB-2-0.5	11/21/2016	0.5	--	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-3-0.5	11/21/2016	0.5	0.5	5.4	130	0.57	<0.25	45	--	--	9.6	28	11	--	--	0.071	0.77	61	--	<0.50	<0.50	<0.50	41	62
SB-4-0.5	11/21/2016	0.5	<0.5	5.3	250	<0.50	<0.25	86	--	--	12	16	6.0	--	--	0.084	0.62	150	--	<0.50	<0.50	<0.50	39	42
SB-5-0.5	11/21/2016	0.5	--	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-6-0.5	11/21/2016	0.5	--	5.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-7-0.5	11/21/2016	0.5	0.61	7.1	200	0.79	0.28	61	--	--	15	39	10	--	--	0.056	1.0	82	--	0.51	<0.50	<0.50	55	94
SB-9-0.5	11/21/2016	0.5	0.98	6.8	230	0.58	0.52	46	--	--	10	38	340	--	--	0.26	0.82	60	--	<0.50	<0.50	<0.50	41	260
SG-7-2	5/15/2017	2	1.8	6.9	250	0.54	1.0	56	0.18	--	11	47	280	13	<0.10	0.39	0.95	86	--	0.51	<0.5	<0.5	47	250
SG-7-4	5/15/2017	4	<0.5	5.3	130	0.62	<0.25	53	<0.10	--	11	31	7.8	--	--	0.066	0.83	69	--	<0.5	<0.5	<0.5	46	70
SG-7-6	5/15/2017	6	<0.5	4.7	120	0.51	<0.25	45	--	--	8.8	22	5.9	--	--	0.070	0.54	58	--	<0.5	<0.5	<0.5	40	50
SG-7-10	5/15/2017	10	<0.5	5.0	110	0.51	<0.25	36	--	--	6.1	19	5.3	--	--	0.091	<0.50	38	--	<0.5	<0.5	<0.5	40	45
SG-8-2	5/15/2017	2	1.4	7.1	230	0.52	0.66	55	0.22	--	12	49	180	2.6	<0.10	0.37	1.3	110	--	<0.5	<0.5	<0.5	47	210
SG-8-4	5/15/2017	4	0.62	6.1	150	0.68	<0.25	89	0.18	--	13	34	11	--	--	0.070	0.79	86	--	0.57	<0.5	<0.5	49	83
SG-8-6	5/15/2017	6	<0.5	4.3	110	<0.5	<0.25	44	--	--	7.8	24	5.8	--	--	0.067	0.63	55	--	<0.5	<0.5	<0.5	44	50
SG-8-10	5/15/2017	10	0.54	6.9	150	0.60	<0.25	48	--	--	16	29	7.6	--	--	0.10	1.1	74	--	<0.5	<0.5	<0.5	47	57
SB-11-2	5/15/2017	2	0.86	6.9	130	<0.5	0.31	44	--	--	9.5	26	55	6.9	--	0.49	5.0	53	--	<0.5	<0.5	<0.5	32	85
SB-11-4	5/15/2017	4	0.56	8.7	130	<0.5	<0.25	45	--	--	8.4	27	82	3.6	--	0.099	1.8	57	--	<0.5	<0.5	<0.5	38	97
SB-11-6	5/15/2017	6	<0.5	4.9	120	0.57	<0.25	48	--	--	9.3	23	7.1	--	--	0.066	0.68	62	--	<0.5	<0.5	<0.5	43	56
SB-11-10	5/15/2017	10	<0.5	5.8	120	0.63	<0.25	120	0.12	<0.10	13	35	5.6	--	--	0.061	0.68	130	--	0.78	<0.5	<0.5	44	55
SB-12-2	5/15/2017	2	0.59	5.3	160	<0.5	0.27	190	0.37	<0.10	21	32	35	--	--	0.70	0.70	320	1.4	0.93	<0.5	<0.5	43	91
SB-12-4	5/15/2017	4	<0.5	5.6	150	0.52	<0.25	50	0.11	--	11	28	7.9	--	--	0.12	0.89	65	--	<0.5	<0.5	<0.5	45	65
SB-12-6	5/15/2017	6	<0.5	4.7	120	<0.5	<0.25	45	--	--	9.1	21	5.8	--	--	<0.05	0.89	59	--	<0.5	<0.5	<0.5	40	51
SB-12-10	5/15/2017	10	<0.5	3.6	90	<0.5	<0.25	33	--	--	5.8	16	4.8	--	--	0.25	<0.5	39	--	<0.5	<0.5	<0.5	31	38
SB-13-2	5/15/2017	2	<0.5	5.6	170	0.63	0.27	51	0.15	--	12	33	9.4	--	--	0.052	0.98	69	--	0.52	<0.5	<0.5	47	84
SB-13-4	5/15/2017	4	<0.5	5.4	140	0.57	<0.25	50	0.11	--	11	28	7.1	--	--	<0.05	0.75	68	--	<0.5	<0.5	<0.5	46	65
SB-13-6	5/15/2017	6	<0.5	3.8	110	<0.5	<0.25	43	--	--	7.8	21	6.6	--	--	<0.05	0.70	55	--	<0.5	<0.5	<0.5	38	49
SB-13-10	5/15/2017	10	<0.5	3.6	130	0.63	<0.25	36	--	--	5.3	16	6.5	--	--	<0.05	<0.5	39	--	<0.5	<0.5	<0.5	33	43
SB-14-2	5/15/2017	2	0.66	7.0	210	0.71	0.38	59	0.22	--	13	40	78	1.2	--	0.19	1.2	78	--	0.61	<0.5	<0.5	54	160
SB-14-4	5/15/2017	4	0.53	6.0	150	0.59	<0.25	56	0.14	--	11	28	8.0	--	--	<0.05	0.96	77	--	<0.5	<0.5	<0.5	50	67
SB-14-6	5/15/2017	6	<0.5	4.3	100	<0.5	<0.25	44	--	--	8.6	21	5.6	--	--	<0.05	0.59	57	--	<0.5	<0.5	<0.5	39	47
SB14-10	5/15/2017	10	<0.50	5.3	120	0.57	<0.25	52	<0.10	--	8.2	26	7.1	--	--	0.083	0.67	65	--	<0.5	<0.5	<0.5	43	60
Comparison Values:																								
TTLC (mg/kg)		-	500	500	10,000	75	100	2,500	-	500	8,000	2,500	1,000	-	-	20	3,500	2,000	--	100	500	700	2,400	5,000
STLC (mg/L)		-	15	5.0	100	0.75	1.0	5.0	5.0	5.0	80	25	5.0	5.0	5.0	0.2	350	20	20	1.0	5.0	7.0	24	250
TCLP (mg/L)		-	-	5.0	100	NA	1.0	5.0	5.0	5.0	-	-	5.0	5.0	5.0	0.2	-	-	--	1.0	5.0	-	-	-
ESL - Default Tier 1			31	0.067 [1]	2,900	40	39	-	-	0.3	23	3,100	80	-	-	13	390	86		390	390	0.78	600	23,000

Notes:

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
<0.5	Less than the stated reporting limit
--	Not Analyzed or applicable
bgs	Below ground surface
[1]	Arsenic concentrations from Establishing Background Arsenic in Soil of the San Francisco Bay Region, December 2011 study indicate background levels of arsenic in California Bay Are soil typically range between 1.2 and 22 mg/kg.

Sb	Antimony	As	Arsenic	Ba	Barium
Be	Berrylium	Cd	Cadmium	Cr	Total Chromium
Co	Cobalt	Cu	Copper	Pb	Lead
Hg	Mercury	Mo	Molybdenum	Ni	Nickel
Se	Selenium	Ag	Silver	Ti	Thallium
V	Vanadium	Zn	Zinc		

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 Boar

TTLC	Total Threshold Limit Concentration (if exceeded, material is considered hazardous)
STLC	Soluble Threshold Limit Concentration (if the TTLC value is 10x STLC standard, analyze for STLC. If STLC result exceeded, material considered hazardous
TCLP	Toxicity Characteristic Leaching Procedure

TABLE 3: SOIL SAMPLE DATA SUMMARY - PESTICIDES
Race Street and Grand Avenue, San Jose, CA

Location ID	Date	Depth (feet bgs)	a-Chlordane (mg/kg)	g-Chlordane (mg/kg)	p,p-DDD (mg/kg)	p,p-DDE (mg/kg)	p,p-DDT (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin ketone (mg/kg)
SG-1-0.5	11/21/2016	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SG-2-0.5	11/21/2016	0.5	0.0029	0.0026	0.0018	0.0061	0.014	<0.0020	0.0033	<0.0020	<0.0020
SB-1-0.5	11/21/2016	0.5	0.0024	0.0029	<0.0030	0.070	0.055	0.0021	0.0027	<0.0020	0.00065
SB-2-0.5	11/21/2016	0.5	<0.0020	<0.0020	0.00067	0.022	0.008	<0.0020	<0.0020	<0.0020	<0.0020
SB-3-0.5	11/21/2016	0.5	<0.0010	<0.0010	<0.0010	0.0018	0.0014	<0.0010	<0.0010	<0.0010	<0.0010
SB-4-0.5	11/21/2016	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SB-5-0.5	11/21/2016	0.5	0.00065	0.00067	<0.00080	0.0035	0.0062	0.0004	<0.00080	<0.0010	<0.0010
SB-6-0.5	11/21/2016	0.5	0.0012	0.00092	0.00021	0.00086	0.0010	<0.0010	0.0013	<0.0010	<0.0010
SB-8-0.5	11/21/2016	0.5	0.00055	0.00047	0.00041	0.0045	0.0022	<0.0010	<0.0010	<0.0010	<0.0010
SB-9-0.5	11/21/2016	0.5	0.0011	0.0013	0.00044	0.0042	0.0020	<0.0020	<0.0020	<0.0020	<0.0020
SG-6-2	5/15/2017	2	<0.0010	<0.0010	0.00052	0.012	0.011	0.00035	<0.0010	<0.0010	<0.0010
SG-7-2	5/15/2017	2	0.0016	0.002	0.003	0.004	0.00079	<0.0010	<0.0010	<0.0010	<0.0010
SG-8-2	5/15/2017	2	0.0023	0.0019	0.00068	0.0097	0.014	<0.0010	<0.0010	<0.0010	<0.0010
SB-11-2	5/15/2017	2	0.0015	0.00089	0.0029	0.086	0.031	0.00043	<0.0010	<0.0010	<0.0010
SB-12-2	5/15/2017	2	<0.0010	<0.0010	0.0002	0.002	0.0012	<0.0010	<0.0010	<0.0010	<0.0010
SB-13-2	5/15/2017	2	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
SB-14-2	5/15/2017	2	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Comparison Values:											
ESL- Tier 1			0.48	0.48	2.7	1.9	1.9	0.00017	0.0046	--	--
ESL- Direct Contact			0.48	0.48	2.7	1.9	1.9	0.038	420	--	--
TTLC			2.5	2.5	1	1	1	8	--	--	--
STLC			0.25	0.25	0.1	0.1	0.1	0.8	--	--	--
TCLP			0.03	0.03	--	--	--	--	--	--	--

Notes:

mg/kg	milligrams per kilogram
<0.20	less than the stated reporting limit
bgs	below ground surface
N/A	not applicable
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
Bold	Result exceeds a regulatory screening level
---	No established regulatory screening level

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 (Residential Exposure); ESLs from February 2016 (Rev. 3) ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board

TTLC	Total Threshold Limit Concentration (if exceeded, material is considered hazardous)
STLC	Soluble Threshold Limit Concentration (if the TTLC value is 10x STLC standard, analyze for STLC. If STLC result exceeded, material considered hazardous
TCLP	Toxicity Characteristic Leaching Procedure

TABLE 4: SOIL GAS SAMPLE DATA SUMMARY
Race Street and Grand Avenue, San Jose, CA

Location ID	Date	Depth (feet bgs)	Benzene (µg/m^3)	Toluene (µg/m^3)	Xylenes (µg/m^3)	PCE (µg/m^3)	1,2,4-Trimethyl-benzene (µg/m^3)	1,3-Butadiene (µg/m^3)	1,3,5-Trimethyl-benzene (µg/m^3)	2-Butanone (µg/m^3)	4-Ethyl Toluene (µg/m^3)	Acetone (µg/m^3)	Carbon Disulfide (µg/m^3)	Chloromethane (µg/m^3)	Cyclohexane (µg/m^3)	Dichloro-difluoromethane (µg/m^3)	CIS-1,2-Dichloroethene (µg/m^3)	1,2-Dichloropropane (µg/m^3)
SG-1	11/21/2016	5	6.0	7.7	33.8	<6.8	9.6	<2.2	7.3	8.1	7.5	67	3.7	<2.1	53	28	<4.0	<4.6
SG-2	11/21/2016	5	<3.2	<3.8	<17	210	<4.9	<2.2	<4.9	<2.9	<4.9	6.8	<3.1	<2.1	<3.4	9.3	<4.0	<4.6
SG-3	11/21/2016	5	<3.2	11	<17	20	<4.9	9.1	<4.9	4.4	<4.9	7.4	3.2	<2.1	<3.4	<4.9	<4.0	<4.6
SG-6	5/15/2017	5	7.56	<1.51	5670	36.1	41	<8.85	11.4	118	32	9510	2.2	3.74	8.62	7.78	20.7	<1.85
SG-7	5/15/2017	5	14.7	200	87.9	116	7.1	<8.85	2.51	124	7.38	2660	4.15	1.21	15.20	15.8	<1.59	17.1
SG-8	5/15/2017	5	3.84	28	16.49	46.6	3.51	<8.85	<1.96	7.53	3.12	27.8	1.24	0.826	3.00	1.98	<1.59	<1.85
Comparison Values:																		
ESL-VI:	--	--	48	160,000	52,000	240	--	--	--	260,000	--	1,500,000	--	47,000	--	--	4,200	140
RSL - VI	--	--	--	--	--	--	3,650	47	--	--	--	--	365,000	4,700	3,150,000	50,000	--	--

Notes:

µg/m^3	micrograms per cubic meter
<2.2	less than the stated laboratory reporting limit
N/A	not applicable
NA	not analyzed
bgs	below ground surface
--	not available or applicable
PCE	Tetrachloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
MIBK	4-Methyl-2-pentanone
Bold	Result exceeds a Comparison Value

Comparison Values:

ESL - 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

RSL - Res VI Vapor Intrusion Screening Level calculated from the US EPA (Regional Screening Levels, Summary Table, May 2016)
Vapor intrusion calculated using attenuation factor (0.002) for residential buildings with near source vapor contaminants

TABLE 4: SOIL GAS SAMPLE DATA SUMMARY
Race Street and Grand Avenue, San Jose, CA

Location ID	Date	Depth (feet bgs)	1,1-Difluoroethane (µg/m³)	1,4-Dioxane (µg/m³)	Ethanol (µg/m³)	Ethylbenzene (µg/m³)	Heptane (µg/m³)	n-Hexane (µg/m³)	Methylene Chloride (µg/m³)	MIBK (µg/m³)	2-Propanol (µg/m³)	Propene (µg/m³)	Tetrahydrofuran (µg/m³)	2,2,4-Trimethylpentane (µg/m³)	2-Propanol (Leak Check) (µg/m³)	Helium (Leak Check) %	Remaining VOCs (µg/m³)
SG-1	11/21/2016	5	NA	<3.6	11	<4.3	NA	NA	<3.5	<4.1	NA	NA	NA	<4.7	19	N/A	<RL
SG-2	11/21/2016	5	NA	<3.6	4.0	<4.3	NA	NA	<3.5	<4.1	NA	NA	NA	<4.7	13	N/A	<RL
SG-3	11/21/2016	5	NA	<3.6	2.5	<4.3	NA	NA	<3.5	<4.1	NA	NA	NA	<4.7	8.5	N/A	<RL
SG-6	5/15/2017	5	17.8	<1.44	107	1030	21.8	21.9	1.41	118	20100	10.8	11.4	<1.87	N/A	3	<RL
SG-7	5/15/2017	5	53.3	9.57	168	19.8	21.4	53.4	2.37	15.2	4890	39.9	<1.18	16	N/A	3.6	<RL
SG-8	5/15/2017	5	2.34	<1.44	10.7	3.37	2.62	3.59	<1.39	<10.2	21.7	6.36	2.81	3.67	N/A	0.7	<RL
Comparison Values:																	
ESL-VI:	--	--	--	180	--	560	--	--	510	1,600,000	--	--	--	--	--	--	--
RSL - VI	--	--	2,100,000	280	--	550	--	36,500	31,500	155,000	--	--	--	--	--	--	--

Notes:

µg/m³	micrograms per cubic meter
<2.2	less than the stated laboratory reporting limit
N/A	not applicable
NA	not analyzed
bgs	below ground surface
--	not available or applicable
PCE	Tetrachloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
trans-1,2-DCE	trans-1,2-Dichloroethene
MIBK	4-Methyl-2-pentanone
Bold	Result exceeds a Comparison Value

Comparison Values:

ESL - 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

RSL - Res VI Vapor Intrusion Screening Level calculated from the US EPA (Regional Screening Levels, Summary Table, May 2016)
Vapor intrusion calculated using attenuation factor (0.002) for residential buildings with near source vapor contaminants

TABLE 5: GROUNDWATER SAMPLE DATA SUMMARY
Race Street and Grand Avenue, San Jose, CA

Location ID	Date	Depth (feet bgs)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
(230)SB-1-GW	7/12/2017	26	<50	<50	<250	<0.50	<0.50	<0.50	<1.5	<5.0
(230)SB-3-GW	7/12/2017	34.8	<50	60	<250	<0.50	<0.50	<0.50	<1.5	<5.0
Comparison Values:										
ESL Tier 1:		--	100	100	--	1	40	13	20	5

Notes:

µg/L	micrograms per liter
<RL	less than the laboratory reporting limit
NA	not analyzed
bgs	below ground surface
--	not applicable
TPH-g	Total Petroleum Hydrocarbons as Gasoline
TPH-d	Total Petroleum Hydrocarbons as Diesel
TPH-mo	Total Petroleum Hydrocarbons as Motor Oil
MTBE	Methyl-tert butyl ether
[1]	(230) added as a prefix to each "Sample ID" to differentiate from 2016 borings. (230) not included on the lab report.

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

APPENDIX A

BORING LOGS

BORING NUMBER SB-11

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME 237-253 Race St, 216-260 Grand Ave
PROJECT NUMBER 365735
PROJECT LOCATION San Jose, California
DATE STARTED 5/15/17 **COMPLETED** 5/15/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					0.3 ASPHALT	
					CLAYEY GRAVEL (GP), dark grayish brown (3/2 10YR), moist, loose, gravel up to one inch in diameter and poorly graded, no plasticity	
2.5	SB-11-2		0.2		3.0	
					GRAVELLY SAND (SW), yellowish brown (5/6 10YR), loose, moist, about 75% sand	
	SB-11-4		0.0			
5.0						
	SB-11-6		0.0			
7.5						
	SB-11-8		0.0			
10.0	SB-11-10		0.0		10.0	

Bottom of borehole at 10.0 feet.

BORING NUMBER SB-12

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME 237-253 Race St, 216-260 Grand Ave
PROJECT NUMBER 365735
PROJECT LOCATION San Jose, California
DATE STARTED 5/15/17 **COMPLETED** 5/15/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					0.3 ASPHALT	
					SILTY GRAVEL (GP), dark grayish brown (3/2 10YR), dry, loose, no plasticity	
					1.5 CLAY (CH), very dark brown (2/2 10YR), moist, high plasticity, stiff, 3 inch thick gravel lense at about 2.5 feet bgs	
2.5	SB-12-2		0.0			
	SB-12-4		4.6			
5.0					5.0 SILTY SAND (SP) with trace gravel, yellowish brown (4/6 10YR), moist, meium dense, no plasticity	
	SB-12-6		0.0			
7.5						
	SB-12-8		0.0			
	SB-12-10		0.0			
10.0					10.0	

Bottom of borehole at 10.0 feet.

BORING NUMBER SB-13

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME 237-253 Race St, 216-260 Grand Ave
PROJECT NUMBER 365735
PROJECT LOCATION San Jose, California
DATE STARTED 5/15/17 **COMPLETED** 5/15/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					0.2 ASPHALT	
					SILTY CLAY (CL), with trace sand, dark yellowish brown (3/4 10YR), stiff, moist, low plasticity	
2.5	SB-13-2		0.0			
	SB-13-4		0.0			
5.0						
					6.0	
	SB-13-6		0.0		CLAYEY SAND (SW), yellowish brown (5/6 10YR), loose, moist, well graded fine grain sand	
7.5					7.5	
					SANDY CLAY (CL), dark yellowish brown (3/4 10YR), soft, moist, low plasticity	
	SB-13-8		0.0			
	SB-13-10		2.1			
10.0					10.0	

Bottom of borehole at 10.0 feet.

BORING NUMBER SB-14

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME 237-253 Race St, 216-260 Grand Ave
PROJECT NUMBER 365735
PROJECT LOCATION San Jose, California
DATE STARTED 5/15/17 **COMPLETED** 5/15/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					0.2 ASPHALT	
					SILTY CLAY (CL), dark grayish brown (3/2 10YR), stiff, moist, medium plasticity	
2.5	SB-14-2		0.0			
					4.0	
	SB-14-4		0.0		SANDY SILT (ML), yellowish brown (5/6 10YR), soft, moist, low plasticity	
5.0						
	SB-14-6		0.0			
7.5						
	SB-14-8		0.1			
	SB-14-10		0.0			
10.0					10.0	

Bottom of borehole at 10.0 feet.

AEI BORING - GINT STD US LAB.GDT - 5/24/17 12:10 - P:\COMPANYWIDE PROJECTS\365000 SERIES\365735 SAN JOSE, CA\SM-PHII\FIELD\365735 BORING LOGS 051517.GPJ

BORING NUMBER SG-6

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME 237-253 Race St, 216-260 Grand Ave
PROJECT NUMBER 365735
PROJECT LOCATION San Jose, California
DATE STARTED 5/15/17 **COMPLETED** 5/15/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					0.3 ASPHALT	
					SILTY CLAY (CL), very dark grayish brown (3/2 10YR), stiff, dry, medium plasticity, trace coarse sand	
					2.0	
2.5	SG-6-2		0.0		SILTY CLAY (CL), black (2/1 10YR), stiff, dry, medium plasticity, trace coarse sand	
					4.0	
	SG-6-4		0.0		SILTY CLAY (CL), very dark brown (2/2 10YR), stiff, dry, medium plasticity, trace coarse sand	
5.0					5.5	

Bottom of borehole at 5.5 feet.

BORING NUMBER SG-7

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME 237-253 Race St, 216-260 Grand Ave
PROJECT NUMBER 365735
PROJECT LOCATION San Jose, California
DATE STARTED 5/15/17 **COMPLETED** 5/15/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					0.3 ASPHALT	
					SILTY CLAY (CL) with trace gravel, very dark grayish brown (3/2 10YR), soft, moist, medium plasticity	
					2.0	
2.5	SG-7-2		0.0		CLAY (CH), black (2/1 10YR), medium stiff, moist, high plasticity	
	SG-7-4		0.0		4.5	
5.0					SILTY SAND (SW), yellowish brown (5/6 10YR), loose, moist, medium grain sand, trace gravel	
	SG-7-6		0.0		7.0	
7.5					SILTY SAND (SW), grayish brown (5/2 10YR), loose, moist, medium grain sand, trace gravel	
	SG-7-8		0.0			
	SG-7-10		5.6			
10.0					10.0	

Bottom of borehole at 10.0 feet.

BORING NUMBER SG-8

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME 237-253 Race St, 216-260 Grand Ave
PROJECT NUMBER 365735
PROJECT LOCATION San Jose, California
DATE STARTED 5/15/17 **COMPLETED** 5/15/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					SILTY CLAY (CL) with trace sand and gravel, very dark grayish brown (3/2 10YR), soft, moist, medium plasticity	
2.5	SG-8-2		0.0			
	SG-8-4		0.0			
5.0						
					6.0	
	SG-8-6		0.0		SANDY SILT (ML), yellowish brown (5/6 10YR), soft, moist, no plasticity, fine to medium grain sand	
7.5						
	SG-8-8		0.0			
	SG-8-10		0.0			
10.0					10.0	

Bottom of borehole at 10.0 feet.

BORING NUMBER SB - 1

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME Race Street
PROJECT NUMBER 365735
PROJECT LOCATION 230 Grand Avenue, San Jose, California
DATE STARTED 7/12/17 **COMPLETED** 7/12/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING 28.00 ft
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING 26.00 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 ASPHALT	
	SB-1-2		0.9		CLAY (CH), dark brown (3/3 10YR), soft, moist, high plasticity	
					4.0	
	SB-1-4		0.5		SILTY CLAY (CL), yellowish brown (5/4 10YR), soft, moist, medium plasticity	
5						
	SB-1-8		0.7			
10						
	SB-1-12		2.3		13.0	
					SANDY CLAY (CL) with gravel, gray brown (5/2 10YR), soft, moist, 35-40% sand, trace gravel, low plasticity	
15						
	SB-1-16		1.3			
					17.5	
	SB-1-18		1.1		SANDY CLAY (CL), dark yellowish brown (4/4 10YR), soft, moist, 40-50 % fine sand, low plasticity, wet after 18 feet with medium plasticity	
20						
	SB-1-20		1.3			
	SB-1-24		0.4			
25						

(Continued Next Page)

CLIENT Core Development **PROJECT NAME** Race Street

PROJECT NUMBER 365735 **PROJECT LOCATION** 230 Grand Avenue, San Jose, California

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
25					26.0 ▽	
					SANDY CLAY (CL), dark grayish brown (4/2 2.5Y), soft, wet, 40-50 % fine sand, medium plasticity	
	SB-1-28		0.7		28.0 ▽	

Bottom of borehole at 28.0 feet.

AEI Consultants
Environmental & Engineering Services

AEI Consultants

BORING NUMBER SB - 2

CLIENT Core Development
PROJECT NAME Race Street
PROJECT NUMBER 365735
PROJECT LOCATION 230 Grand Avenue, San Jose, California
DATE STARTED 7/12/17 **COMPLETED** 7/12/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 ASPHALT	
					CLAY (CH) with gravel, dark brown (3/3 10YR), soft, moist, about 25% gravel, high plasticity	
	SB-2-2		6.4			
	SB-2-4		3.8		4.5	
5					SILTY CLAY (CL), dark yellowish brown (3/4 10YR), medium stiff, moist, medium plasticity	
	SB-2-8		2.5			
10						
	SB-2-12		6.0		13.5	
					GRAVELLY SAND (SP), light yellowish brown (6/4 10YR)	
15						
	SB-2-16		7.2		16.0	

Bottom of borehole at 16.0 feet.

BORING NUMBER SB - 3

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development **PROJECT NAME** Race Street

PROJECT NUMBER 365735 **PROJECT LOCATION** 230 Grand Avenue, San Jose, California

DATE STARTED 7/12/17 **COMPLETED** 7/12/17 **GROUND ELEVATION** _____ **HOLE SIZE** 2.25 inches

DRILLING CONTRACTOR Environmental Control Associates, Inc. **GROUND WATER LEVELS:**

DRILLING METHOD Direct Push **AT TIME OF DRILLING** 36.00 ft

LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith **AT END OF DRILLING** 34.80 ft

NOTES Hydropunched 33-36 ft. **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 CONCRETE	
	SB-3-2		3.1		CLAY (CH), black (2/1 10YR), stiff, moist, high plasticity	
					4.0	
	SB-3-4		14.7		SILT (ML) with clay, olive brown (4/3 10YR), medium stiff, moist, low plasticity	
5						
	SB-3-8		5.9			
10					10.0	
					CLAY (CL) with silt and trace gravel, olive brown (4/3 10YR), stiff, moist, medium plasticity	
	SB-3-12		6.5			
					13.5	
15					GRAVELLY SAND (SP), dark yellowish brown (3/6 10YR), loose, moist, coarse to fine sand and gravel	
	SB-3-16		5.1			
	SB-3-18					
20						
	SB-3-20		4.4			
					22.0	
			3.0		CLAY (CH), dark yellowish brown (3/6 10YR), wet, soft, high plasticity	
	SB-3-24		4.3		24.5	
25						

(Continued Next Page)

AEI Consultants
Environmental & Engineering Services

AEI Consultants

BORING NUMBER SB - 3

CLIENT Core Development **PROJECT NAME** Race Street

PROJECT NUMBER 365735 **PROJECT LOCATION** 230 Grand Avenue, San Jose, California

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
25					SAND (SP), dark yellowish brown (3/6 10YR), medium firm, wet, poorly graded *(continued)*	
	SB-3-28		5.2			
30					31.0	
			6.3		CLAY (CL), dark yellowish brown (3/6 10YR), soft, wet, medium plasticity	
	SB-3-32				33.0	
35					Unknown due to hydro-punch method	
					36.0 ▽	

Bottom of borehole at 36.0 feet.

BORING NUMBER SB - 4

AEI Consultants

Environmental & Engineering Services

CLIENT Core Development
PROJECT NAME Race Street
PROJECT NUMBER 365735
PROJECT LOCATION 230 Grand Avenue, San Jose, California
DATE STARTED 7/12/17 **COMPLETED** 7/12/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Environmental Control Associates, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Nathan Bricker **CHECKED BY** Jeremy Smith
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.3 CONCRETE	
					SILTY CLAY (CL), dark brown (3/3 10YR). soft, moist, low plasticity	
	SB-4-2		2.1			
	SB-4-4		2.9			
5						
	SB-4-8		1.3		8.5	
					SANDY SILT (ML), dark yellowish brown (3/4 10YR), soft, moist, about 40% fine sand, low plasticity	
10						
	SB-4-12		1.9		13.0	
					GRAVELY SAND (SP), yellowish brown (5/4 10YR), loose, moist, coarse sand, about 30% fine gravel, poorly graded	
15						
	SB-4-16		1.7		16.0	

Bottom of borehole at 16.0 feet.

APPENDIX B

LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

May 22, 2017

AEI Consultants - CA

Sample Delivery Group:	L909865
Samples Received:	05/17/2017
Project Number:	365735
Description:	237 Race St

Report To: Jeremy Smith
2500 Camino Diablo
Walnut Creek, CA 94597

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

TABLE OF CONTENTS

SG-6 L909865-01 Air

Collected by: Nathan Bricker
Collected date/time: 05/15/17 12:39
Received date/time: 05/17/17 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG981262	2	05/19/17 17:36	05/19/17 17:36	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG981609	25	05/20/17 19:34	05/20/17 19:34	MBF

SG-7 L909865-02 Air

Collected by: Nathan Bricker
Collected date/time: 05/15/17 13:04
Received date/time: 05/17/17 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG981262	2	05/19/17 18:18	05/19/17 18:18	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG981609	25	05/20/17 20:16	05/20/17 20:16	MBF

SG-8 L909865-03 Air

Collected by: Nathan Bricker
Collected date/time: 05/15/17 13:45
Received date/time: 05/17/17 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG981262	2	05/19/17 18:59	05/19/17 18:59	MBF

SG-6 L909865-04 Air

Collected by: Nathan Bricker
Collected date/time: 05/15/17 12:39
Received date/time: 05/17/17 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method ASTM 1946	WG981813	10	05/21/17 09:55	05/21/17 09:55	MJ

SG-7 L909865-05 Air

Collected by: Nathan Bricker
Collected date/time: 05/15/17 13:04
Received date/time: 05/17/17 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method ASTM 1946	WG981813	10	05/21/17 10:14	05/21/17 10:14	MJ

SG-8 L909865-06 Air

Collected by: Nathan Bricker
Collected date/time: 05/15/17 13:45
Received date/time: 05/17/17 08:40

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method ASTM 1946	WG981813	1	05/21/17 09:42	05/21/17 09:42	MJ

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	31.2	74.1	4000	9510	E	25	WG981609
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG981262
Benzene	71-43-2	78.10	0.400	1.28	2.37	7.56		2	WG981262
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG981262
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG981262
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG981262
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG981262
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG981262
Carbon disulfide	75-15-0	76.10	0.400	1.24	0.707	2.20		2	WG981262
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG981262
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG981262
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG981262
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG981262
Chloromethane	74-87-3	50.50	0.400	0.826	1.81	3.74		2	WG981262
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG981262
Cyclohexane	110-82-7	84.20	0.400	1.38	2.50	8.62		2	WG981262
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG981262
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG981262
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG981262
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG981262
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG981262
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG981262
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG981262
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG981262
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	5.23	20.7		2	WG981262
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG981262
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG981262
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG981262
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG981262
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG981262
Ethanol	64-17-5	46.10	1.26	2.38	56.8	107		2	WG981262
Ethylbenzene	100-41-4	106	5.00	21.7	238	1030		25	WG981609
4-Ethyltoluene	622-96-8	120	0.400	1.96	6.52	32.0		2	WG981262
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG981262
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	1.57	7.78		2	WG981262
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG981262
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG981262
Heptane	142-82-5	100	0.400	1.64	5.32	21.8		2	WG981262
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG981262
n-Hexane	110-54-3	86.20	0.400	1.41	6.21	21.9		2	WG981262
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG981262
Methylene Chloride	75-09-2	84.90	0.400	1.39	0.407	1.41		2	WG981262
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG981262
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	39.9	118		2	WG981262
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	24.9	102		2	WG981262
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG981262
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG981262
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG981262
2-Propanol	67-63-0	60.10	31.2	76.7	8190	20100	E	25	WG981609
Propene	115-07-1	42.10	0.800	1.38	6.25	10.8		2	WG981262
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG981262
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG981262
Tetrachloroethylene	127-18-4	166	0.400	2.72	5.31	36.1		2	WG981262
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	3.87	11.4		2	WG981262
Toluene	108-88-3	92.10	0.400	1.51	ND	ND		2	WG981262
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG981262

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG981262
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG981262
Trichloroethylene	79-01-6	131	0.400	2.14	ND	ND		2	WG981262
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	8.36	41.0		2	WG981262
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	2.32	11.4		2	WG981262
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG981262
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG981262
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG981262
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG981262
m&p-Xylene	1330-20-7	106	10.0	43.4	946	4100		25	WG981609
o-Xylene	95-47-6	106	5.00	21.7	363	1570		25	WG981609
1,1-Difluoroethane	75-37-6	66.05	0.400	1.08	6.58	17.8		2	WG981262
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*125*				WG981609
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*167*		J1		WG981262

Sample Narrative:

TO-15 L909865-01 WG981262: Surrogate failure due to sample matrix.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	31.2	74.1	1120	2660		25	WG981609
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG981262
Benzene	71-43-2	78.10	0.400	1.28	4.61	14.7		2	WG981262
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG981262
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG981262
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG981262
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG981262
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG981262
Carbon disulfide	75-15-0	76.10	0.400	1.24	1.33	4.15		2	WG981262
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG981262
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG981262
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG981262
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG981262
Chloromethane	74-87-3	50.50	0.400	0.826	0.587	1.21		2	WG981262
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG981262
Cyclohexane	110-82-7	84.20	0.400	1.38	4.42	15.2		2	WG981262
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG981262
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG981262
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG981262
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG981262
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG981262
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG981262
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG981262
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG981262
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG981262
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG981262
1,2-Dichloropropane	78-87-5	113	0.400	1.85	3.70	17.1		2	WG981262
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG981262
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG981262
1,4-Dioxane	123-91-1	88.10	0.400	1.44	2.66	9.57		2	WG981262
Ethanol	64-17-5	46.10	1.26	2.38	89.0	168		2	WG981262
Ethylbenzene	100-41-4	106	0.400	1.73	4.57	19.8		2	WG981262
4-Ethyltoluene	622-96-8	120	0.400	1.96	1.50	7.38		2	WG981262
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG981262
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	3.20	15.8		2	WG981262
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG981262
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG981262
Heptane	142-82-5	100	0.400	1.64	5.23	21.4		2	WG981262
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG981262
n-Hexane	110-54-3	86.20	0.400	1.41	15.2	53.4		2	WG981262
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG981262
Methylene Chloride	75-09-2	84.90	0.400	1.39	0.682	2.37		2	WG981262
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG981262
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	42.0	124		2	WG981262
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	3.72	15.2		2	WG981262
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG981262
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG981262
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG981262
2-Propanol	67-63-0	60.10	31.2	76.7	1990	4890	E	25	WG981609
Propene	115-07-1	42.10	0.800	1.38	23.1	39.9		2	WG981262
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG981262
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG981262
Tetrachloroethylene	127-18-4	166	0.400	2.72	17.1	116		2	WG981262
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG981262
Toluene	108-88-3	92.10	0.400	1.51	53.2	200		2	WG981262
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG981262

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG981262
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG981262
Trichloroethylene	79-01-6	131	0.400	2.14	ND	ND		2	WG981262
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	1.45	7.10		2	WG981262
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	0.511	2.51		2	WG981262
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	3.43	16.0		2	WG981262
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG981262
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG981262
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG981262
m&p-Xylene	1330-20-7	106	0.800	3.47	15.8	68.4		2	WG981262
o-Xylene	95-47-6	106	0.400	1.73	4.49	19.5		2	WG981262
1,1-Difluoroethane	75-37-6	66.05	0.400	1.08	19.7	53.3		2	WG981262
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.3*				WG981609
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.6*				WG981262

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	11.7	27.8		2	WG981262
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG981262
Benzene	71-43-2	78.10	0.400	1.28	1.20	3.84		2	WG981262
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG981262
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG981262
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG981262
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG981262
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG981262
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG981262
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG981262
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG981262
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG981262
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG981262
Chloromethane	74-87-3	50.50	0.400	0.826	ND	ND		2	WG981262
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG981262
Cyclohexane	110-82-7	84.20	0.400	1.38	0.871	3.00		2	WG981262
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG981262
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG981262
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG981262
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG981262
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG981262
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG981262
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG981262
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG981262
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG981262
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG981262
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG981262
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG981262
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG981262
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG981262
Ethanol	64-17-5	46.10	1.26	2.38	5.69	10.7		2	WG981262
Ethylbenzene	100-41-4	106	0.400	1.73	0.777	3.37		2	WG981262
4-Ethyltoluene	622-96-8	120	0.400	1.96	0.637	3.12		2	WG981262
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG981262
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	ND	ND		2	WG981262
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG981262
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG981262
Heptane	142-82-5	100	0.400	1.64	0.641	2.62		2	WG981262
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG981262
n-Hexane	110-54-3	86.20	0.400	1.41	1.02	3.59		2	WG981262
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG981262
Methylene Chloride	75-09-2	84.90	0.400	1.39	ND	ND		2	WG981262
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG981262
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	2.55	7.53		2	WG981262
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG981262
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG981262
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG981262
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG981262
2-Propanol	67-63-0	60.10	2.50	6.15	8.83	21.7		2	WG981262
Propene	115-07-1	42.10	0.800	1.38	3.69	6.36		2	WG981262
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG981262
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG981262
Tetrachloroethylene	127-18-4	166	0.400	2.72	6.87	46.6		2	WG981262
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	0.954	2.81		2	WG981262
Toluene	108-88-3	92.10	0.400	1.51	7.45	28.0		2	WG981262
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG981262

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG981262
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG981262
Trichloroethylene	79-01-6	131	0.400	2.14	ND	ND		2	WG981262
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	0.714	3.51		2	WG981262
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG981262
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	0.786	3.67		2	WG981262
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG981262
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG981262
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG981262
m&p-Xylene	1330-20-7	106	0.800	3.47	2.96	12.8		2	WG981262
o-Xylene	95-47-6	106	0.400	1.73	0.850	3.69		2	WG981262
1,1-Difluoroethane	75-37-6	66.05	0.400	1.08	0.865	2.34		2	WG981262
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.2*				WG981262

Volatile Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL	Result	Qualifier	Dilution	Batch
			ppb	ppb			
Helium	7440-59-7		1000000	7810000		10	WG981813

Volatile Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL	Result	Qualifier	Dilution	Batch
			ppb	ppb			
Helium	7440-59-7		1000000	9040000		10	WG981813

Volatile Organic Compounds (GC) by Method ASTM 1946

Analyte	CAS #	Mol. Wt.	RDL	Result	Qualifier	Dilution	Batch
			ppb	ppb			
Helium	7440-59-7		100000	1990000		1	WG981813

Method Blank (MB)

(MB) R3219755-3 05/21/17 08:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppb		ppb	ppb
Helium	U		30000	100000

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3219755-1 05/21/17 07:41 • (LCSD) R3219755-2 05/21/17 08:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppb	ppb	ppb	%	%	%			%	%
Helium	500000	502000	508000	100	102	70.0-130			1.21	25

Method Blank (MB)

(MB) R3219609-3 05/19/17 09:15

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.0569	1.25
Allyl Chloride	U		0.0546	0.200
Benzene	U		0.0460	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0436	0.200
Bromoform	U		0.0786	0.600
Bromomethane	U		0.0609	0.200
1,3-Butadiene	U		0.0563	2.00
Carbon disulfide	U		0.0544	0.200
Carbon tetrachloride	U		0.0585	0.200
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.200
Chloroform	U		0.0574	0.200
Chloromethane	U		0.0544	0.200
2-Chlorotoluene	U		0.0605	0.200
Cyclohexane	U		0.0534	0.200
Dibromochloromethane	U		0.0494	0.200
1,2-Dibromoethane	U		0.0185	0.200
1,2-Dichlorobenzene	U		0.0603	0.200
1,3-Dichlorobenzene	U		0.0597	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0616	0.200
1,1-Dichloroethane	U		0.0514	0.200
1,1-Dichloroethene	U		0.0490	0.200
cis-1,2-Dichloroethene	U		0.0389	0.200
trans-1,2-Dichloroethene	U		0.0464	0.200
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.200
trans-1,3-Dichloropropene	U		0.0435	0.200
1,4-Dioxane	U		0.0554	0.200
Ethylbenzene	U		0.0506	0.200
4-Ethyltoluene	U		0.0666	0.200
Trichlorofluoromethane	U		0.0673	0.200
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.200
1,2-Dichlorotetrafluoroethane	U		0.0458	0.200
Heptane	U		0.0626	0.200
Hexachloro-1,3-butadiene	U		0.0656	0.630
n-Hexane	U		0.0457	0.200
Isopropylbenzene	U		0.0563	0.200

Method Blank (MB)

(MB) R3219609-3 05/19/17 09:15

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Methylene Chloride	U		0.0465	0.200
Methyl Butyl Ketone	U		0.0682	1.25
2-Butanone (MEK)	U		0.0493	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0650	1.25
Methyl Methacrylate	U		0.0773	0.200
MTBE	U		0.0505	0.200
Naphthalene	0.164	J	0.154	0.630
2-Propanol	U		0.0882	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0465	0.200
1,1,2,2-Tetrachloroethane	U		0.0576	0.200
Tetrachloroethylene	U		0.0497	0.200
Tetrahydrofuran	U		0.0508	0.200
Toluene	U		0.0499	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0665	0.200
1,1,2-Trichloroethane	U		0.0287	0.200
Trichloroethylene	U		0.0545	0.200
1,2,4-Trimethylbenzene	U		0.0483	0.200
1,3,5-Trimethylbenzene	U		0.0631	0.200
2,2,4-Trimethylpentane	U		0.0456	0.200
Vinyl chloride	U		0.0457	0.200
Vinyl Bromide	U		0.0727	0.200
Vinyl acetate	U		0.0639	0.200
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
Ethanol	0.106	J	0.0832	0.630
1,1-Difluoroethane	U		0.0256	0.200
(S) 1,4-Bromofluorobenzene	*96.4*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3219609-1 05/19/17 07:53 • (LCSD) R3219609-2 05/19/17 08:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	3.09	3.04	82.3	81.2	52.0-158			1.33	25
Propene	3.75	3.41	3.36	90.9	89.5	54.0-155			1.49	25
Dichlorodifluoromethane	3.75	3.53	3.50	94.2	93.5	69.0-143			0.800	25
1,2-Dichlorotetrafluoroethane	3.75	3.94	3.84	105	103	70.0-130			2.40	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3219609-1 05/19/17 07:53 • (LCSD) R3219609-2 05/19/17 08:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloromethane	3.75	3.48	3.36	92.9	89.5	70.0-130			3.74	25
Vinyl chloride	3.75	3.82	3.80	102	101	70.0-130			0.480	25
1,3-Butadiene	3.75	3.30	3.41	88.1	90.8	70.0-130			3.02	25
Bromomethane	3.75	3.72	4.31	99.3	115	70.0-130			14.7	25
Chloroethane	3.75	3.48	4.11	92.7	109	70.0-130			16.6	25
Trichlorofluoromethane	3.75	3.85	4.50	103	120	70.0-130			15.7	25
1,1,2-Trichlorotrifluoroethane	3.75	3.84	3.83	102	102	70.0-130			0.320	25
1,1-Dichloroethene	3.75	3.65	3.61	97.3	96.3	70.0-130			1.07	25
1,1-Dichloroethane	3.75	3.62	3.54	96.5	94.4	70.0-130			2.26	25
Acetone	3.75	3.40	3.38	90.7	90.3	70.0-130			0.460	25
2-Propanol	3.75	3.44	3.32	91.7	88.5	66.0-150			3.62	25
Carbon disulfide	3.75	3.66	3.67	97.6	97.8	70.0-130			0.240	25
Methylene Chloride	3.75	3.54	3.51	94.5	93.6	70.0-130			1.02	25
MTBE	3.75	3.64	3.56	97.2	95.1	70.0-130			2.22	25
trans-1,2-Dichloroethene	3.75	3.58	3.55	95.6	94.6	70.0-130			1.04	25
n-Hexane	3.75	3.47	3.42	92.5	91.2	70.0-130			1.37	25
Vinyl acetate	3.75	3.52	3.45	93.8	92.0	70.0-130			1.86	25
Methyl Ethyl Ketone	3.75	3.58	3.44	95.5	91.8	70.0-130			3.92	25
cis-1,2-Dichloroethene	3.75	3.71	3.67	98.9	97.8	70.0-130			1.11	25
Chloroform	3.75	3.78	3.71	101	98.9	70.0-130			1.96	25
Cyclohexane	3.75	3.68	3.64	98.1	97.0	70.0-130			1.12	25
1,1,1-Trichloroethane	3.75	3.85	3.80	103	101	70.0-130			1.40	25
Carbon tetrachloride	3.75	3.90	3.82	104	102	70.0-130			1.95	25
Benzene	3.75	3.70	3.69	98.8	98.5	70.0-130			0.280	25
1,2-Dichloroethane	3.75	3.89	3.82	104	102	70.0-130			1.72	25
Heptane	3.75	3.53	3.54	94.1	94.4	70.0-130			0.330	25
Trichloroethylene	3.75	3.80	3.78	101	101	70.0-130			0.540	25
1,2-Dichloropropane	3.75	3.62	3.55	96.6	94.7	70.0-130			1.99	25
1,4-Dioxane	3.75	3.71	3.64	99.1	97.0	70.0-152			2.06	25
Bromodichloromethane	3.75	3.80	3.75	101	100	70.0-130			1.27	25
cis-1,3-Dichloropropene	3.75	3.69	3.69	98.5	98.4	70.0-130			0.0400	25
4-Methyl-2-pentanone (MIBK)	3.75	3.58	3.49	95.6	93.2	70.0-142			2.55	25
Toluene	3.75	3.76	3.72	100	99.3	70.0-130			0.910	25
trans-1,3-Dichloropropene	3.75	3.72	3.67	99.3	97.8	70.0-130			1.49	25
1,1,2-Trichloroethane	3.75	3.81	3.77	102	101	70.0-130			1.02	25
Tetrachloroethylene	3.75	3.97	3.93	106	105	70.0-130			0.870	25
Methyl Butyl Ketone	3.75	3.62	3.50	96.7	93.4	70.0-150			3.47	25
Dibromochloromethane	3.75	3.92	3.89	104	104	70.0-130			0.730	25
1,2-Dibromoethane	3.75	3.79	3.80	101	101	70.0-130			0.260	25
Chlorobenzene	3.75	3.81	3.80	102	101	70.0-130			0.380	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3219609-1 05/19/17 07:53 • (LCSD) R3219609-2 05/19/17 08:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	3.75	3.77	3.74	100	99.6	70.0-130			0.820	25
m&p-Xylene	7.50	7.60	7.55	101	101	70.0-130			0.660	25
o-Xylene	3.75	3.81	3.78	102	101	70.0-130			0.850	25
Styrene	3.75	3.84	3.82	102	102	70.0-130			0.560	25
Bromoform	3.75	4.01	3.99	107	106	70.0-130			0.420	25
1,1,2,2-Tetrachloroethane	3.75	3.83	3.80	102	101	70.0-130			0.830	25
4-Ethyltoluene	3.75	3.93	3.91	105	104	70.0-130			0.540	25
1,3,5-Trimethylbenzene	3.75	4.03	4.02	107	107	70.0-130			0.240	25
1,2,4-Trimethylbenzene	3.75	3.99	3.97	106	106	70.0-130			0.580	25
1,3-Dichlorobenzene	3.75	4.11	4.12	110	110	70.0-130			0.140	25
1,4-Dichlorobenzene	3.75	4.45	4.43	119	118	70.0-130			0.590	25
Benzyl Chloride	3.75	4.01	3.97	107	106	70.0-144			0.980	25
1,2-Dichlorobenzene	3.75	4.07	4.03	108	107	70.0-130			0.970	25
1,2,4-Trichlorobenzene	3.75	4.12	4.15	110	111	70.0-155			0.690	25
Hexachloro-1,3-butadiene	3.75	4.11	4.12	110	110	70.0-145			0.310	25
Naphthalene	3.75	3.97	3.99	106	107	70.0-155			0.520	25
Allyl Chloride	3.75	3.43	3.32	91.6	88.6	70.0-130			3.27	25
2-Chlorotoluene	3.75	4.17	4.21	111	112	70.0-130			1.00	25
Methyl Methacrylate	3.75	3.58	3.56	95.6	94.9	70.0-130			0.670	25
Tetrahydrofuran	3.75	3.46	3.37	92.2	89.8	70.0-140			2.61	25
2,2,4-Trimethylpentane	3.75	3.52	3.45	94.0	92.1	70.0-130			2.03	25
Vinyl Bromide	3.75	3.78	4.51	101	120	70.0-130			17.6	25
Isopropylbenzene	3.75	3.81	3.79	102	101	70.0-130			0.540	25
1,1-Difluoroethane	3.75	3.56	3.57	94.8	95.2	70.0-130			0.410	25
(S) 1,4-Bromofluorobenzene				*98.8*	*98.0*	*60.0-140*				

Method Blank (MB)

(MB) R3219629-3 05/20/17 08:54

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.0569	1.25
Ethylbenzene	U		0.0506	0.200
2-Propanol	U		0.0882	1.25
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
(S) 1,4-Bromofluorobenzene	*93.7*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3219629-1 05/20/17 07:23 • (LCSD) R3219629-2 05/20/17 08:09

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.96	3.98	106	106	70.0-130			0.670	25
2-Propanol	3.75	3.90	3.93	104	105	66.0-150			0.800	25
Ethylbenzene	3.75	4.29	4.31	114	115	70.0-130			0.540	25
m&p-Xylene	7.50	8.62	8.68	115	116	70.0-130			0.650	25
o-Xylene	3.75	4.30	4.32	115	115	70.0-130			0.440	25
(S) 1,4-Bromofluorobenzene				*99.0*	*98.6*	*60.0-140*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

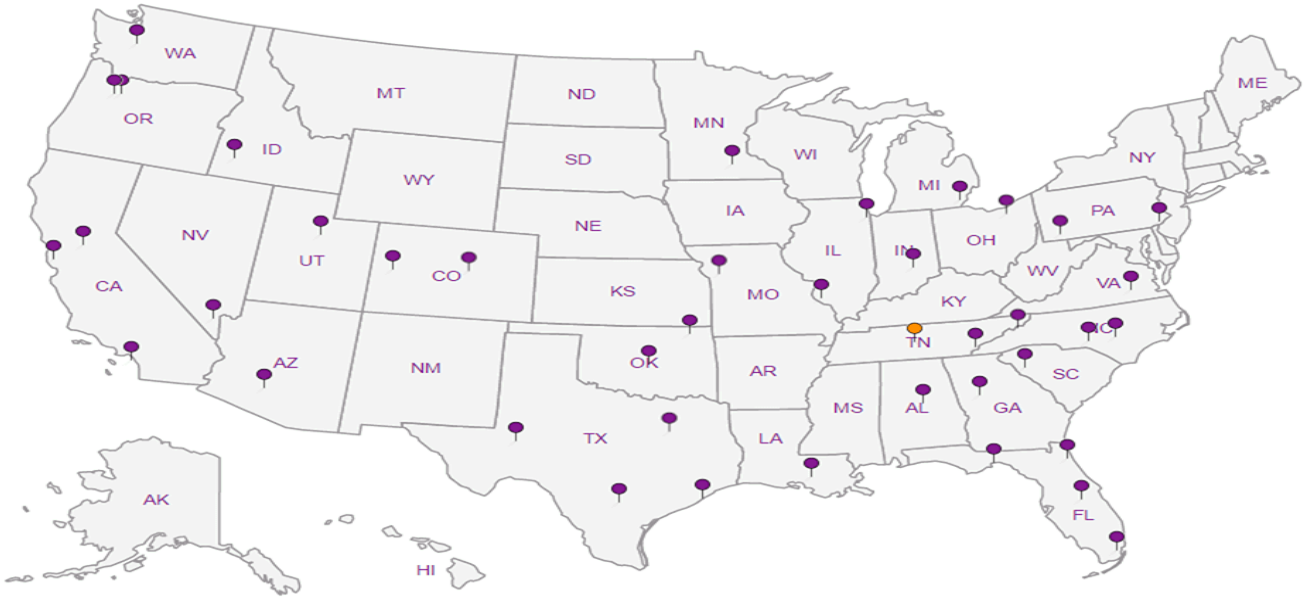
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



AEI Consultants - CA
2500 Camino Diablo
Walnut Creek, CA 94597

Billing Information:
Accounts Payable- Jeremy Smith
2500 Camino Diablo
Walnut Creek, CA 94597

Report to: Jeremy Smith
Email To: jasmith@aeiconsultants.com

Project Description: 237 Race St
City/State Collected: San Jose/ California

Phone: 925-746-6028
Fax:
Client Project # 365735
Lab Project # AEICONWCCA-SMITH

Collected by (print): Nathan Bricker
Collected by (signature):
Immediately Packed on Ice N ___ Y X
Site/Facility ID #
P.O. #
Quote #

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed: Standard TAT

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Helium Leak Check	Remarks	Sample # (lab only)
SGr-6	Grab	Air	5.5	5/15/17	1239	1	X	X		-01/-04
SGr-7	↓	Air	5.5	↓	1304	1	X	X		-07/-05
SGr-8	↓	Air	5.5	↓	1345	1	X	X		-03/-06
		~~Air~~				~~1~~	~~X~~			
		~~Air~~				~~1~~	~~X~~			
		~~Air~~				~~1~~	~~X~~			

Chain of Custody Page 1 of 1

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L909865
Table L185
Acctnum: AEICONWCCA
Template: T123343
Prelogin: P600508
TSR: 110 - Brian Ford
PB: R 5-4-17
Shipped Via: FedEx Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: (6) 1Liter summas, (6) California sampling manifolds, (6) tubing and fittings, (2) 6Liter summas

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____
Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5/16/17	1020	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Jared Wilkes

Trip Blank Received: Yes / No
HCL / MeoH
TBR
Temp: Amb °C Bottles Received: 3
Date: 5/17/17 Time: 0840

If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1705774

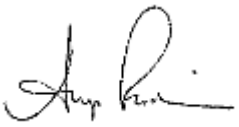
Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: 365735
Project Name: 365735; Race St.

Project Received: 05/16/2017

Analytical Report reviewed & approved for release on 05/24/2017 by:



Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 365735; Race St.
WorkOrder: 1705774

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 365735; Race St.
WorkOrder: 1705774

Analytical Qualifiers

J	result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
H	samples were analyzed out of holding time
P	agreement between quantitative confirmation results exceed method recommended limits
a3	sample diluted due to high organic content.
e2	diesel range compounds are significant; no recognizable pattern
e7	oil range compounds are significant

Quality Control Qualifiers

F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-6	1705774-005A	Soil	05/15/2017 08:43	GC16	139102

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	0.0050	1	05/23/2017 17:29
Bromochloromethane	ND	0.0050	1	05/23/2017 17:29
Bromodichloromethane	ND	0.0050	1	05/23/2017 17:29
Bromoform	ND	0.0050	1	05/23/2017 17:29
Bromomethane	ND	0.0050	1	05/23/2017 17:29
Carbon Tetrachloride	ND	0.0050	1	05/23/2017 17:29
Chlorobenzene	ND	0.0050	1	05/23/2017 17:29
Chloroethane	ND	0.0050	1	05/23/2017 17:29
Chloroform	ND	0.0050	1	05/23/2017 17:29
Chloromethane	ND	0.0050	1	05/23/2017 17:29
2-Chlorotoluene	ND	0.0050	1	05/23/2017 17:29
4-Chlorotoluene	ND	0.0050	1	05/23/2017 17:29
Dibromochloromethane	ND	0.0050	1	05/23/2017 17:29
1,2-Dibromo-3-chloropropane	ND	0.0040	1	05/23/2017 17:29
1,2-Dibromoethane (EDB)	ND	0.0040	1	05/23/2017 17:29
Dibromomethane	ND	0.0050	1	05/23/2017 17:29
1,2-Dichlorobenzene	ND	0.0050	1	05/23/2017 17:29
1,3-Dichlorobenzene	ND	0.0050	1	05/23/2017 17:29
1,4-Dichlorobenzene	ND	0.0050	1	05/23/2017 17:29
Dichlorodifluoromethane	ND	0.0050	1	05/23/2017 17:29
1,1-Dichloroethane	ND	0.0050	1	05/23/2017 17:29
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	05/23/2017 17:29
1,1-Dichloroethene	ND	0.0050	1	05/23/2017 17:29
cis-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 17:29
trans-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 17:29
1,2-Dichloropropane	ND	0.0050	1	05/23/2017 17:29
1,3-Dichloropropane	ND	0.0050	1	05/23/2017 17:29
2,2-Dichloropropane	ND	0.0050	1	05/23/2017 17:29
1,1-Dichloropropene	ND	0.0050	1	05/23/2017 17:29
cis-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 17:29
trans-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 17:29
Freon 113	ND	0.0050	1	05/23/2017 17:29
Hexachlorobutadiene	ND	0.0050	1	05/23/2017 17:29
Hexachloroethane	ND	0.0050	1	05/23/2017 17:29
Methylene chloride	ND	0.0050	1	05/23/2017 17:29
1,1,1,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 17:29
1,1,2,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 17:29

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-6	**1705774-005A**	**Soil**	**05/15/2017 08:43**	**GC16**	**139102**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	ND	0.0050	1	05/23/2017 17:29
1,2,3-Trichlorobenzene	ND	0.0050	1	05/23/2017 17:29
1,2,4-Trichlorobenzene	ND	0.0050	1	05/23/2017 17:29
1,1,1-Trichloroethane	ND	0.0050	1	05/23/2017 17:29
1,1,2-Trichloroethane	ND	0.0050	1	05/23/2017 17:29
Trichloroethene	ND	0.0050	1	05/23/2017 17:29
Trichlorofluoromethane	ND	0.0050	1	05/23/2017 17:29
1,2,3-Trichloropropane	ND	0.0050	1	05/23/2017 17:29
Vinyl Chloride	ND	0.0050	1	05/23/2017 17:29

Surrogates	REC (%)	Limits	
Dibromofluoromethane	106	70-130	05/23/2017 17:29
Toluene-d8	105	70-130	05/23/2017 17:29
4-BFB	100	70-130	05/23/2017 17:29
Benzene-d6	69	60-140	05/23/2017 17:29
Ethylbenzene-d10	75	60-140	05/23/2017 17:29
1,2-DCB-d4	60	60-140	05/23/2017 17:29

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-10	1705774-007A	Soil	05/15/2017 08:57	GC16	139102

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	0.0050	1	05/23/2017 18:10
Bromochloromethane	ND	0.0050	1	05/23/2017 18:10
Bromodichloromethane	ND	0.0050	1	05/23/2017 18:10
Bromoform	ND	0.0050	1	05/23/2017 18:10
Bromomethane	ND	0.0050	1	05/23/2017 18:10
Carbon Tetrachloride	ND	0.0050	1	05/23/2017 18:10
Chlorobenzene	ND	0.0050	1	05/23/2017 18:10
Chloroethane	ND	0.0050	1	05/23/2017 18:10
Chloroform	ND	0.0050	1	05/23/2017 18:10
Chloromethane	ND	0.0050	1	05/23/2017 18:10
2-Chlorotoluene	ND	0.0050	1	05/23/2017 18:10
4-Chlorotoluene	ND	0.0050	1	05/23/2017 18:10
Dibromochloromethane	ND	0.0050	1	05/23/2017 18:10
1,2-Dibromo-3-chloropropane	ND	0.0040	1	05/23/2017 18:10
1,2-Dibromoethane (EDB)	ND	0.0040	1	05/23/2017 18:10
Dibromomethane	ND	0.0050	1	05/23/2017 18:10
1,2-Dichlorobenzene	ND	0.0050	1	05/23/2017 18:10
1,3-Dichlorobenzene	ND	0.0050	1	05/23/2017 18:10
1,4-Dichlorobenzene	ND	0.0050	1	05/23/2017 18:10
Dichlorodifluoromethane	ND	0.0050	1	05/23/2017 18:10
1,1-Dichloroethane	ND	0.0050	1	05/23/2017 18:10
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	05/23/2017 18:10
1,1-Dichloroethene	ND	0.0050	1	05/23/2017 18:10
cis-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 18:10
trans-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 18:10
1,2-Dichloropropane	ND	0.0050	1	05/23/2017 18:10
1,3-Dichloropropane	ND	0.0050	1	05/23/2017 18:10
2,2-Dichloropropane	ND	0.0050	1	05/23/2017 18:10
1,1-Dichloropropene	ND	0.0050	1	05/23/2017 18:10
cis-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 18:10
trans-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 18:10
Freon 113	ND	0.0050	1	05/23/2017 18:10
Hexachlorobutadiene	ND	0.0050	1	05/23/2017 18:10
Hexachloroethane	ND	0.0050	1	05/23/2017 18:10
Methylene chloride	ND	0.0050	1	05/23/2017 18:10
1,1,1,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 18:10
1,1,2,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 18:10

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-10	**1705774-007A**	**Soil**	**05/15/2017 08:57**	**GC16**	**139102**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	ND	0.0050	1	05/23/2017 18:10
1,2,3-Trichlorobenzene	ND	0.0050	1	05/23/2017 18:10
1,2,4-Trichlorobenzene	ND	0.0050	1	05/23/2017 18:10
1,1,1-Trichloroethane	ND	0.0050	1	05/23/2017 18:10
1,1,2-Trichloroethane	ND	0.0050	1	05/23/2017 18:10
Trichloroethene	ND	0.0050	1	05/23/2017 18:10
Trichlorofluoromethane	ND	0.0050	1	05/23/2017 18:10
1,2,3-Trichloropropane	ND	0.0050	1	05/23/2017 18:10
Vinyl Chloride	ND	0.0050	1	05/23/2017 18:10

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	70-130	05/23/2017 18:10
Toluene-d8	105	70-130	05/23/2017 18:10
4-BFB	103	70-130	05/23/2017 18:10
Benzene-d6	73	60-140	05/23/2017 18:10
Ethylbenzene-d10	82	60-140	05/23/2017 18:10
1,2-DCB-d4	62	60-140	05/23/2017 18:10

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-6	1705774-010A	Soil	05/15/2017 09:15	GC16	139102

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	0.0050	1	05/23/2017 20:58
Bromochloromethane	ND	0.0050	1	05/23/2017 20:58
Bromodichloromethane	ND	0.0050	1	05/23/2017 20:58
Bromoform	ND	0.0050	1	05/23/2017 20:58
Bromomethane	ND	0.0050	1	05/23/2017 20:58
Carbon Tetrachloride	ND	0.0050	1	05/23/2017 20:58
Chlorobenzene	ND	0.0050	1	05/23/2017 20:58
Chloroethane	ND	0.0050	1	05/23/2017 20:58
Chloroform	ND	0.0050	1	05/23/2017 20:58
Chloromethane	ND	0.0050	1	05/23/2017 20:58
2-Chlorotoluene	ND	0.0050	1	05/23/2017 20:58
4-Chlorotoluene	ND	0.0050	1	05/23/2017 20:58
Dibromochloromethane	ND	0.0050	1	05/23/2017 20:58
1,2-Dibromo-3-chloropropane	ND	0.0040	1	05/23/2017 20:58
1,2-Dibromoethane (EDB)	ND	0.0040	1	05/23/2017 20:58
Dibromomethane	ND	0.0050	1	05/23/2017 20:58
1,2-Dichlorobenzene	ND	0.0050	1	05/23/2017 20:58
1,3-Dichlorobenzene	ND	0.0050	1	05/23/2017 20:58
1,4-Dichlorobenzene	ND	0.0050	1	05/23/2017 20:58
Dichlorodifluoromethane	ND	0.0050	1	05/23/2017 20:58
1,1-Dichloroethane	ND	0.0050	1	05/23/2017 20:58
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	05/23/2017 20:58
1,1-Dichloroethene	ND	0.0050	1	05/23/2017 20:58
cis-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 20:58
trans-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 20:58
1,2-Dichloropropane	ND	0.0050	1	05/23/2017 20:58
1,3-Dichloropropane	ND	0.0050	1	05/23/2017 20:58
2,2-Dichloropropane	ND	0.0050	1	05/23/2017 20:58
1,1-Dichloropropene	ND	0.0050	1	05/23/2017 20:58
cis-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 20:58
trans-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 20:58
Freon 113	ND	0.0050	1	05/23/2017 20:58
Hexachlorobutadiene	ND	0.0050	1	05/23/2017 20:58
Hexachloroethane	ND	0.0050	1	05/23/2017 20:58
Methylene chloride	ND	0.0050	1	05/23/2017 20:58
1,1,1,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 20:58
1,1,2,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 20:58

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-6	**1705774-010A**	**Soil**	**05/15/2017 09:15**	**GC16**	**139102**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	ND	0.0050	1	05/23/2017 20:58
1,2,3-Trichlorobenzene	ND	0.0050	1	05/23/2017 20:58
1,2,4-Trichlorobenzene	ND	0.0050	1	05/23/2017 20:58
1,1,1-Trichloroethane	ND	0.0050	1	05/23/2017 20:58
1,1,2-Trichloroethane	ND	0.0050	1	05/23/2017 20:58
Trichloroethene	ND	0.0050	1	05/23/2017 20:58
Trichlorofluoromethane	ND	0.0050	1	05/23/2017 20:58
1,2,3-Trichloropropane	ND	0.0050	1	05/23/2017 20:58
Vinyl Chloride	ND	0.0050	1	05/23/2017 20:58

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	70-130	05/23/2017 20:58
Toluene-d8	106	70-130	05/23/2017 20:58
4-BFB	102	70-130	05/23/2017 20:58
Benzene-d6	80	60-140	05/23/2017 20:58
Ethylbenzene-d10	90	60-140	05/23/2017 20:58
1,2-DCB-d4	67	60-140	05/23/2017 20:58

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-10	1705774-012A	Soil	05/15/2017 09:19	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
Bromobenzene	ND	0.0050	1	05/23/2017 22:15
Bromochloromethane	ND	0.0050	1	05/23/2017 22:15
Bromodichloromethane	ND	0.0050	1	05/23/2017 22:15
Bromoform	ND	0.0050	1	05/23/2017 22:15
Bromomethane	ND	0.0050	1	05/23/2017 22:15
Carbon Tetrachloride	ND	0.0050	1	05/23/2017 22:15
Chlorobenzene	ND	0.0050	1	05/23/2017 22:15
Chloroethane	ND	0.0050	1	05/23/2017 22:15
Chloroform	ND	0.0050	1	05/23/2017 22:15
Chloromethane	ND	0.0050	1	05/23/2017 22:15
2-Chlorotoluene	ND	0.0050	1	05/23/2017 22:15
4-Chlorotoluene	ND	0.0050	1	05/23/2017 22:15
Dibromochloromethane	ND	0.0050	1	05/23/2017 22:15
1,2-Dibromo-3-chloropropane	ND	0.0040	1	05/23/2017 22:15
1,2-Dibromoethane (EDB)	ND	0.0040	1	05/23/2017 22:15
Dibromomethane	ND	0.0050	1	05/23/2017 22:15
1,2-Dichlorobenzene	ND	0.0050	1	05/23/2017 22:15
1,3-Dichlorobenzene	ND	0.0050	1	05/23/2017 22:15
1,4-Dichlorobenzene	ND	0.0050	1	05/23/2017 22:15
Dichlorodifluoromethane	ND	0.0050	1	05/23/2017 22:15
1,1-Dichloroethane	ND	0.0050	1	05/23/2017 22:15
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	05/23/2017 22:15
1,1-Dichloroethene	ND	0.0050	1	05/23/2017 22:15
cis-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 22:15
trans-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 22:15
1,2-Dichloropropane	ND	0.0050	1	05/23/2017 22:15
1,3-Dichloropropane	ND	0.0050	1	05/23/2017 22:15
2,2-Dichloropropane	ND	0.0050	1	05/23/2017 22:15
1,1-Dichloropropene	ND	0.0050	1	05/23/2017 22:15
cis-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 22:15
trans-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 22:15
Freon 113	ND	0.0050	1	05/23/2017 22:15
Hexachlorobutadiene	ND	0.0050	1	05/23/2017 22:15
Hexachloroethane	ND	0.0050	1	05/23/2017 22:15
Methylene chloride	ND	0.0050	1	05/23/2017 22:15
1,1,1,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 22:15
1,1,2,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 22:15

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Halogenated Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-10	**1705774-012A**	**Soil**	**05/15/2017 09:19**	**GC28**	**139102**

Analytes	Result	RL	DF	Date Analyzed
Tetrachloroethene	ND	0.0050	1	05/23/2017 22:15
1,2,3-Trichlorobenzene	ND	0.0050	1	05/23/2017 22:15
1,2,4-Trichlorobenzene	ND	0.0050	1	05/23/2017 22:15
1,1,1-Trichloroethane	ND	0.0050	1	05/23/2017 22:15
1,1,2-Trichloroethane	ND	0.0050	1	05/23/2017 22:15
Trichloroethene	ND	0.0050	1	05/23/2017 22:15
Trichlorofluoromethane	ND	0.0050	1	05/23/2017 22:15
1,2,3-Trichloropropane	ND	0.0050	1	05/23/2017 22:15
Vinyl Chloride	ND	0.0050	1	05/23/2017 22:15

Surrogates	REC (%)	Limits	
Dibromofluoromethane	117	70-130	05/23/2017 22:15
Toluene-d8	117	70-130	05/23/2017 22:15
4-BFB	100	70-130	05/23/2017 22:15
Benzene-d6	90	60-140	05/23/2017 22:15
Ethylbenzene-d10	96	60-140	05/23/2017 22:15
1,2-DCB-d4	76	60-140	05/23/2017 22:15

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B
Date Prepared:	5/17/17	**Analytical Method:**	SW8081A
Project:	365735; Race St.	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-6-2	**1705774-001A**	**Soil**	**05/15/2017 08:21**	**GC22**	**139125**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	05/19/2017 20:22
a-BHC	ND		0.00010	0.0010	1	05/19/2017 20:22
b-BHC	ND		0.00025	0.0010	1	05/19/2017 20:22
d-BHC	ND		0.00037	0.0010	1	05/19/2017 20:22
g-BHC	ND		0.000097	0.0010	1	05/19/2017 20:22
Chlordane (Technical)	ND		0.016	0.025	1	05/19/2017 20:22
a-Chlordane	ND		0.00047	0.0010	1	05/19/2017 20:22
g-Chlordane	ND		0.00021	0.0010	1	05/19/2017 20:22
p,p-DDD	**0.00052**	J	0.00014	0.0010	1	05/19/2017 20:22
p,p-DDE	**0.012**		0.00032	0.0010	1	05/19/2017 20:22
p,p-DDT	**0.011**		0.00043	0.0010	1	05/19/2017 20:22
Dieldrin	**0.00035**	J	0.00033	0.0010	1	05/19/2017 20:22
Endosulfan I	ND		0.00065	0.0010	1	05/19/2017 20:22
Endosulfan II	ND		0.00020	0.0010	1	05/19/2017 20:22
Endosulfan sulfate	ND		0.00063	0.0010	1	05/19/2017 20:22
Endrin	ND		0.00042	0.0010	1	05/19/2017 20:22
Endrin aldehyde	ND		0.00020	0.0010	1	05/19/2017 20:22
Endrin ketone	ND		0.00013	0.0010	1	05/19/2017 20:22
Heptachlor	ND		0.00021	0.0010	1	05/19/2017 20:22
Heptachlor epoxide	ND		0.00020	0.0010	1	05/19/2017 20:22
Hexachlorobenzene	ND		0.00027	0.010	1	05/19/2017 20:22
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	05/19/2017 20:22
Methoxychlor	ND		0.00089	0.0010	1	05/19/2017 20:22
Toxaphene	ND		0.035	0.050	1	05/19/2017 20:22

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	98	70-130	05/19/2017 20:22

Analyst(s): CK

(Cont.)

NELAP 4033ORELAP

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B
Date Prepared:	5/17/17	**Analytical Method:**	SW8081A
Project:	365735; Race St.	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-2	**1705774-023A**	**Soil**	**05/15/2017 10:47**	**GC22**	**139125**

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	05/19/2017 20:57
a-BHC	ND	0.00010	0.0010	1	05/19/2017 20:57
b-BHC	ND	0.00025	0.0010	1	05/19/2017 20:57
d-BHC	ND	0.00037	0.0010	1	05/19/2017 20:57
g-BHC	ND	0.000097	0.0010	1	05/19/2017 20:57
Chlordane (Technical)	ND	0.016	0.025	1	05/19/2017 20:57
a-Chlordane	ND	0.00047	0.0010	1	05/19/2017 20:57
g-Chlordane	ND	0.00021	0.0010	1	05/19/2017 20:57
p,p-DDD	ND	0.00014	0.0010	1	05/19/2017 20:57
p,p-DDE	ND	0.00032	0.0010	1	05/19/2017 20:57
p,p-DDT	ND	0.00043	0.0010	1	05/19/2017 20:57
Dieldrin	ND	0.00033	0.0010	1	05/19/2017 20:57
Endosulfan I	ND	0.00065	0.0010	1	05/19/2017 20:57
Endosulfan II	ND	0.00020	0.0010	1	05/19/2017 20:57
Endosulfan sulfate	ND	0.00063	0.0010	1	05/19/2017 20:57
Endrin	ND	0.00042	0.0010	1	05/19/2017 20:57
Endrin aldehyde	ND	0.00020	0.0010	1	05/19/2017 20:57
Endrin ketone	ND	0.00013	0.0010	1	05/19/2017 20:57
Heptachlor	ND	0.00021	0.0010	1	05/19/2017 20:57
Heptachlor epoxide	ND	0.00020	0.0010	1	05/19/2017 20:57
Hexachlorobenzene	ND	0.00027	0.010	1	05/19/2017 20:57
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	05/19/2017 20:57
Methoxychlor	ND	0.00089	0.0010	1	05/19/2017 20:57
Toxaphene	ND	0.035	0.050	1	05/19/2017 20:57

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	98	70-130	05/19/2017 20:57

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B
Date Prepared:	5/17/17	**Analytical Method:**	SW8081A
Project:	365735; Race St.	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-2	**1705774-028A**	**Soil**	**05/15/2017 11:12**	**GC22**	**139125**

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	05/19/2017 18:38
a-BHC	ND	0.00010	0.0010	1	05/19/2017 18:38
b-BHC	ND	0.00025	0.0010	1	05/19/2017 18:38
d-BHC	ND	0.00037	0.0010	1	05/19/2017 18:38
g-BHC	ND	0.000097	0.0010	1	05/19/2017 18:38
Chlordane (Technical)	ND	0.016	0.025	1	05/19/2017 18:38
a-Chlordane	ND	0.00047	0.0010	1	05/19/2017 18:38
g-Chlordane	ND	0.00021	0.0010	1	05/19/2017 18:38
p,p-DDD	ND	0.00014	0.0010	1	05/19/2017 18:38
p,p-DDE	ND	0.00032	0.0010	1	05/19/2017 18:38
p,p-DDT	ND	0.00043	0.0010	1	05/19/2017 18:38
Dieldrin	ND	0.00033	0.0010	1	05/19/2017 18:38
Endosulfan I	ND	0.00065	0.0010	1	05/19/2017 18:38
Endosulfan II	ND	0.00020	0.0010	1	05/19/2017 18:38
Endosulfan sulfate	ND	0.00063	0.0010	1	05/19/2017 18:38
Endrin	ND	0.00042	0.0010	1	05/19/2017 18:38
Endrin aldehyde	ND	0.00020	0.0010	1	05/19/2017 18:38
Endrin ketone	ND	0.00013	0.0010	1	05/19/2017 18:38
Heptachlor	ND	0.00021	0.0010	1	05/19/2017 18:38
Heptachlor epoxide	ND	0.00020	0.0010	1	05/19/2017 18:38
Hexachlorobenzene	ND	0.00027	0.010	1	05/19/2017 18:38
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	05/19/2017 18:38
Methoxychlor	ND	0.00089	0.0010	1	05/19/2017 18:38
Toxaphene	ND	0.035	0.050	1	05/19/2017 18:38

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	105	70-130	05/19/2017 18:38

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B/3620B
Date Prepared:	5/17/17	**Analytical Method:**	SW8081A
Project:	365735; Race St.	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-2	1705774-003A	Soil	05/15/2017 08:36	GC22	139197

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	05/23/2017 10:18
a-BHC	ND		0.00010	0.0010	1	05/23/2017 10:18
b-BHC	ND		0.00025	0.0010	1	05/23/2017 10:18
d-BHC	ND		0.00037	0.0010	1	05/23/2017 10:18
g-BHC	ND		0.000097	0.0010	1	05/23/2017 10:18
Chlordane (Technical)	ND		0.016	0.025	1	05/23/2017 10:18
a-Chlordane	**0.0016**		0.00047	0.0010	1	05/23/2017 10:18
g-Chlordane	**0.0020**		0.00021	0.0010	1	05/23/2017 10:18
p,p-DDD	**0.0030**		0.00014	0.0010	1	05/23/2017 10:18
p,p-DDE	**0.0040**		0.00032	0.0010	1	05/23/2017 10:18
p,p-DDT	**0.00079**	J	0.00043	0.0010	1	05/23/2017 10:18
Dieldrin	ND		0.00033	0.0010	1	05/23/2017 10:18
Endosulfan I	ND		0.00065	0.0010	1	05/23/2017 10:18
Endosulfan II	ND		0.00020	0.0010	1	05/23/2017 10:18
Endosulfan sulfate	ND		0.00063	0.0010	1	05/23/2017 10:18
Endrin	ND		0.00042	0.0010	1	05/23/2017 10:18
Endrin aldehyde	ND		0.00020	0.0010	1	05/23/2017 10:18
Endrin ketone	ND		0.00013	0.0010	1	05/23/2017 10:18
Heptachlor	ND		0.00021	0.0010	1	05/23/2017 10:18
Heptachlor epoxide	ND		0.00020	0.0010	1	05/23/2017 10:18
Hexachlorobenzene	ND		0.00027	0.010	1	05/23/2017 10:18
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	05/23/2017 10:18
Methoxychlor	ND		0.00089	0.0010	1	05/23/2017 10:18
Toxaphene	ND		0.035	0.050	1	05/23/2017 10:18

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	93	70-130	05/23/2017 10:18

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B/3620B
Date Prepared:	5/17/17	**Analytical Method:**	SW8081A
Project:	365735; Race St.	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-2	**1705774-008A**	**Soil**	**05/15/2017 09:07**	**GC22**	**139197**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	05/23/2017 08:01
a-BHC	ND		0.00010	0.0010	1	05/23/2017 08:01
b-BHC	ND		0.00025	0.0010	1	05/23/2017 08:01
d-BHC	ND		0.00037	0.0010	1	05/23/2017 08:01
g-BHC	ND		0.000097	0.0010	1	05/23/2017 08:01
Chlordane (Technical)	ND		0.016	0.025	1	05/23/2017 08:01
a-Chlordane	**0.0023**		0.00047	0.0010	1	05/23/2017 08:01
g-Chlordane	**0.0019**		0.00021	0.0010	1	05/23/2017 08:01
p,p-DDD	**0.00068**	JP	0.00014	0.0010	1	05/23/2017 08:01
p,p-DDE	**0.0097**		0.00032	0.0010	1	05/23/2017 08:01
p,p-DDT	**0.014**		0.00043	0.0010	1	05/23/2017 08:01
Dieldrin	ND		0.00033	0.0010	1	05/23/2017 08:01
Endosulfan I	ND		0.00065	0.0010	1	05/23/2017 08:01
Endosulfan II	ND		0.00020	0.0010	1	05/23/2017 08:01
Endosulfan sulfate	ND		0.00063	0.0010	1	05/23/2017 08:01
Endrin	ND		0.00042	0.0010	1	05/23/2017 08:01
Endrin aldehyde	ND		0.00020	0.0010	1	05/23/2017 08:01
Endrin ketone	ND		0.00013	0.0010	1	05/23/2017 08:01
Heptachlor	ND		0.00021	0.0010	1	05/23/2017 08:01
Heptachlor epoxide	ND		0.00020	0.0010	1	05/23/2017 08:01
Hexachlorobenzene	ND		0.00027	0.010	1	05/23/2017 08:01
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	05/23/2017 08:01
Methoxychlor	ND		0.00089	0.0010	1	05/23/2017 08:01
Toxaphene	ND		0.035	0.050	1	05/23/2017 08:01

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	96	70-130	05/23/2017 08:01

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B/3620B
Date Prepared:	5/17/17	**Analytical Method:**	SW8081A
Project:	365735; Race St.	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-2	1705774-018A	Soil	05/15/2017 10:10	GC22	139197

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	05/23/2017 08:35
a-BHC	ND		0.00010	0.0010	1	05/23/2017 08:35
b-BHC	ND		0.00025	0.0010	1	05/23/2017 08:35
d-BHC	ND		0.00037	0.0010	1	05/23/2017 08:35
g-BHC	ND		0.000097	0.0010	1	05/23/2017 08:35
Chlordane (Technical)	ND		0.016	0.025	1	05/23/2017 08:35
a-Chlordane	ND		0.00047	0.0010	1	05/23/2017 08:35
g-Chlordane	ND		0.00021	0.0010	1	05/23/2017 08:35
p,p-DDD	**0.00020**	J	0.00014	0.0010	1	05/23/2017 08:35
p,p-DDE	**0.0020**		0.00032	0.0010	1	05/23/2017 08:35
p,p-DDT	**0.0012**		0.00043	0.0010	1	05/23/2017 08:35
Dieldrin	ND		0.00033	0.0010	1	05/23/2017 08:35
Endosulfan I	ND		0.00065	0.0010	1	05/23/2017 08:35
Endosulfan II	ND		0.00020	0.0010	1	05/23/2017 08:35
Endosulfan sulfate	ND		0.00063	0.0010	1	05/23/2017 08:35
Endrin	ND		0.00042	0.0010	1	05/23/2017 08:35
Endrin aldehyde	ND		0.00020	0.0010	1	05/23/2017 08:35
Endrin ketone	ND		0.00013	0.0010	1	05/23/2017 08:35
Heptachlor	ND		0.00021	0.0010	1	05/23/2017 08:35
Heptachlor epoxide	ND		0.00020	0.0010	1	05/23/2017 08:35
Hexachlorobenzene	ND		0.00027	0.010	1	05/23/2017 08:35
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	05/23/2017 08:35
Methoxychlor	ND		0.00089	0.0010	1	05/23/2017 08:35
Toxaphene	ND		0.035	0.050	1	05/23/2017 08:35

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	91	70-130	05/23/2017 08:35

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B/3620B/3640A
Date Prepared:	5/17/17	**Analytical Method:**	SW8081A
Project:	365735; Race St.	**Unit:**	mg/kg

Organochlorine Pesticides w/ GPC & Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-2	1705774-013A	Soil	05/15/2017 09:39	GC22	139317

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	05/23/2017 07:27
a-BHC	ND		0.00010	0.0010	1	05/23/2017 07:27
b-BHC	ND		0.00025	0.0010	1	05/23/2017 07:27
d-BHC	ND		0.00037	0.0010	1	05/23/2017 07:27
g-BHC	ND		0.000097	0.0010	1	05/23/2017 07:27
Chlordane (Technical)	ND		0.016	0.025	1	05/23/2017 07:27
a-Chlordane	**0.0015**		0.00047	0.0010	1	05/23/2017 07:27
g-Chlordane	**0.00089**	J	0.00021	0.0010	1	05/23/2017 07:27
p,p-DDD	**0.0029**	P	0.00014	0.0010	1	05/23/2017 07:27
p,p-DDE	**0.086**		0.00032	0.0010	1	05/23/2017 07:27
p,p-DDT	**0.031**		0.00043	0.0010	1	05/23/2017 07:27
Dieldrin	**0.00043**	J	0.00033	0.0010	1	05/23/2017 07:27
Endosulfan I	ND		0.00065	0.0010	1	05/23/2017 07:27
Endosulfan II	ND		0.00020	0.0010	1	05/23/2017 07:27
Endosulfan sulfate	ND		0.00063	0.0010	1	05/23/2017 07:27
Endrin	ND		0.00042	0.0010	1	05/23/2017 07:27
Endrin aldehyde	ND		0.00020	0.0010	1	05/23/2017 07:27
Endrin ketone	ND		0.00013	0.0010	1	05/23/2017 07:27
Heptachlor	ND		0.00021	0.0010	1	05/23/2017 07:27
Heptachlor epoxide	ND		0.00020	0.0010	1	05/23/2017 07:27
Hexachlorobenzene	ND		0.00027	0.010	1	05/23/2017 07:27
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	05/23/2017 07:27
Methoxychlor	ND		0.00089	0.0010	1	05/23/2017 07:27
Toxaphene	ND		0.035	0.050	1	05/23/2017 07:27

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	110	70-130	05/23/2017 07:27

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-2	1705774-013A	Soil	05/15/2017 09:39	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	05/23/2017 22:54
tert-Amyl methyl ether (TAME)	ND	0.0050	1	05/23/2017 22:54
Benzene	ND	0.0050	1	05/23/2017 22:54
Bromobenzene	ND	0.0050	1	05/23/2017 22:54
Bromochloromethane	ND	0.0050	1	05/23/2017 22:54
Bromodichloromethane	ND	0.0050	1	05/23/2017 22:54
Bromoform	ND	0.0050	1	05/23/2017 22:54
Bromomethane	ND	0.0050	1	05/23/2017 22:54
2-Butanone (MEK)	ND	0.020	1	05/23/2017 22:54
t-Butyl alcohol (TBA)	ND	0.050	1	05/23/2017 22:54
n-Butyl benzene	ND	0.0050	1	05/23/2017 22:54
sec-Butyl benzene	ND	0.0050	1	05/23/2017 22:54
tert-Butyl benzene	ND	0.0050	1	05/23/2017 22:54
Carbon Disulfide	ND	0.0050	1	05/23/2017 22:54
Carbon Tetrachloride	ND	0.0050	1	05/23/2017 22:54
Chlorobenzene	ND	0.0050	1	05/23/2017 22:54
Chloroethane	ND	0.0050	1	05/23/2017 22:54
Chloroform	ND	0.0050	1	05/23/2017 22:54
Chloromethane	ND	0.0050	1	05/23/2017 22:54
2-Chlorotoluene	ND	0.0050	1	05/23/2017 22:54
4-Chlorotoluene	ND	0.0050	1	05/23/2017 22:54
Dibromochloromethane	ND	0.0050	1	05/23/2017 22:54
1,2-Dibromo-3-chloropropane	ND	0.0040	1	05/23/2017 22:54
1,2-Dibromoethane (EDB)	ND	0.0040	1	05/23/2017 22:54
Dibromomethane	ND	0.0050	1	05/23/2017 22:54
1,2-Dichlorobenzene	ND	0.0050	1	05/23/2017 22:54
1,3-Dichlorobenzene	ND	0.0050	1	05/23/2017 22:54
1,4-Dichlorobenzene	ND	0.0050	1	05/23/2017 22:54
Dichlorodifluoromethane	ND	0.0050	1	05/23/2017 22:54
1,1-Dichloroethane	ND	0.0050	1	05/23/2017 22:54
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	05/23/2017 22:54
1,1-Dichloroethene	ND	0.0050	1	05/23/2017 22:54
cis-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 22:54
trans-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 22:54
1,2-Dichloropropane	ND	0.0050	1	05/23/2017 22:54
1,3-Dichloropropane	ND	0.0050	1	05/23/2017 22:54
2,2-Dichloropropane	ND	0.0050	1	05/23/2017 22:54

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-2	1705774-013A	Soil	05/15/2017 09:39	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	05/23/2017 22:54
cis-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 22:54
trans-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 22:54
Diisopropyl ether (DIPE)	ND	0.0050	1	05/23/2017 22:54
Ethylbenzene	ND	0.0050	1	05/23/2017 22:54
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	05/23/2017 22:54
Freon 113	ND	0.0050	1	05/23/2017 22:54
Hexachlorobutadiene	ND	0.0050	1	05/23/2017 22:54
Hexachloroethane	ND	0.0050	1	05/23/2017 22:54
2-Hexanone	ND	0.0050	1	05/23/2017 22:54
Isopropylbenzene	ND	0.0050	1	05/23/2017 22:54
4-Isopropyl toluene	ND	0.0050	1	05/23/2017 22:54
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	05/23/2017 22:54
Methylene chloride	ND	0.0050	1	05/23/2017 22:54
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	05/23/2017 22:54
Naphthalene	ND	0.0050	1	05/23/2017 22:54
n-Propyl benzene	ND	0.0050	1	05/23/2017 22:54
Styrene	ND	0.0050	1	05/23/2017 22:54
1,1,1,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 22:54
1,1,2,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 22:54
Tetrachloroethene	ND	0.0050	1	05/23/2017 22:54
Toluene	ND	0.0050	1	05/23/2017 22:54
1,2,3-Trichlorobenzene	ND	0.0050	1	05/23/2017 22:54
1,2,4-Trichlorobenzene	ND	0.0050	1	05/23/2017 22:54
1,1,1-Trichloroethane	ND	0.0050	1	05/23/2017 22:54
1,1,2-Trichloroethane	ND	0.0050	1	05/23/2017 22:54
Trichloroethene	ND	0.0050	1	05/23/2017 22:54
Trichlorofluoromethane	ND	0.0050	1	05/23/2017 22:54
1,2,3-Trichloropropane	ND	0.0050	1	05/23/2017 22:54
1,2,4-Trimethylbenzene	ND	0.0050	1	05/23/2017 22:54
1,3,5-Trimethylbenzene	ND	0.0050	1	05/23/2017 22:54
Vinyl Chloride	ND	0.0050	1	05/23/2017 22:54
Xylenes, Total	ND	0.0050	1	05/23/2017 22:54

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-2	**1705774-013A**	**Soil**	**05/15/2017 09:39**	**GC28**	**139102**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	118	70-130		05/23/2017 22:54
Toluene-d8	117	70-130		05/23/2017 22:54
4-BFB	101	70-130		05/23/2017 22:54
Benzene-d6	84	60-140		05/23/2017 22:54
Ethylbenzene-d10	87	60-140		05/23/2017 22:54
1,2-DCB-d4	72	60-140		05/23/2017 22:54

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-2	1705774-018A	Soil	05/15/2017 10:10	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	05/23/2017 23:33
tert-Amyl methyl ether (TAME)	ND	0.0050	1	05/23/2017 23:33
Benzene	ND	0.0050	1	05/23/2017 23:33
Bromobenzene	ND	0.0050	1	05/23/2017 23:33
Bromochloromethane	ND	0.0050	1	05/23/2017 23:33
Bromodichloromethane	ND	0.0050	1	05/23/2017 23:33
Bromoform	ND	0.0050	1	05/23/2017 23:33
Bromomethane	ND	0.0050	1	05/23/2017 23:33
2-Butanone (MEK)	ND	0.020	1	05/23/2017 23:33
t-Butyl alcohol (TBA)	ND	0.050	1	05/23/2017 23:33
n-Butyl benzene	ND	0.0050	1	05/23/2017 23:33
sec-Butyl benzene	ND	0.0050	1	05/23/2017 23:33
tert-Butyl benzene	ND	0.0050	1	05/23/2017 23:33
Carbon Disulfide	ND	0.0050	1	05/23/2017 23:33
Carbon Tetrachloride	ND	0.0050	1	05/23/2017 23:33
Chlorobenzene	ND	0.0050	1	05/23/2017 23:33
Chloroethane	ND	0.0050	1	05/23/2017 23:33
Chloroform	ND	0.0050	1	05/23/2017 23:33
Chloromethane	ND	0.0050	1	05/23/2017 23:33
2-Chlorotoluene	ND	0.0050	1	05/23/2017 23:33
4-Chlorotoluene	ND	0.0050	1	05/23/2017 23:33
Dibromochloromethane	ND	0.0050	1	05/23/2017 23:33
1,2-Dibromo-3-chloropropane	ND	0.0040	1	05/23/2017 23:33
1,2-Dibromoethane (EDB)	ND	0.0040	1	05/23/2017 23:33
Dibromomethane	ND	0.0050	1	05/23/2017 23:33
1,2-Dichlorobenzene	ND	0.0050	1	05/23/2017 23:33
1,3-Dichlorobenzene	ND	0.0050	1	05/23/2017 23:33
1,4-Dichlorobenzene	ND	0.0050	1	05/23/2017 23:33
Dichlorodifluoromethane	ND	0.0050	1	05/23/2017 23:33
1,1-Dichloroethane	ND	0.0050	1	05/23/2017 23:33
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	05/23/2017 23:33
1,1-Dichloroethene	ND	0.0050	1	05/23/2017 23:33
cis-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 23:33
trans-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 23:33
1,2-Dichloropropane	ND	0.0050	1	05/23/2017 23:33
1,3-Dichloropropane	ND	0.0050	1	05/23/2017 23:33
2,2-Dichloropropane	ND	0.0050	1	05/23/2017 23:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-2	1705774-018A	Soil	05/15/2017 10:10	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	05/23/2017 23:33
cis-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 23:33
trans-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 23:33
Diisopropyl ether (DIPE)	ND	0.0050	1	05/23/2017 23:33
Ethylbenzene	ND	0.0050	1	05/23/2017 23:33
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	05/23/2017 23:33
Freon 113	ND	0.0050	1	05/23/2017 23:33
Hexachlorobutadiene	ND	0.0050	1	05/23/2017 23:33
Hexachloroethane	ND	0.0050	1	05/23/2017 23:33
2-Hexanone	ND	0.0050	1	05/23/2017 23:33
Isopropylbenzene	ND	0.0050	1	05/23/2017 23:33
4-Isopropyl toluene	ND	0.0050	1	05/23/2017 23:33
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	05/23/2017 23:33
Methylene chloride	ND	0.0050	1	05/23/2017 23:33
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	05/23/2017 23:33
Naphthalene	ND	0.0050	1	05/23/2017 23:33
n-Propyl benzene	ND	0.0050	1	05/23/2017 23:33
Styrene	ND	0.0050	1	05/23/2017 23:33
1,1,1,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 23:33
1,1,2,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 23:33
Tetrachloroethene	ND	0.0050	1	05/23/2017 23:33
Toluene	ND	0.0050	1	05/23/2017 23:33
1,2,3-Trichlorobenzene	ND	0.0050	1	05/23/2017 23:33
1,2,4-Trichlorobenzene	ND	0.0050	1	05/23/2017 23:33
1,1,1-Trichloroethane	ND	0.0050	1	05/23/2017 23:33
1,1,2-Trichloroethane	ND	0.0050	1	05/23/2017 23:33
Trichloroethene	ND	0.0050	1	05/23/2017 23:33
Trichlorofluoromethane	ND	0.0050	1	05/23/2017 23:33
1,2,3-Trichloropropane	ND	0.0050	1	05/23/2017 23:33
1,2,4-Trimethylbenzene	ND	0.0050	1	05/23/2017 23:33
1,3,5-Trimethylbenzene	ND	0.0050	1	05/23/2017 23:33
Vinyl Chloride	ND	0.0050	1	05/23/2017 23:33
Xylenes, Total	ND	0.0050	1	05/23/2017 23:33

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-2	**1705774-018A**	**Soil**	**05/15/2017 10:10**	**GC28**	**139102**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	118	70-130		05/23/2017 23:33
Toluene-d8	116	70-130		05/23/2017 23:33
4-BFB	101	70-130		05/23/2017 23:33
Benzene-d6	85	60-140		05/23/2017 23:33
Ethylbenzene-d10	89	60-140		05/23/2017 23:33
1,2-DCB-d4	73	60-140		05/23/2017 23:33

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-2	1705774-023A	Soil	05/15/2017 10:47	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	05/24/2017 00:12
tert-Amyl methyl ether (TAME)	ND	0.0050	1	05/24/2017 00:12
Benzene	ND	0.0050	1	05/24/2017 00:12
Bromobenzene	ND	0.0050	1	05/24/2017 00:12
Bromochloromethane	ND	0.0050	1	05/24/2017 00:12
Bromodichloromethane	ND	0.0050	1	05/24/2017 00:12
Bromoform	ND	0.0050	1	05/24/2017 00:12
Bromomethane	ND	0.0050	1	05/24/2017 00:12
2-Butanone (MEK)	ND	0.020	1	05/24/2017 00:12
t-Butyl alcohol (TBA)	ND	0.050	1	05/24/2017 00:12
n-Butyl benzene	ND	0.0050	1	05/24/2017 00:12
sec-Butyl benzene	ND	0.0050	1	05/24/2017 00:12
tert-Butyl benzene	ND	0.0050	1	05/24/2017 00:12
Carbon Disulfide	ND	0.0050	1	05/24/2017 00:12
Carbon Tetrachloride	ND	0.0050	1	05/24/2017 00:12
Chlorobenzene	ND	0.0050	1	05/24/2017 00:12
Chloroethane	ND	0.0050	1	05/24/2017 00:12
Chloroform	ND	0.0050	1	05/24/2017 00:12
Chloromethane	ND	0.0050	1	05/24/2017 00:12
2-Chlorotoluene	ND	0.0050	1	05/24/2017 00:12
4-Chlorotoluene	ND	0.0050	1	05/24/2017 00:12
Dibromochloromethane	ND	0.0050	1	05/24/2017 00:12
1,2-Dibromo-3-chloropropane	ND	0.0040	1	05/24/2017 00:12
1,2-Dibromoethane (EDB)	ND	0.0040	1	05/24/2017 00:12
Dibromomethane	ND	0.0050	1	05/24/2017 00:12
1,2-Dichlorobenzene	ND	0.0050	1	05/24/2017 00:12
1,3-Dichlorobenzene	ND	0.0050	1	05/24/2017 00:12
1,4-Dichlorobenzene	ND	0.0050	1	05/24/2017 00:12
Dichlorodifluoromethane	ND	0.0050	1	05/24/2017 00:12
1,1-Dichloroethane	ND	0.0050	1	05/24/2017 00:12
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	05/24/2017 00:12
1,1-Dichloroethene	ND	0.0050	1	05/24/2017 00:12
cis-1,2-Dichloroethene	ND	0.0050	1	05/24/2017 00:12
trans-1,2-Dichloroethene	ND	0.0050	1	05/24/2017 00:12
1,2-Dichloropropane	ND	0.0050	1	05/24/2017 00:12
1,3-Dichloropropane	ND	0.0050	1	05/24/2017 00:12
2,2-Dichloropropane	ND	0.0050	1	05/24/2017 00:12

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-2	1705774-023A	Soil	05/15/2017 10:47	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	05/24/2017 00:12
cis-1,3-Dichloropropene	ND	0.0050	1	05/24/2017 00:12
trans-1,3-Dichloropropene	ND	0.0050	1	05/24/2017 00:12
Diisopropyl ether (DIPE)	ND	0.0050	1	05/24/2017 00:12
Ethylbenzene	ND	0.0050	1	05/24/2017 00:12
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	05/24/2017 00:12
Freon 113	ND	0.0050	1	05/24/2017 00:12
Hexachlorobutadiene	ND	0.0050	1	05/24/2017 00:12
Hexachloroethane	ND	0.0050	1	05/24/2017 00:12
2-Hexanone	ND	0.0050	1	05/24/2017 00:12
Isopropylbenzene	ND	0.0050	1	05/24/2017 00:12
4-Isopropyl toluene	ND	0.0050	1	05/24/2017 00:12
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	05/24/2017 00:12
Methylene chloride	ND	0.0050	1	05/24/2017 00:12
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	05/24/2017 00:12
Naphthalene	ND	0.0050	1	05/24/2017 00:12
n-Propyl benzene	ND	0.0050	1	05/24/2017 00:12
Styrene	ND	0.0050	1	05/24/2017 00:12
1,1,1,2-Tetrachloroethane	ND	0.0050	1	05/24/2017 00:12
1,1,2,2-Tetrachloroethane	ND	0.0050	1	05/24/2017 00:12
Tetrachloroethene	ND	0.0050	1	05/24/2017 00:12
Toluene	ND	0.0050	1	05/24/2017 00:12
1,2,3-Trichlorobenzene	ND	0.0050	1	05/24/2017 00:12
1,2,4-Trichlorobenzene	ND	0.0050	1	05/24/2017 00:12
1,1,1-Trichloroethane	ND	0.0050	1	05/24/2017 00:12
1,1,2-Trichloroethane	ND	0.0050	1	05/24/2017 00:12
Trichloroethene	ND	0.0050	1	05/24/2017 00:12
Trichlorofluoromethane	ND	0.0050	1	05/24/2017 00:12
1,2,3-Trichloropropane	ND	0.0050	1	05/24/2017 00:12
1,2,4-Trimethylbenzene	ND	0.0050	1	05/24/2017 00:12
1,3,5-Trimethylbenzene	ND	0.0050	1	05/24/2017 00:12
Vinyl Chloride	ND	0.0050	1	05/24/2017 00:12
Xylenes, Total	ND	0.0050	1	05/24/2017 00:12

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-2	**1705774-023A**	**Soil**	**05/15/2017 10:47**	**GC28**	**139102**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	120	70-130		05/24/2017 00:12
Toluene-d8	115	70-130		05/24/2017 00:12
4-BFB	100	70-130		05/24/2017 00:12
Benzene-d6	80	60-140		05/24/2017 00:12
Ethylbenzene-d10	83	60-140		05/24/2017 00:12
1,2-DCB-d4	70	60-140		05/24/2017 00:12

Analyst(s): AK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-2	1705774-028A	Soil	05/15/2017 11:12	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	05/23/2017 04:22
tert-Amyl methyl ether (TAME)	ND	0.0050	1	05/23/2017 04:22
Benzene	ND	0.0050	1	05/23/2017 04:22
Bromobenzene	ND	0.0050	1	05/23/2017 04:22
Bromochloromethane	ND	0.0050	1	05/23/2017 04:22
Bromodichloromethane	ND	0.0050	1	05/23/2017 04:22
Bromoform	ND	0.0050	1	05/23/2017 04:22
Bromomethane	ND	0.0050	1	05/23/2017 04:22
2-Butanone (MEK)	ND	0.020	1	05/23/2017 04:22
t-Butyl alcohol (TBA)	ND	0.050	1	05/23/2017 04:22
n-Butyl benzene	ND	0.0050	1	05/23/2017 04:22
sec-Butyl benzene	ND	0.0050	1	05/23/2017 04:22
tert-Butyl benzene	ND	0.0050	1	05/23/2017 04:22
Carbon Disulfide	ND	0.0050	1	05/23/2017 04:22
Carbon Tetrachloride	ND	0.0050	1	05/23/2017 04:22
Chlorobenzene	ND	0.0050	1	05/23/2017 04:22
Chloroethane	ND	0.0050	1	05/23/2017 04:22
Chloroform	ND	0.0050	1	05/23/2017 04:22
Chloromethane	ND	0.0050	1	05/23/2017 04:22
2-Chlorotoluene	ND	0.0050	1	05/23/2017 04:22
4-Chlorotoluene	ND	0.0050	1	05/23/2017 04:22
Dibromochloromethane	ND	0.0050	1	05/23/2017 04:22
1,2-Dibromo-3-chloropropane	ND	0.0040	1	05/23/2017 04:22
1,2-Dibromoethane (EDB)	ND	0.0040	1	05/23/2017 04:22
Dibromomethane	ND	0.0050	1	05/23/2017 04:22
1,2-Dichlorobenzene	ND	0.0050	1	05/23/2017 04:22
1,3-Dichlorobenzene	ND	0.0050	1	05/23/2017 04:22
1,4-Dichlorobenzene	ND	0.0050	1	05/23/2017 04:22
Dichlorodifluoromethane	ND	0.0050	1	05/23/2017 04:22
1,1-Dichloroethane	ND	0.0050	1	05/23/2017 04:22
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	05/23/2017 04:22
1,1-Dichloroethene	ND	0.0050	1	05/23/2017 04:22
cis-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 04:22
trans-1,2-Dichloroethene	ND	0.0050	1	05/23/2017 04:22
1,2-Dichloropropane	ND	0.0050	1	05/23/2017 04:22
1,3-Dichloropropane	ND	0.0050	1	05/23/2017 04:22
2,2-Dichloropropane	ND	0.0050	1	05/23/2017 04:22

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-2	1705774-028A	Soil	05/15/2017 11:12	GC28	139102

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	05/23/2017 04:22
cis-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 04:22
trans-1,3-Dichloropropene	ND	0.0050	1	05/23/2017 04:22
Diisopropyl ether (DIPE)	ND	0.0050	1	05/23/2017 04:22
Ethylbenzene	ND	0.0050	1	05/23/2017 04:22
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	05/23/2017 04:22
Freon 113	ND	0.0050	1	05/23/2017 04:22
Hexachlorobutadiene	ND	0.0050	1	05/23/2017 04:22
Hexachloroethane	ND	0.0050	1	05/23/2017 04:22
2-Hexanone	ND	0.0050	1	05/23/2017 04:22
Isopropylbenzene	ND	0.0050	1	05/23/2017 04:22
4-Isopropyl toluene	ND	0.0050	1	05/23/2017 04:22
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	05/23/2017 04:22
Methylene chloride	ND	0.0050	1	05/23/2017 04:22
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	05/23/2017 04:22
Naphthalene	ND	0.0050	1	05/23/2017 04:22
n-Propyl benzene	ND	0.0050	1	05/23/2017 04:22
Styrene	ND	0.0050	1	05/23/2017 04:22
1,1,1,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 04:22
1,1,2,2-Tetrachloroethane	ND	0.0050	1	05/23/2017 04:22
Tetrachloroethene	ND	0.0050	1	05/23/2017 04:22
Toluene	ND	0.0050	1	05/23/2017 04:22
1,2,3-Trichlorobenzene	ND	0.0050	1	05/23/2017 04:22
1,2,4-Trichlorobenzene	ND	0.0050	1	05/23/2017 04:22
1,1,1-Trichloroethane	ND	0.0050	1	05/23/2017 04:22
1,1,2-Trichloroethane	ND	0.0050	1	05/23/2017 04:22
Trichloroethene	ND	0.0050	1	05/23/2017 04:22
Trichlorofluoromethane	ND	0.0050	1	05/23/2017 04:22
1,2,3-Trichloropropane	ND	0.0050	1	05/23/2017 04:22
1,2,4-Trimethylbenzene	ND	0.0050	1	05/23/2017 04:22
1,3,5-Trimethylbenzene	ND	0.0050	1	05/23/2017 04:22
Vinyl Chloride	ND	0.0050	1	05/23/2017 04:22
Xylenes, Total	ND	0.0050	1	05/23/2017 04:22

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW5030B
Date Prepared:	5/17/17	**Analytical Method:**	SW8260B
Project:	365735; Race St.	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-2	**1705774-028A**	**Soil**	**05/15/2017 11:12**	**GC28**	**139102**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	117	70-130		05/23/2017 04:22
Toluene-d8	117	70-130		05/23/2017 04:22
4-BFB	101	70-130		05/23/2017 04:22
Benzene-d6	87	60-140		05/23/2017 04:22
Ethylbenzene-d10	92	60-140		05/23/2017 04:22
1,2-DCB-d4	74	60-140		05/23/2017 04:22

Analyst(s): HK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-2	**1705774-003A**	**Soil**	**05/15/2017 08:36**	**ICP-MS3**	**139097**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.8**	0.50	1	05/19/2017 14:40
Arsenic	**6.9**	0.50	1	05/19/2017 14:40
Barium	**250**	5.0	1	05/19/2017 14:40
Beryllium	**0.54**	0.50	1	05/19/2017 14:40
Cadmium	**1.0**	0.25	1	05/19/2017 14:40
Chromium	**56**	0.50	1	05/19/2017 14:40
Cobalt	**11**	0.50	1	05/19/2017 14:40
Copper	**47**	0.50	1	05/19/2017 14:40
Lead	**280**	0.50	1	05/19/2017 14:40
Mercury	**0.39**	0.050	1	05/19/2017 14:40
Molybdenum	**0.95**	0.50	1	05/19/2017 14:40
Nickel	**86**	0.50	1	05/19/2017 14:40
Selenium	**0.51**	0.50	1	05/19/2017 14:40
Silver	ND	0.50	1	05/19/2017 14:40
Thallium	ND	0.50	1	05/19/2017 14:40
Vanadium	**47**	0.50	1	05/19/2017 14:40
Zinc	**250**	5.0	1	05/19/2017 14:40

Surrogates	REC (%)	Limits	
Terbium	109	70-130	05/19/2017 14:40

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-4	**1705774-004A**	**Soil**	**05/15/2017 08:38**	**ICP-MS3**	**139097**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 14:46
Arsenic	**5.3**	0.50	1	05/19/2017 14:46
Barium	**130**	5.0	1	05/19/2017 14:46
Beryllium	**0.62**	0.50	1	05/19/2017 14:46
Cadmium	ND	0.25	1	05/19/2017 14:46
Chromium	**53**	0.50	1	05/19/2017 14:46
Cobalt	**11**	0.50	1	05/19/2017 14:46
Copper	**31**	0.50	1	05/19/2017 14:46
Lead	**7.8**	0.50	1	05/19/2017 14:46
Mercury	**0.066**	0.050	1	05/19/2017 14:46
Molybdenum	**0.83**	0.50	1	05/19/2017 14:46
Nickel	**69**	0.50	1	05/19/2017 14:46
Selenium	ND	0.50	1	05/19/2017 14:46
Silver	ND	0.50	1	05/19/2017 14:46
Thallium	ND	0.50	1	05/19/2017 14:46
Vanadium	**46**	0.50	1	05/19/2017 14:46
Zinc	**70**	5.0	1	05/19/2017 14:46

Surrogates	REC (%)	Limits	
Terbium	105	70-130	05/19/2017 14:46

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-6	**1705774-005A**	**Soil**	**05/15/2017 08:43**	**ICP-MS3**	**139097**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 14:53
Arsenic	**4.7**	0.50	1	05/19/2017 14:53
Barium	**120**	5.0	1	05/19/2017 14:53
Beryllium	**0.51**	0.50	1	05/19/2017 14:53
Cadmium	ND	0.25	1	05/19/2017 14:53
Chromium	**45**	0.50	1	05/19/2017 14:53
Cobalt	**8.8**	0.50	1	05/19/2017 14:53
Copper	**22**	0.50	1	05/19/2017 14:53
Lead	**5.9**	0.50	1	05/19/2017 14:53
Mercury	**0.070**	0.050	1	05/19/2017 14:53
Molybdenum	**0.54**	0.50	1	05/19/2017 14:53
Nickel	**58**	0.50	1	05/19/2017 14:53
Selenium	ND	0.50	1	05/19/2017 14:53
Silver	ND	0.50	1	05/19/2017 14:53
Thallium	ND	0.50	1	05/19/2017 14:53
Vanadium	**40**	0.50	1	05/19/2017 14:53
Zinc	**50**	5.0	1	05/19/2017 14:53

Surrogates	REC (%)	Limits	
Terbium	111	70-130	05/19/2017 14:53

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-10	**1705774-007A**	**Soil**	**05/15/2017 08:57**	**ICP-MS3**	**139097**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 15:17
Arsenic	**5.0**	0.50	1	05/19/2017 15:17
Barium	**110**	5.0	1	05/19/2017 15:17
Beryllium	**0.51**	0.50	1	05/19/2017 15:17
Cadmium	ND	0.25	1	05/19/2017 15:17
Chromium	**36**	0.50	1	05/19/2017 15:17
Cobalt	**6.1**	0.50	1	05/19/2017 15:17
Copper	**19**	0.50	1	05/19/2017 15:17
Lead	**5.3**	0.50	1	05/19/2017 15:17
Mercury	**0.091**	0.050	1	05/19/2017 15:17
Molybdenum	ND	0.50	1	05/19/2017 15:17
Nickel	**38**	0.50	1	05/19/2017 15:17
Selenium	ND	0.50	1	05/19/2017 15:17
Silver	ND	0.50	1	05/19/2017 15:17
Thallium	ND	0.50	1	05/19/2017 15:17
Vanadium	**40**	0.50	1	05/19/2017 15:17
Zinc	**45**	5.0	1	05/19/2017 15:17

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/19/2017 15:17

Analyst(s): JC

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-2	**1705774-008A**	**Soil**	**05/15/2017 09:07**	**ICP-MS3**	**139097**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.4**	0.50	1	05/19/2017 15:24
Arsenic	**7.1**	0.50	1	05/19/2017 15:24
Barium	**230**	5.0	1	05/19/2017 15:24
Beryllium	**0.52**	0.50	1	05/19/2017 15:24
Cadmium	**0.66**	0.25	1	05/19/2017 15:24
Chromium	**55**	0.50	1	05/19/2017 15:24
Cobalt	**12**	0.50	1	05/19/2017 15:24
Copper	**49**	0.50	1	05/19/2017 15:24
Lead	**180**	0.50	1	05/19/2017 15:24
Mercury	**0.37**	0.050	1	05/19/2017 15:24
Molybdenum	**1.3**	0.50	1	05/19/2017 15:24
Nickel	**110**	0.50	1	05/19/2017 15:24
Selenium	ND	0.50	1	05/19/2017 15:24
Silver	ND	0.50	1	05/19/2017 15:24
Thallium	ND	0.50	1	05/19/2017 15:24
Vanadium	**47**	0.50	1	05/19/2017 15:24
Zinc	**210**	5.0	1	05/19/2017 15:24

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/19/2017 15:24

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-4	**1705774-009A**	**Soil**	**05/15/2017 09:09**	**ICP-MS1**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.62**	0.50	1	05/19/2017 19:24
Arsenic	**6.1**	0.50	1	05/19/2017 19:24
Barium	**150**	5.0	1	05/19/2017 19:24
Beryllium	**0.68**	0.50	1	05/19/2017 19:24
Cadmium	ND	0.25	1	05/19/2017 19:24
Chromium	**89**	0.50	1	05/19/2017 19:24
Cobalt	**13**	0.50	1	05/19/2017 19:24
Copper	**34**	0.50	1	05/19/2017 19:24
Lead	**11**	0.50	1	05/19/2017 19:24
Mercury	**0.070**	0.050	1	05/19/2017 19:24
Molybdenum	**0.79**	0.50	1	05/19/2017 19:24
Nickel	**86**	0.50	1	05/19/2017 19:24
Selenium	**0.57**	0.50	1	05/19/2017 19:24
Silver	ND	0.50	1	05/19/2017 19:24
Thallium	ND	0.50	1	05/19/2017 19:24
Vanadium	**49**	0.50	1	05/19/2017 19:24
Zinc	**83**	5.0	1	05/19/2017 19:24

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/19/2017 19:24

Analyst(s): DB

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-6	**1705774-010A**	**Soil**	**05/15/2017 09:15**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 15:36
Arsenic	**4.3**	0.50	1	05/19/2017 15:36
Barium	**110**	5.0	1	05/19/2017 15:36
Beryllium	ND	0.50	1	05/19/2017 15:36
Cadmium	ND	0.25	1	05/19/2017 15:36
Chromium	**44**	0.50	1	05/19/2017 15:36
Cobalt	**7.8**	0.50	1	05/19/2017 15:36
Copper	**24**	0.50	1	05/19/2017 15:36
Lead	**5.8**	0.50	1	05/19/2017 15:36
Mercury	**0.067**	0.050	1	05/19/2017 15:36
Molybdenum	**0.63**	0.50	1	05/19/2017 15:36
Nickel	**55**	0.50	1	05/19/2017 15:36
Selenium	ND	0.50	1	05/19/2017 15:36
Silver	ND	0.50	1	05/19/2017 15:36
Thallium	ND	0.50	1	05/19/2017 15:36
Vanadium	**44**	0.50	1	05/19/2017 15:36
Zinc	**50**	5.0	1	05/19/2017 15:36

Surrogates	REC (%)	Limits	
Terbium	109	70-130	05/19/2017 15:36

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-10	**1705774-012A**	**Soil**	**05/15/2017 09:19**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.54**	0.50	1	05/19/2017 16:01
Arsenic	**6.9**	0.50	1	05/19/2017 16:01
Barium	**150**	5.0	1	05/19/2017 16:01
Beryllium	**0.60**	0.50	1	05/19/2017 16:01
Cadmium	ND	0.25	1	05/19/2017 16:01
Chromium	**48**	0.50	1	05/19/2017 16:01
Cobalt	**16**	0.50	1	05/19/2017 16:01
Copper	**29**	0.50	1	05/19/2017 16:01
Lead	**7.6**	0.50	1	05/19/2017 16:01
Mercury	**0.10**	0.050	1	05/19/2017 16:01
Molybdenum	**1.1**	0.50	1	05/19/2017 16:01
Nickel	**74**	0.50	1	05/19/2017 16:01
Selenium	ND	0.50	1	05/19/2017 16:01
Silver	ND	0.50	1	05/19/2017 16:01
Thallium	ND	0.50	1	05/19/2017 16:01
Vanadium	**47**	0.50	1	05/19/2017 16:01
Zinc	**57**	5.0	1	05/19/2017 16:01

Surrogates	REC (%)	Limits	
Terbium	110	70-130	05/19/2017 16:01

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-2	**1705774-013A**	**Soil**	**05/15/2017 09:39**	**ICP-MS1**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.86**	0.50	1	05/19/2017 19:30
Arsenic	**6.9**	0.50	1	05/19/2017 19:30
Barium	**130**	5.0	1	05/19/2017 19:30
Beryllium	ND	0.50	1	05/19/2017 19:30
Cadmium	**0.31**	0.25	1	05/19/2017 19:30
Chromium	**44**	0.50	1	05/19/2017 19:30
Cobalt	**9.5**	0.50	1	05/19/2017 19:30
Copper	**26**	0.50	1	05/19/2017 19:30
Lead	**55**	0.50	1	05/19/2017 19:30
Mercury	**0.49**	0.050	1	05/19/2017 19:30
Molybdenum	**5.0**	0.50	1	05/19/2017 19:30
Nickel	**53**	0.50	1	05/19/2017 19:30
Selenium	ND	0.50	1	05/19/2017 19:30
Silver	ND	0.50	1	05/19/2017 19:30
Thallium	ND	0.50	1	05/19/2017 19:30
Vanadium	**32**	0.50	1	05/19/2017 19:30
Zinc	**85**	5.0	1	05/19/2017 19:30

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/19/2017 19:30

Analyst(s): DB

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-4	**1705774-014A**	**Soil**	**05/15/2017 09:43**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.56**	0.50	1	05/19/2017 16:07
Arsenic	**8.7**	0.50	1	05/19/2017 16:07
Barium	**130**	5.0	1	05/19/2017 16:07
Beryllium	ND	0.50	1	05/19/2017 16:07
Cadmium	ND	0.25	1	05/19/2017 16:07
Chromium	**45**	0.50	1	05/19/2017 16:07
Cobalt	**8.4**	0.50	1	05/19/2017 16:07
Copper	**27**	0.50	1	05/19/2017 16:07
Lead	**82**	0.50	1	05/19/2017 16:07
Mercury	**0.099**	0.050	1	05/19/2017 16:07
Molybdenum	**1.8**	0.50	1	05/19/2017 16:07
Nickel	**57**	0.50	1	05/19/2017 16:07
Selenium	ND	0.50	1	05/19/2017 16:07
Silver	ND	0.50	1	05/19/2017 16:07
Thallium	ND	0.50	1	05/19/2017 16:07
Vanadium	**38**	0.50	1	05/19/2017 16:07
Zinc	**97**	5.0	1	05/19/2017 16:07

Surrogates	REC (%)	Limits	
Terbium	109	70-130	05/19/2017 16:07

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-6	**1705774-015A**	**Soil**	**05/15/2017 09:48**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 16:14
Arsenic	**4.9**	0.50	1	05/19/2017 16:14
Barium	**120**	5.0	1	05/19/2017 16:14
Beryllium	**0.57**	0.50	1	05/19/2017 16:14
Cadmium	ND	0.25	1	05/19/2017 16:14
Chromium	**48**	0.50	1	05/19/2017 16:14
Cobalt	**9.3**	0.50	1	05/19/2017 16:14
Copper	**23**	0.50	1	05/19/2017 16:14
Lead	**7.1**	0.50	1	05/19/2017 16:14
Mercury	**0.066**	0.050	1	05/19/2017 16:14
Molybdenum	**0.68**	0.50	1	05/19/2017 16:14
Nickel	**62**	0.50	1	05/19/2017 16:14
Selenium	ND	0.50	1	05/19/2017 16:14
Silver	ND	0.50	1	05/19/2017 16:14
Thallium	ND	0.50	1	05/19/2017 16:14
Vanadium	**43**	0.50	1	05/19/2017 16:14
Zinc	**56**	5.0	1	05/19/2017 16:14

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/19/2017 16:14

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-10	**1705774-017A**	**Soil**	**05/15/2017 09:52**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 16:20
Arsenic	**5.8**	0.50	1	05/19/2017 16:20
Barium	**120**	5.0	1	05/19/2017 16:20
Beryllium	**0.63**	0.50	1	05/19/2017 16:20
Cadmium	ND	0.25	1	05/19/2017 16:20
Chromium	**120**	0.50	1	05/19/2017 16:20
Cobalt	**13**	0.50	1	05/19/2017 16:20
Copper	**35**	0.50	1	05/19/2017 16:20
Lead	**5.6**	0.50	1	05/19/2017 16:20
Mercury	**0.061**	0.050	1	05/19/2017 16:20
Molybdenum	**0.68**	0.50	1	05/19/2017 16:20
Nickel	**130**	0.50	1	05/19/2017 16:20
Selenium	**0.78**	0.50	1	05/19/2017 16:20
Silver	ND	0.50	1	05/19/2017 16:20
Thallium	ND	0.50	1	05/19/2017 16:20
Vanadium	**44**	0.50	1	05/19/2017 16:20
Zinc	**55**	5.0	1	05/19/2017 16:20

Surrogates	REC (%)	Limits	
Terbium	111	70-130	05/19/2017 16:20

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-2	**1705774-018A**	**Soil**	**05/15/2017 10:10**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.59**	0.50	1	05/19/2017 16:26
Arsenic	**5.3**	0.50	1	05/19/2017 16:26
Barium	**160**	5.0	1	05/19/2017 16:26
Beryllium	ND	0.50	1	05/19/2017 16:26
Cadmium	**0.27**	0.25	1	05/19/2017 16:26
Chromium	**190**	0.50	1	05/19/2017 16:26
Cobalt	**21**	0.50	1	05/19/2017 16:26
Copper	**32**	0.50	1	05/19/2017 16:26
Lead	**35**	0.50	1	05/19/2017 16:26
Mercury	**0.70**	0.050	1	05/19/2017 16:26
Molybdenum	**0.70**	0.50	1	05/19/2017 16:26
Nickel	**320**	0.50	1	05/19/2017 16:26
Selenium	**0.93**	0.50	1	05/19/2017 16:26
Silver	ND	0.50	1	05/19/2017 16:26
Thallium	ND	0.50	1	05/19/2017 16:26
Vanadium	**43**	0.50	1	05/19/2017 16:26
Zinc	**91**	5.0	1	05/19/2017 16:26

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/19/2017 16:26

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-4	**1705774-019A**	**Soil**	**05/15/2017 10:12**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 16:32
Arsenic	**5.6**	0.50	1	05/19/2017 16:32
Barium	**150**	5.0	1	05/19/2017 16:32
Beryllium	**0.52**	0.50	1	05/19/2017 16:32
Cadmium	ND	0.25	1	05/19/2017 16:32
Chromium	**50**	0.50	1	05/19/2017 16:32
Cobalt	**11**	0.50	1	05/19/2017 16:32
Copper	**28**	0.50	1	05/19/2017 16:32
Lead	**7.9**	0.50	1	05/19/2017 16:32
Mercury	**0.12**	0.050	1	05/19/2017 16:32
Molybdenum	**0.89**	0.50	1	05/19/2017 16:32
Nickel	**65**	0.50	1	05/19/2017 16:32
Selenium	ND	0.50	1	05/19/2017 16:32
Silver	ND	0.50	1	05/19/2017 16:32
Thallium	ND	0.50	1	05/19/2017 16:32
Vanadium	**45**	0.50	1	05/19/2017 16:32
Zinc	**65**	5.0	1	05/19/2017 16:32

Surrogates	REC (%)	Limits	
Terbium	107	70-130	05/19/2017 16:32

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-6	**1705774-020A**	**Soil**	**05/15/2017 10:17**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 16:38
Arsenic	**4.7**	0.50	1	05/19/2017 16:38
Barium	**120**	5.0	1	05/19/2017 16:38
Beryllium	ND	0.50	1	05/19/2017 16:38
Cadmium	ND	0.25	1	05/19/2017 16:38
Chromium	**45**	0.50	1	05/19/2017 16:38
Cobalt	**9.1**	0.50	1	05/19/2017 16:38
Copper	**21**	0.50	1	05/19/2017 16:38
Lead	**5.8**	0.50	1	05/19/2017 16:38
Mercury	ND	0.050	1	05/19/2017 16:38
Molybdenum	**0.89**	0.50	1	05/19/2017 16:38
Nickel	**59**	0.50	1	05/19/2017 16:38
Selenium	ND	0.50	1	05/19/2017 16:38
Silver	ND	0.50	1	05/19/2017 16:38
Thallium	ND	0.50	1	05/19/2017 16:38
Vanadium	**40**	0.50	1	05/19/2017 16:38
Zinc	**51**	5.0	1	05/19/2017 16:38

Surrogates	REC (%)	Limits	
Terbium	112	70-130	05/19/2017 16:38

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-10	**1705774-022A**	**Soil**	**05/15/2017 10:21**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 16:45
Arsenic	**3.6**	0.50	1	05/19/2017 16:45
Barium	**90**	5.0	1	05/19/2017 16:45
Beryllium	ND	0.50	1	05/19/2017 16:45
Cadmium	ND	0.25	1	05/19/2017 16:45
Chromium	**33**	0.50	1	05/19/2017 16:45
Cobalt	**5.8**	0.50	1	05/19/2017 16:45
Copper	**16**	0.50	1	05/19/2017 16:45
Lead	**4.8**	0.50	1	05/19/2017 16:45
Mercury	**0.25**	0.050	1	05/19/2017 16:45
Molybdenum	ND	0.50	1	05/19/2017 16:45
Nickel	**39**	0.50	1	05/19/2017 16:45
Selenium	ND	0.50	1	05/19/2017 16:45
Silver	ND	0.50	1	05/19/2017 16:45
Thallium	ND	0.50	1	05/19/2017 16:45
Vanadium	**31**	0.50	1	05/19/2017 16:45
Zinc	**38**	5.0	1	05/19/2017 16:45

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/19/2017 16:45

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-2	**1705774-023A**	**Soil**	**05/15/2017 10:47**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 16:51
Arsenic	**5.6**	0.50	1	05/19/2017 16:51
Barium	**170**	5.0	1	05/19/2017 16:51
Beryllium	**0.63**	0.50	1	05/19/2017 16:51
Cadmium	**0.27**	0.25	1	05/19/2017 16:51
Chromium	**51**	0.50	1	05/19/2017 16:51
Cobalt	**12**	0.50	1	05/19/2017 16:51
Copper	**33**	0.50	1	05/19/2017 16:51
Lead	**9.4**	0.50	1	05/19/2017 16:51
Mercury	**0.052**	0.050	1	05/19/2017 16:51
Molybdenum	**0.98**	0.50	1	05/19/2017 16:51
Nickel	**69**	0.50	1	05/19/2017 16:51
Selenium	**0.52**	0.50	1	05/19/2017 16:51
Silver	ND	0.50	1	05/19/2017 16:51
Thallium	ND	0.50	1	05/19/2017 16:51
Vanadium	**47**	0.50	1	05/19/2017 16:51
Zinc	**84**	5.0	1	05/19/2017 16:51

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/19/2017 16:51

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-4	**1705774-024A**	**Soil**	**05/15/2017 10:49**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 18:06
Arsenic	**5.4**	0.50	1	05/19/2017 18:06
Barium	**140**	5.0	1	05/19/2017 18:06
Beryllium	**0.57**	0.50	1	05/19/2017 18:06
Cadmium	ND	0.25	1	05/19/2017 18:06
Chromium	**50**	0.50	1	05/19/2017 18:06
Cobalt	**11**	0.50	1	05/19/2017 18:06
Copper	**28**	0.50	1	05/19/2017 18:06
Lead	**7.1**	0.50	1	05/19/2017 18:06
Mercury	ND	0.050	1	05/19/2017 18:06
Molybdenum	**0.75**	0.50	1	05/19/2017 18:06
Nickel	**68**	0.50	1	05/19/2017 18:06
Selenium	ND	0.50	1	05/19/2017 18:06
Silver	ND	0.50	1	05/19/2017 18:06
Thallium	ND	0.50	1	05/19/2017 18:06
Vanadium	**46**	0.50	1	05/19/2017 18:06
Zinc	**65**	5.0	1	05/19/2017 18:06

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/19/2017 18:06

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-6	**1705774-025A**	**Soil**	**05/15/2017 10:54**	**ICP-MS1**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 19:36
Arsenic	**3.8**	0.50	1	05/19/2017 19:36
Barium	**110**	5.0	1	05/19/2017 19:36
Beryllium	ND	0.50	1	05/19/2017 19:36
Cadmium	ND	0.25	1	05/19/2017 19:36
Chromium	**43**	0.50	1	05/19/2017 19:36
Cobalt	**7.8**	0.50	1	05/19/2017 19:36
Copper	**21**	0.50	1	05/19/2017 19:36
Lead	**6.6**	0.50	1	05/19/2017 19:36
Mercury	ND	0.050	1	05/19/2017 19:36
Molybdenum	**0.70**	0.50	1	05/19/2017 19:36
Nickel	**55**	0.50	1	05/19/2017 19:36
Selenium	ND	0.50	1	05/19/2017 19:36
Silver	ND	0.50	1	05/19/2017 19:36
Thallium	ND	0.50	1	05/19/2017 19:36
Vanadium	**38**	0.50	1	05/19/2017 19:36
Zinc	**49**	5.0	1	05/19/2017 19:36

Surrogates	REC (%)	Limits	
Terbium	109	70-130	05/19/2017 19:36

Analyst(s): DB

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-10	**1705774-027A**	**Soil**	**05/15/2017 10:58**	**ICP-MS1**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 14:17
Arsenic	**3.6**	0.50	1	05/19/2017 14:17
Barium	**130**	5.0	1	05/19/2017 14:17
Beryllium	**0.63**	0.50	1	05/19/2017 14:17
Cadmium	ND	0.25	1	05/19/2017 14:17
Chromium	**36**	0.50	1	05/19/2017 14:17
Cobalt	**5.3**	0.50	1	05/19/2017 14:17
Copper	**16**	0.50	1	05/19/2017 14:17
Lead	**6.5**	0.50	1	05/19/2017 14:17
Mercury	ND	0.050	1	05/19/2017 14:17
Molybdenum	ND	0.50	1	05/19/2017 14:17
Nickel	**39**	0.50	1	05/19/2017 14:17
Selenium	ND	0.50	1	05/19/2017 14:17
Silver	ND	0.50	1	05/19/2017 14:17
Thallium	ND	0.50	1	05/19/2017 14:17
Vanadium	**33**	0.50	1	05/19/2017 14:17
Zinc	**43**	5.0	1	05/19/2017 14:17

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/19/2017 14:17

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-2	**1705774-028A**	**Soil**	**05/15/2017 11:12**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.66**	0.50	1	05/19/2017 18:12
Arsenic	**7.0**	0.50	1	05/19/2017 18:12
Barium	**210**	5.0	1	05/19/2017 18:12
Beryllium	**0.71**	0.50	1	05/19/2017 18:12
Cadmium	**0.38**	0.25	1	05/19/2017 18:12
Chromium	**59**	0.50	1	05/19/2017 18:12
Cobalt	**13**	0.50	1	05/19/2017 18:12
Copper	**40**	0.50	1	05/19/2017 18:12
Lead	**78**	0.50	1	05/19/2017 18:12
Mercury	**0.19**	0.050	1	05/19/2017 18:12
Molybdenum	**1.2**	0.50	1	05/19/2017 18:12
Nickel	**78**	0.50	1	05/19/2017 18:12
Selenium	**0.61**	0.50	1	05/19/2017 18:12
Silver	ND	0.50	1	05/19/2017 18:12
Thallium	ND	0.50	1	05/19/2017 18:12
Vanadium	**54**	0.50	1	05/19/2017 18:12
Zinc	**160**	5.0	1	05/19/2017 18:12

Surrogates	REC (%)	Limits	
Terbium	104	70-130	05/19/2017 18:12

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-4	**1705774-029A**	**Soil**	**05/15/2017 11:14**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.53**	0.50	1	05/19/2017 18:18
Arsenic	**6.0**	0.50	1	05/19/2017 18:18
Barium	**150**	5.0	1	05/19/2017 18:18
Beryllium	**0.59**	0.50	1	05/19/2017 18:18
Cadmium	ND	0.25	1	05/19/2017 18:18
Chromium	**56**	0.50	1	05/19/2017 18:18
Cobalt	**11**	0.50	1	05/19/2017 18:18
Copper	**28**	0.50	1	05/19/2017 18:18
Lead	**8.0**	0.50	1	05/19/2017 18:18
Mercury	ND	0.050	1	05/19/2017 18:18
Molybdenum	**0.96**	0.50	1	05/19/2017 18:18
Nickel	**77**	0.50	1	05/19/2017 18:18
Selenium	ND	0.50	1	05/19/2017 18:18
Silver	ND	0.50	1	05/19/2017 18:18
Thallium	ND	0.50	1	05/19/2017 18:18
Vanadium	**50**	0.50	1	05/19/2017 18:18
Zinc	**67**	5.0	1	05/19/2017 18:18

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/19/2017 18:18

Analyst(s): MIG

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-6	**1705774-030A**	**Soil**	**05/15/2017 11:19**	**ICP-MS3**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/20/2017 00:40
Arsenic	**4.3**	0.50	1	05/20/2017 00:40
Barium	**100**	5.0	1	05/20/2017 00:40
Beryllium	ND	0.50	1	05/20/2017 00:40
Cadmium	ND	0.25	1	05/20/2017 00:40
Chromium	**44**	0.50	1	05/20/2017 00:40
Cobalt	**8.6**	0.50	1	05/20/2017 00:40
Copper	**21**	0.50	1	05/20/2017 00:40
Lead	**5.6**	0.50	1	05/20/2017 00:40
Mercury	ND	0.050	1	05/20/2017 00:40
Molybdenum	**0.59**	0.50	1	05/20/2017 00:40
Nickel	**57**	0.50	1	05/20/2017 00:40
Selenium	ND	0.50	1	05/20/2017 00:40
Silver	ND	0.50	1	05/20/2017 00:40
Thallium	ND	0.50	1	05/20/2017 00:40
Vanadium	**39**	0.50	1	05/20/2017 00:40
Zinc	**47**	5.0	1	05/20/2017 00:40

Surrogates	REC (%)	Limits	
Terbium	102	70-130	05/20/2017 00:40

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3050B
Date Prepared:	5/17/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-14-10	**1705774-032A**	**Soil**	**05/15/2017 11:23**	**ICP-MS1**	**139126**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	05/19/2017 19:42
Arsenic	**5.3**	0.50	1	05/19/2017 19:42
Barium	**120**	5.0	1	05/19/2017 19:42
Beryllium	**0.57**	0.50	1	05/19/2017 19:42
Cadmium	ND	0.25	1	05/19/2017 19:42
Chromium	**52**	0.50	1	05/19/2017 19:42
Cobalt	**8.2**	0.50	1	05/19/2017 19:42
Copper	**26**	0.50	1	05/19/2017 19:42
Lead	**7.1**	0.50	1	05/19/2017 19:42
Mercury	**0.083**	0.050	1	05/19/2017 19:42
Molybdenum	**0.67**	0.50	1	05/19/2017 19:42
Nickel	**65**	0.50	1	05/19/2017 19:42
Selenium	ND	0.50	1	05/19/2017 19:42
Silver	ND	0.50	1	05/19/2017 19:42
Thallium	ND	0.50	1	05/19/2017 19:42
Vanadium	**43**	0.50	1	05/19/2017 19:42
Zinc	**60**	5.0	1	05/19/2017 19:42

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/19/2017 19:42

Analyst(s): DB

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B
Date Prepared:	5/17/17	**Analytical Method:**	SW8015B
Project:	365735; Race St.	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-2	**1705774-003A**	**Soil**	**05/15/2017 08:36**	**GC11B**	**139108**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**7.1**	5.0	5	05/22/2017 16:49
TPH-Motor Oil (C18-C36)	**49**	25	5	05/22/2017 16:49

Surrogates	REC (%)	Limits	
C9	96	78-109	05/22/2017 16:49

Analyst(s): TK Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-2	**1705774-008A**	**Soil**	**05/15/2017 09:07**	**GC11A**	**139108**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.1**	1.0	1	05/20/2017 01:38
TPH-Motor Oil (C18-C36)	**14**	5.0	1	05/20/2017 01:38

Surrogates	REC (%)	Limits	
C9	94	78-109	05/20/2017 01:38

Analyst(s): TK Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-2	**1705774-013A**	**Soil**	**05/15/2017 09:39**	**GC9b**	**139108**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	10	10	05/22/2017 14:29
TPH-Motor Oil (C18-C36)	**290**	50	10	05/22/2017 14:29

Surrogates	REC (%)	Limits	
C9	93	78-109	05/22/2017 14:29

Analyst(s): TK Analytical Comments: e7,a3

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B
Date Prepared:	5/17/17	**Analytical Method:**	SW8015B
Project:	365735; Race St.	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-2	**1705774-018A**	**Soil**	**05/15/2017 10:10**	**GC11A**	**139108**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**5.4**	2.0	2	05/20/2017 09:27
TPH-Motor Oil (C18-C36)	**42**	10	2	05/20/2017 09:27

Surrogates	REC (%)	Limits	
C9	91	78-109	05/20/2017 09:27

Analyst(s): TK Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-4	**1705774-019A**	**Soil**	**05/15/2017 10:12**	**GC11A**	**139108**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	05/19/2017 20:22
TPH-Motor Oil (C18-C36)	ND	5.0	1	05/19/2017 20:22

Surrogates	REC (%)	Limits	
C9	96	78-109	05/19/2017 20:22

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-6	**1705774-020A**	**Soil**	**05/15/2017 10:17**	**GC11A**	**139108**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	05/20/2017 00:20
TPH-Motor Oil (C18-C36)	ND	5.0	1	05/20/2017 00:20

Surrogates	REC (%)	Limits	
C9	96	78-109	05/20/2017 00:20

Analyst(s): TK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B
Date Prepared:	5/17/17	**Analytical Method:**	SW8015B
Project:	365735; Race St.	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-8	1705774-021A	Soil	05/15/2017 10:19	GC11A	139108

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.4**	1.0	1	05/20/2017 03:36
TPH-Motor Oil (C18-C36)	**5.9**	5.0	1	05/20/2017 03:36

Surrogates	REC (%)	Limits	
C9	93	78-109	05/20/2017 03:36

Analyst(s): TK Analytical Comments: e7,e2

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-10	1705774-022A	Soil	05/15/2017 10:21	GC11A	139108

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	05/19/2017 21:42
TPH-Motor Oil (C18-C36)	ND	5.0	1	05/19/2017 21:42

Surrogates	REC (%)	Limits	
C9	94	78-109	05/19/2017 21:42

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-2	1705774-023A	Soil	05/15/2017 10:47	GC11A	139108

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	05/19/2017 19:03
TPH-Motor Oil (C18-C36)	ND	5.0	1	05/19/2017 19:03

Surrogates	REC (%)	Limits	
C9	95	78-109	05/19/2017 19:03

Analyst(s): TK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW3550B
Date Prepared:	5/17/17	**Analytical Method:**	SW8015B
Project:	365735; Race St.	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-2	**1705774-028A**	**Soil**	**05/15/2017 11:12**	**GC11A**	**139108**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	05/19/2017 23:00
TPH-Motor Oil (C18-C36)	ND	5.0	1	05/19/2017 23:00

Surrogates	REC (%)	Limits	
C9	95	78-109	05/19/2017 23:00

Analyst(s): TK

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139102
Date Analyzed:	5/19/17	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139102 1705765-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0515	0.0050	0.050	-	103	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0503	0.0040	0.050	-	101	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0565	0.0040	0.050	-	113	58-135
1,1-Dichloroethene	ND	0.0528	0.0050	0.050	-	106	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
Methylene chloride	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139102
Date Analyzed:	5/19/17	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139102 1705765-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Tetrachloroethene	ND	-	0.0050	-	-	-	-
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0599	0.0050	0.050	-	120	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.129	0.133		0.12	103	106	70-130
Toluene-d8	0.1591	0.160		0.12	127	128	70-130
4-BFB	0.01357	0.0141		0.012	109	113	70-130
Benzene-d6	0.095	0.103		0.10	95	103	60-140
Ethylbenzene-d10	0.1152	0.125		0.10	115	125	60-140
1,2-DCB-d4	0.07996	0.0833		0.10	80	83	60-140

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chlorobenzene	0.0503	0.0514	0.050	ND	101	103	77-121	2.29	20
1,2-Dibromoethane (EDB)	0.0497	0.0506	0.050	ND	99	101	67-119	1.92	20
1,2-Dichloroethane (1,2-DCA)	0.0365	0.0377	0.050	ND	73	75	58-135	3.29	20
1,1-Dichloroethene	0.0478	0.0501	0.050	ND	96	100	42-145	4.71	20
Trichloroethene	0.0468	0.0485	0.050	ND	94	97	72-132	3.58	20
Surrogate Recovery									
Dibromofluoromethane	0.132	0.133	0.12		106	106	70-130	0	20
Toluene-d8	0.158	0.159	0.12		126	127	70-130	0.714	20
4-BFB	0.0149	0.0147	0.012		119	117	70-130	1.72	20
Benzene-d6	0.105	0.108	0.10		105	108	60-140	3.14	20
Ethylbenzene-d10	0.102	0.104	0.10		102	104	60-140	1.83	20
1,2-DCB-d4	0.0814	0.0828	0.10		81	83	60-140	1.75	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139125
Date Analyzed:	5/19/17 - 5/20/17	**Extraction Method:**	SW3550B
Instrument:	GC22, GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139125 1705774-028AMS/MSD

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0405	0.00027	0.0010	0.050	-	81	70-130
a-BHC	ND	-	0.00010	0.0010	-	-	-	-
b-BHC	ND	-	0.00025	0.0010	-	-	-	-
d-BHC	ND	-	0.00037	0.0010	-	-	-	-
g-BHC	ND	0.0423	0.000097	0.0010	0.050	-	85	70-130
Chlordane (Technical)	ND	-	0.016	0.025	-	-	-	-
a-Chlordane	ND	-	0.00047	0.0010	-	-	-	-
g-Chlordane	ND	-	0.00021	0.0010	-	-	-	-
p,p-DDD	ND	-	0.00014	0.0010	-	-	-	-
p,p-DDE	ND	-	0.00032	0.0010	-	-	-	-
p,p-DDT	ND	0.0421	0.00043	0.0010	0.050	-	84	70-130
Dieldrin	ND	0.0435	0.00033	0.0010	0.050	-	87	70-130
Endosulfan I	ND	-	0.00065	0.0010	-	-	-	-
Endosulfan II	ND	-	0.00020	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.00063	0.0010	-	-	-	-
Endrin	ND	0.0388	0.00042	0.0010	0.050	-	78	70-130
Endrin aldehyde	ND	-	0.00020	0.0010	-	-	-	-
Endrin ketone	ND	-	0.00013	0.0010	-	-	-	-
Heptachlor	ND	0.0409	0.00021	0.0010	0.050	-	82	70-130
Heptachlor epoxide	ND	-	0.00020	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.00027	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.00040	0.020	-	-	-	-
Methoxychlor	ND	-	0.00089	0.0010	-	-	-	-
Toxaphene	ND	-	0.035	0.050	-	-	-	-
Surrogate Recovery								
Decachlorobiphenyl	0.05084	0.0504			0.050	102	101	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139125
Date Analyzed:	5/19/17 - 5/20/17	**Extraction Method:**	SW3550B
Instrument:	GC22, GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139125 1705774-028AMS/MSD

QC Summary Report for SW8081A

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	0.0458	0.0431	0.050	ND	91	86	70-130	5.94	20
g-BHC	0.0471	0.0442	0.050	ND	94	88	70-130	6.37	20
p,p-DDT	0.0524	0.0492	0.050	ND	105	98	70-130	6.31	20
Dieldrin	0.0474	0.0441	0.050	ND	95	88	70-130	7.03	20
Endrin	0.0499	0.0478	0.050	ND	100	96	70-130	4.29	20
Heptachlor	0.0467	0.0436	0.050	ND	93	87	70-130	6.75	20
Surrogate Recovery									
Decachlorobiphenyl	0.0503	0.0502	0.050		101	100	70-130	0.225	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139197
Date Analyzed:	5/22/17	**Extraction Method:**	SW3550B/3620B
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139197

QC Summary Report for SW8081A w/ Florisil Clean-up

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0394	0.00027	0.0010	0.050	-	79	70-130
a-BHC	ND	-	0.00010	0.0010	-	-	-	-
b-BHC	ND	-	0.00025	0.0010	-	-	-	-
d-BHC	ND	-	0.00037	0.0010	-	-	-	-
g-BHC	ND	0.0412	0.000097	0.0010	0.050	-	82	70-130
Chlordane (Technical)	ND	-	0.016	0.025	-	-	-	-
a-Chlordane	ND	-	0.00047	0.0010	-	-	-	-
g-Chlordane	ND	-	0.00021	0.0010	-	-	-	-
p,p-DDD	ND	-	0.00014	0.0010	-	-	-	-
p,p-DDE	ND	-	0.00032	0.0010	-	-	-	-
p,p-DDT	ND	0.0407	0.00043	0.0010	0.050	-	81	70-130
Dieldrin	ND	0.0412	0.00033	0.0010	0.050	-	82	70-130
Endosulfan I	ND	-	0.00065	0.0010	-	-	-	-
Endosulfan II	ND	-	0.00020	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.00063	0.0010	-	-	-	-
Endrin	ND	0.0386	0.00042	0.0010	0.050	-	77	70-130
Endrin aldehyde	ND	-	0.00020	0.0010	-	-	-	-
Endrin ketone	ND	-	0.00013	0.0010	-	-	-	-
Heptachlor	ND	0.0374	0.00021	0.0010	0.050	-	75	70-130
Heptachlor epoxide	ND	-	0.00020	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.00027	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.00040	0.020	-	-	-	-
Methoxychlor	ND	-	0.00089	0.0010	-	-	-	-
Toxaphene	ND	-	0.035	0.050	-	-	-	-
Surrogate Recovery								
Decachlorobiphenyl	0.04677	0.0487			0.050	94	97	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17 - 5/18/17	**BatchID:**	139317
Date Analyzed:	5/23/17 - 5/24/17	**Extraction Method:**	SW3550B/3620B/3640A
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS/LCSD-139317

QC Summary Report OC Pesticides w/ GPC & Florisil

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.00027	0.0010	-	-	-
a-BHC	ND	0.00010	0.0010	-	-	-
b-BHC	ND	0.00025	0.0010	-	-	-
d-BHC	ND	0.00037	0.0010	-	-	-
g-BHC	ND	0.000097	0.0010	-	-	-
Chlordane (Technical)	ND	0.016	0.025	-	-	-
a-Chlordane	ND	0.00047	0.0010	-	-	-
g-Chlordane	ND	0.00021	0.0010	-	-	-
p,p-DDD	ND	0.00014	0.0010	-	-	-
p,p-DDE	ND	0.00032	0.0010	-	-	-
p,p-DDT	ND	0.00043	0.0010	-	-	-
Dieldrin	ND	0.00033	0.0010	-	-	-
Endosulfan I	ND	0.00065	0.0010	-	-	-
Endosulfan II	ND	0.00020	0.0010	-	-	-
Endosulfan sulfate	ND	0.00063	0.0010	-	-	-
Endrin	ND	0.00042	0.0010	-	-	-
Endrin aldehyde	ND	0.00020	0.0010	-	-	-
Endrin ketone	ND	0.00013	0.0010	-	-	-
Heptachlor	ND	0.00021	0.0010	-	-	-
Heptachlor epoxide	ND	0.00020	0.0010	-	-	-
Hexachlorobenzene	ND	0.00027	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.00040	0.020	-	-	-
Methoxychlor	ND	0.00089	0.0010	-	-	-
Toxaphene	ND	0.035	0.050	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.04585			0.050	92	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17 - 5/18/17	**BatchID:**	139317
Date Analyzed:	5/23/17 - 5/24/17	**Extraction Method:**	SW3550B/3620B/3640A
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS/LCSD-139317

QC Summary Report OC Pesticides w/ GPC & Florisil

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.0406	0.0426	0.050	81	85	70-130	4.71	20
g-BHC	0.0431	0.0435	0.050	86	87	70-130	0.909	20
p,p-DDT	0.0452	0.0464	0.050	91	93	70-130	2.59	20
Dieldrin	0.0441	0.0449	0.050	88	90	70-130	1.77	20
Endrin	0.0438	0.0447	0.050	88	89	70-130	1.97	20
Heptachlor	0.0425	0.0434	0.050	85	87	70-130	2.18	20
Surrogate Recovery								
Decachlorobiphenyl	0.0510	0.0521	0.050	102	104	70-130	2.24	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139102
Date Analyzed:	5/19/17	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139102 1705765-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0475	0.0050	0.050	-	95	53-116
Benzene	ND	0.0541	0.0050	0.050	-	108	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.233	0.050	0.20	-	116	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0515	0.0050	0.050	-	103	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0503	0.0040	0.050	-	101	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0565	0.0040	0.050	-	113	58-135
1,1-Dichloroethene	ND	0.0528	0.0050	0.050	-	106	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139102
Date Analyzed:	5/19/17	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139102 1705765-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0601	0.0050	0.050	-	120	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0547	0.0050	0.050	-	109	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0506	0.0050	0.050	-	101	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0551	0.0050	0.050	-	110	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0599	0.0050	0.050	-	120	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139102
Date Analyzed:	5/19/17	**Extraction Method:**	SW5030B
Instrument:	GC10, GC18	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139102 1705765-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.129	0.133		0.12	103	106	70-130
Toluene-d8	0.1591	0.160		0.12	127	128	70-130
4-BFB	0.01357	0.0141		0.012	109	113	70-130
Benzene-d6	0.095	0.103		0.10	95	103	60-140
Ethylbenzene-d10	0.1152	0.125		0.10	115	125	60-140
1,2-DCB-d4	0.07996	0.0833		0.10	80	83	60-140

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.0475	0.0492	0.050	ND	95	98	53-116	3.47	20
Benzene	0.0534	0.0550	0.050	ND	107	110	63-137	3.06	20
t-Butyl alcohol (TBA)	0.175	0.183	0.20	ND	88	92	41-135	4.31	20
Chlorobenzene	0.0503	0.0514	0.050	ND	101	103	77-121	2.29	20
1,2-Dibromoethane (EDB)	0.0497	0.0506	0.050	ND	99	101	67-119	1.92	20
1,2-Dichloroethane (1,2-DCA)	0.0365	0.0377	0.050	ND	73	75	58-135	3.29	20
1,1-Dichloroethene	0.0478	0.0501	0.050	ND	96	100	42-145	4.71	20
Diisopropyl ether (DIPE)	0.0437	0.0447	0.050	ND	87	89	52-129	2.31	20
Ethyl tert-butyl ether (ETBE)	0.0423	0.0435	0.050	ND	85	87	53-125	2.80	20
Methyl-t-butyl ether (MTBE)	0.0454	0.0474	0.050	ND	91	95	58-122	4.36	20
Toluene	0.0544	0.0559	0.050	ND	109	112	76-130	2.73	20
Trichloroethene	0.0468	0.0485	0.050	ND	94	97	72-132	3.58	20
Surrogate Recovery									
Dibromofluoromethane	0.132	0.133	0.12		106	106	70-130	0	20
Toluene-d8	0.158	0.159	0.12		126	127	70-130	0.714	20
4-BFB	0.0149	0.0147	0.012		119	117	70-130	1.72	20
Benzene-d6	0.105	0.108	0.10		105	108	60-140	3.14	20
Ethylbenzene-d10	0.102	0.104	0.10		102	104	60-140	1.83	20
1,2-DCB-d4	0.0814	0.0828	0.10		81	83	60-140	1.75	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139097
Date Analyzed:	5/19/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139097 1704690-014AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	48.8	0.50	50	-	98	75-125
Arsenic	ND	48.5	0.50	50	-	97	75-125
Barium	ND	488	5.0	500	-	98	75-125
Beryllium	ND	49.5	0.50	50	-	99	75-125
Cadmium	ND	47.6	0.25	50	-	95	75-125
Chromium	ND	47.7	0.50	50	-	95	75-125
Cobalt	ND	45.6	0.50	50	-	91	75-125
Copper	ND	48.8	0.50	50	-	98	75-125
Lead	ND	46.6	0.50	50	-	93	75-125
Mercury	ND	1.17	0.050	1.25	-	94	75-125
Molybdenum	ND	48.5	0.50	50	-	97	75-125
Nickel	ND	48.6	0.50	50	-	97	75-125
Selenium	ND	46.6	0.50	50	-	93	75-125
Silver	ND	48.2	0.50	50	-	96	75-125
Thallium	ND	45.7	0.50	50	-	91	75-125
Vanadium	ND	47.7	0.50	50	-	95	75-125
Zinc	ND	482	5.0	500	-	96	75-125
Surrogate Recovery							
Terbium	526.4	504		500	105	101	70-130

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139097
Date Analyzed:	5/19/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139097 1704690-014AMS/MSD

QC Summary Report for Metals

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	51.1	48.0	50	1.4	99	93	75-125	6.22	20
Arsenic	52.3	48.8	50	4.3	96	89	75-125	6.82	20
Barium	650	636	500	120	106	104	75-125	2.07	20
Beryllium	49.2	46.6	50	ND	98	93	75-125	5.40	20
Cadmium	48.5	46.0	50	0.75	96	90	75-125	5.37	20
Chromium	71.6	70.6	50	26	91	89	75-125	1.41	20
Cobalt	54.4	50.7	50	12	84	76	75-125	7.10	20
Copper	110	109	50	63	95	93	75-125	1.10	20
Lead	165	127	50	119.0	92	15,F10	75-125	26.2,F10	20
Mercury	1.36	1.35	1.25	0.19	93	92	75-125	0.591	20
Molybdenum	50.7	48.4	50	2.0	97	93	75-125	4.62	20
Nickel	78.1	71.4	50	31	94	80	75-125	8.95	20
Selenium	46.1	44.5	50	ND	92	88	75-125	3.62	20
Silver	49.0	46.4	50	ND	98	93	75-125	5.43	20
Thallium	47.4	44.6	50	ND	95	89	75-125	6.13	20
Vanadium	109	101	50	59	99	84	75-125	7.33	20
Zinc	610	559	500	110	99	89	75-125	8.71	20
Surrogate Recovery									
Terbium	526	494	500		105	99	70-130	6.18	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	1.4	-	-
Arsenic	4.43	4.3	3.02	-
Barium	112	120	6.67	-
Beryllium	ND<2.5	ND	-	-
Cadmium	ND<1.2	0.75	-	-
Chromium	25.4	26	2.31	20
Cobalt	12.7	12	5.83	20
Copper	59.4	63	5.71	20
Lead	110	119.0	7.56	20
Mercury	0.262	0.19	37.9	-
Molybdenum	ND<2.5	2.0	-	-
Nickel	29.6	31	4.52	20
Selenium	ND<2.5	ND	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139097
Date Analyzed:	5/19/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139097 1704690-014AMS/MSD

QC Summary Report for Metals

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Silver	ND<2.5	ND	-	-
Thallium	ND<2.5	ND	-	-
Vanadium	57.0	59	3.39	20
Zinc	111	110	0.909	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139126
Date Analyzed:	5/18/17 - 5/19/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139126 1705774-027AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	51.2	0.50	50	-	102	75-125
Arsenic	ND	49.0	0.50	50	-	98	75-125
Barium	ND	513	5.0	500	-	103	75-125
Beryllium	ND	51.7	0.50	50	-	103	75-125
Cadmium	ND	49.0	0.25	50	-	98	75-125
Chromium	ND	48.6	0.50	50	-	97	75-125
Cobalt	ND	47.8	0.50	50	-	96	75-125
Copper	ND	49.5	0.50	50	-	99	75-125
Lead	ND	49.3	0.50	50	-	99	75-125
Mercury	ND	1.24	0.050	1.25	-	99	75-125
Molybdenum	ND	50.6	0.50	50	-	101	75-125
Nickel	ND	49.4	0.50	50	-	99	75-125
Selenium	ND	49.1	0.50	50	-	98	75-125
Silver	ND	50.0	0.50	50	-	100	75-125
Thallium	ND	47.8	0.50	50	-	96	75-125
Vanadium	ND	48.6	0.50	50	-	97	75-125
Zinc	ND	495	5.0	500	-	99	75-125
Surrogate Recovery							
Terbium	487.5	531		500	98	106	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139126
Date Analyzed:	5/18/17 - 5/19/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139126 1705774-027AMS/MSD

QC Summary Report for Metals

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	50.2	49.2	50	ND	100	98	75-125	1.95	20
Arsenic	52.9	52.6	50	3.596	99	98	75-125	0.663	20
Barium	651	644	500	131.7	104	102	75-125	1.19	20
Beryllium	48.5	47.4	50	0.6327	96	94	75-125	2.17	20
Cadmium	48.3	48.0	50	ND	96	96	75-125	0	20
Chromium	89.6	89.1	50	35.91	107	106	75-125	0.504	20
Cobalt	50.1	50.2	50	5.276	90	90	75-125	0	20
Copper	67.5	68.5	50	16.34	102	104	75-125	1.47	20
Lead	55.0	54.8	50	6.549	97	96	75-125	0.364	20
Mercury	1.28	1.29	1.25	ND	99	100	75-125	0.624	20
Molybdenum	50.2	49.7	50	ND	100	98	75-125	1.06	20
Nickel	94.9	97.0	50	38.81	112	116	75-125	2.22	20
Selenium	47.2	47.4	50	ND	94	94	75-125	0	20
Silver	49.0	48.3	50	ND	98	96	75-125	1.56	20
Thallium	45.4	45.0	50	ND	91	90	75-125	0.840	20
Vanadium	87.0	89.2	50	33.06	108	112	75-125	2.50	20
Zinc	531	537	500	43.03	98	99	75-125	1.14	20
Surrogate Recovery									
Terbium	523	514	500		105	103	70-130	1.68	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	ND	-	-
Arsenic	3.32	3.596	7.68	-
Barium	140	131.7	6.30	20
Beryllium	ND<2.5	0.6327	-	-
Cadmium	ND<1.2	ND	-	-
Chromium	39.2	35.91	9.16	20
Cobalt	5.96	5.276	13.0	-
Copper	17.9	16.34	9.55	20
Lead	7.23	6.549	10.4	-
Mercury	ND<0.25	ND	-	-
Molybdenum	ND<2.5	ND	-	-
Nickel	42.8	38.81	10.3	20
Selenium	ND<2.5	ND	-	-

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139126
Date Analyzed:	5/18/17 - 5/19/17	**Extraction Method:**	SW3050B
Instrument:	ICP-MS1, ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139126 1705774-027AMS/MSD

QC Summary Report for Metals

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Silver	ND<2.5	ND	-	-
Thallium	ND<2.5	ND	-	-
Vanadium	36.1	33.06	9.20	20
Zinc	56.0	43.03	30.1	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/17/17	**BatchID:**	139108
Date Analyzed:	5/18/17	**Extraction Method:**	SW3550B
Instrument:	GC9a	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139108 1705420-004AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	37.1	1.0	40	-	93	79-133
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C26	23.89	23.8		25	96	95	81-103

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	41.5	40.1	40	1.372	100	97	59-150	3.46	30
Surrogate Recovery									
C26	24.6	24.5	25		99	98	70-130	0.405	30

NELAP 4033ORELAP

QA/QC Officer

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705774 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ▣ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party: nbricker@aeiconsultants.com;
PO: 365735
ProjectNo: 365735; Race St.

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: 5 days;

Date Received: 05/16/2017
Date Logged: 05/17/2017

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705774-001	SG-6-2	Soil	5/15/2017 08:21	☐		A										
1705774-003	SG-7-2	Soil	5/15/2017 08:36	☐		A	A			A	A					
1705774-004	SG-7-4	Soil	5/15/2017 08:38	☐						A						
1705774-005	SG-7-6	Soil	5/15/2017 08:43	☐	A					A						
1705774-007	SG-7-10	Soil	5/15/2017 08:57	☐	A					A						
1705774-008	SG-8-2	Soil	5/15/2017 09:07	☐		A	A			A	A					
1705774-009	SG-8-4	Soil	5/15/2017 09:09	☐						A						
1705774-010	SG-8-6	Soil	5/15/2017 09:15	☐	A					A						
1705774-012	SG-8-10	Soil	5/15/2017 09:19	☐	A					A						
1705774-013	SB-11-2	Soil	5/15/2017 09:39	☐		A	A	A	A	A	A					
1705774-014	SB-11-4	Soil	5/15/2017 09:43	☐						A						
1705774-015	SB-11-6	Soil	5/15/2017 09:48	☐						A						
1705774-017	SB-11-10	Soil	5/15/2017 09:52	☐						A						
1705774-018	SB-12-2	Soil	5/15/2017 10:10	☐		A	A		A	A	A					
1705774-019	SB-12-4	Soil	5/15/2017 10:12	☐						A	A					

Test Legend:

1	8010_S	2	8081_ESL_S [J]	3	8081_FLORISIL_S	4	8081_GPCFLSL_S
5	8260B_S	6	CAM17MS_TTLC_S	7	TPH(DMO)_S	8	
9		10		11		12	

Prepared by: Alexandra Iniguez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705774 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party: nbricker@aeiconsultants.com;
PO: 365735
ProjectNo: 365735; Race St.

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: 5 days;

Date Received: 05/16/2017
Date Logged: 05/17/2017

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1705774-020	SB-12-6	Soil	5/15/2017 10:17	☐						A	A					
1705774-021	SB-12-8	Soil	5/15/2017 10:19	☐							A					
1705774-022	SB-12-10	Soil	5/15/2017 10:21	☐						A	A					
1705774-023	SB-13-2	Soil	5/15/2017 10:47	☐		A			A	A	A					
1705774-024	SB-13-4	Soil	5/15/2017 10:49	☐						A						
1705774-025	SB-13-6	Soil	5/15/2017 10:54	☐						A						
1705774-027	SB-13-10	Soil	5/15/2017 10:58	☐						A						
1705774-028	SB-14-2	Soil	5/15/2017 11:12	☐		A			A	A	A					
1705774-029	SB-14-4	Soil	5/15/2017 11:14	☐						A						
1705774-030	SB-14-6	Soil	5/15/2017 11:19	☐						A						
1705774-032	SG-14-10	Soil	5/15/2017 11:23	☐						A						

Test Legend:

1	8010_S	2	8081_ESL_S [J]	3	8081_FLORISIL_S	4	8081_GPCFLSL_S
5	8260B_S	6	CAM17MS_TTLC_S	7	TPH(DMO)_S	8	
9		10		11		12	

Prepared by: Alexandra Iniguez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS **Project:** 365735; Race St. **Work Order:** 1705774
Client Contact: Jeremy Smith **QC Level:** LEVEL 2
Contact's Email: jasmith@aeiconsultants.com **Comments:** **Date Logged:** 5/17/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705774-001A	SG-6-2	Soil	SW8081A (OC Pesticides)	1	Acetate Liner	☐	5/15/2017 8:21	5 days		☐	
1705774-002A	SG-6-4	Soil		1	Acetate Liner	☐	5/15/2017 8:24			☑	
1705774-003A	SG-7-2	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 8:36	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8081A (OC Pesticides w/ Florisil Clean-up)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	
1705774-004A	SG-7-4	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 8:38	5 days		☐	
1705774-005A	SG-7-6	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 8:43	5 days		☐	
			SW8260B (HVOCs List)			☐		5 days		☐	
1705774-006A	SG-7-8	Soil		1	Acetate Liner	☐	5/15/2017 8:55			☑	
1705774-007A	SG-7-10	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 8:57	5 days		☐	
			SW8260B (HVOCs List)			☐		5 days		☐	
1705774-008A	SG-8-2	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 9:07	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8081A (OC Pesticides w/ Florisil Clean-up)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS **Project:** 365735; Race St. **Work Order:** 1705774
Client Contact: Jeremy Smith **QC Level:** LEVEL 2
Contact's Email: jasmith@aeiconsultants.com **Comments:** **Date Logged:** 5/17/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705774-009A	SG-8-4	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 9:09	5 days		☐	
1705774-010A	SG-8-6	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 9:15	5 days		☐	
			SW8260B (HVOCs List)			☐		5 days		☐	
1705774-011A	SG-8-8	Soil		1	Acetate Liner	☐	5/15/2017 9:17			☑	
1705774-012A	SG-8-10	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 9:19	5 days		☐	
			SW8260B (HVOCs List)			☐		5 days		☐	
1705774-013A	SB-11-2	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 9:39	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
			SW8081A (OC Pesticides w/ GPC & Florisil)			☐		5 days		☐	
			SW8081A (OC Pesticides w/ Florisil Clean-up)			☐		5 days		☑	
			SW8081A (OC Pesticides)			☐		5 days		☑	
1705774-014A	SB-11-4	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 9:43	5 days		☐	
1705774-015A	SB-11-6	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 9:48	5 days		☐	
1705774-016A	SB-11-8	Soil		1	Acetate Liner	☐	5/15/2017 9:50			☑	
1705774-017A	SB-11-10	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 9:52	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS **Project:** 365735; Race St. **Work Order:** 1705774
Client Contact: Jeremy Smith **QC Level:** LEVEL 2
Contact's Email: jasmith@aeiconsultants.com **Comments:** **Date Logged:** 5/17/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705774-018A	SB-12-2	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 10:10	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
			SW8081A (OC Pesticides w/ Florisil Clean-up)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☑	
1705774-019A	SB-12-4	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 10:12	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
1705774-020A	SB-12-6	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 10:17	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
1705774-021A	SB-12-8	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 10:19	5 days		☐	
1705774-022A	SB-12-10	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 10:21	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
1705774-023A	SB-13-2	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 10:47	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Project: 365735; Race St.
Comments:

Work Order: 1705774
QC Level: LEVEL 2
Date Logged: 5/17/2017

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705774-024A	SB-13-4	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 10:49	5 days		☐	
1705774-025A	SB-13-6	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 10:54	5 days		☐	
1705774-026A	SB-13-8	Soil		1	Acetate Liner	☐	5/15/2017 10:56			☑	
1705774-027A	SB-13-10	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 10:58	5 days		☐	
1705774-028A	SB-14-2	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	5/15/2017 11:12	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1705774-029A	SB-14-4	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 11:14	5 days		☐	
1705774-030A	SB-14-6	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 11:19	5 days		☐	
1705774-031A	SG-14-8	Soil		1	Acetate Liner	☐	5/15/2017 11:21			☑	
1705774-032A	SG-14-10	Soil	SW6020 (CAM 17)	1	Acetate Liner	☐	5/15/2017 11:23	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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General COC

MAI Work Order # 1705774

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: AEI Consultants Bill To: AEI
Company: AEI
Email: Nbricker@aeiconsultants.com
Alt Email: JSmith@aeiconsultants.com Tele: 707-484-6223
Project Name: Race 56 Project #: 365735
Project Location: San Jose CA PO #
Sampler Signature: Nate Brick

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 (8081) (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	HOLD	Cr6+ 8010 Ni 8260
SG-6-2	5/15/17	0821	1	Soil	Ice							X					X				X	
SG-6-4		0824															X					
SG-7-2		0836					X					X					X					
SG-7-4		0838															X					
SG-7-6		0843															X					X
SG-7-8		0855																				
SG-7-10		0857															X					X
SG-8-2		0907					X					X					X					
SG-8-4		0909															X					
SG-8-10	↓	0915	↓	↓	↓												X				↓	X

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* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Nate Brick	5/16/17	0945	[signature]	5/16/17	0945

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

Page 1 of 4

General COC

MAI Work Order # 1705774

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: See page 1 Bill To:
Company:
Email:
Alt Email: Tele:
Project Name: Project #: 360735
Project Location: PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
SG-8-8	5/15/17	0917	1	Soil	Ice
SG-8-10		0919			
SB-11-2		0939			
SB-11-4		0943			
SB-11-6		0948			
SB-11-8		0950			
SB-11-10		0952			
SB-12-2		1010			
SB-12-4		1012			
SB-12-6		1017			

Analysis Requested

	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	HOLD	8010 List 8260 CVOCs
SG-8-8																X	
SG-8-10												X					X
SB-11-2		X					X		X			X					
SB-11-4												X					
SB-11-6												X					
SB-11-8																	
SB-11-10												X					
SB-12-2		X					X		X			X					
SB-12-4		X										X					
SB-12-6		X										X					

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Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	0945		5/16/17	0945

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp ____ °C Initials ____

General COC

MAI Work Order # 1705774

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: See Pg 1 | Bill To:
Company:
Email:
Alt Email: | Tele:
Project Name: | Project #: 365735
Project Location: | PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
SB-12-8	5/15/17	1019	1	Soil	Ice
SB-12-10		1021	1		
SB-13-2		1047			
SB-13-4		1049			
SB-13-6		1054			
SB-13-8		1056			
SB-13-10		1058			
SB-14-2		1112			
SB-14-4		1114			
SB-14-6	↓	1119	↓	↓	↓

Analysis Requested

	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 (8081) Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	HOLD
SB-12-8		X														X
SB-12-10		X										X				
SB-13-2		X					X		X			X				
SB-13-4												X				
SB-13-6												X				
SB-13-8																
SB-13-10												X				
SB-14-2		X					X		X			X				
SB-14-4												X				
SB-14-6												X				↓

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Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	0945		5/16/17	0945

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

General COC

MAI Work Order # 1705574

McCAMPBELL ANALYTICAL, INC.

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: See page 1 Bill To:
Company:
Email:
Alt Email: Tele:
Project Name: Project #: 360735
Project Location: PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
SG-14-8	5/15/17	1121	1	Soil	ICE
SG-14-10	↓	1123	↓	↓	↓

Analysis Requested

BTEX & TPH as Gas (8021/8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664/9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664/9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/608/8081 (Cl Pesticides)	EPA 608/8082 PCB's; Aroclors only	EPA 524.2/624/8260 (VOCs)	EPA 525.2/625/8270 (SVOCs)	EPA 8270 SIM/8310 (PAHs/PNAs)	CAM 17 Metals (200.8/6020)*	Metals (200.8/6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	HOLD
															X
											X				↓

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Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	0945		5/16/17	0945

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

Page 4 of 4

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Sample Receipt Checklist

Client Name:	**AEI Consultants**	Date and Time Received	**5/16/2017 09:45**
Project Name:	**365735; Race St.**	Date Logged:	**5/17/2017**
		Received by:	Maria Venegas
WorkOrder №:	**1705774** Matrix: Soil	Logged by:	Alexandra Iniguez
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☑	No	☐	NA ☐
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Sample/Temp Blank temperature	Temp: 4.2°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
Samples Received on Ice?	Yes	☑	No	☐	
	(Ice Type: WET ICE)				

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes	☐	No	☐	NA ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1705774 A

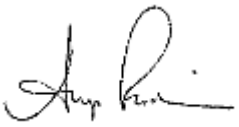
Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: 365735
Project Name: 365735; Race St.

Project Received: 05/16/2017

Analytical Report reviewed & approved for release on 06/01/2017 by:



Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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CA ELAP 1644 ♦ NELAP 4033ORELAP

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 365735; Race St.
WorkOrder: 1705774

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 365735; Race St.
WorkOrder: 1705774

Analytical Qualifiers

J	result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
H	samples were analyzed out of holding time
P	agreement between quantitative confirmation results exceed method recommended limits
a3	sample diluted due to high organic content.
e2	diesel range compounds are significant; no recognizable pattern
e7	oil range compounds are significant

Quality Control Qualifiers

F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	CA Title 22
Date Prepared:	5/28/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-4	1705774-004A	Soil	05/15/2017 08:38	ICP-MS1	139621

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	05/30/2017 19:49

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-4	1705774-009A	Soil	05/15/2017 09:09	ICP-MS1	139621

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.18**	0.10	1	05/30/2017 20:01

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-10	1705774-017A	Soil	05/15/2017 09:52	ICP-MS2	139622

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.12**	0.10	1	05/31/2017 16:18

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-4	1705774-019A	Soil	05/15/2017 10:12	ICP-MS2	139622

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.11**	0.10	1	05/31/2017 16:30

Analyst(s): DB

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	CA Title 22
Date Prepared:	5/28/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-2	1705774-023A	Soil	05/15/2017 10:47	ICP-MS2	139621

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.15**	0.10	1	05/31/2017 16:36

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13-4	1705774-024A	Soil	05/15/2017 10:49	ICP-MS2	139621

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.11**	0.10	1	05/31/2017 16:43

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-4	1705774-029A	Soil	05/15/2017 11:14	ICP-MS2	139622

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.14**	0.10	1	05/31/2017 16:55

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-14-10	1705774-032A	Soil	05/15/2017 11:23	ICP-MS1	139621

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	05/30/2017 20:51

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW1311/SW3010
Date Prepared:	5/29/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-10	1705774-017A	Soil	05/15/2017 09:52	ICP-MS3	139624

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	05/31/2017 20:42

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-2	1705774-018A	Soil	05/15/2017 10:10	ICP-MS3	139624

Analytes	Result	RL	DF	Date Analyzed
Chromium	ND	0.10	1	05/31/2017 20:48

Analyst(s): DB

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	CA Title 22
Date Prepared:	5/28/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12-2	**1705774-018A**	**Soil**	**05/15/2017 10:10**	**ICP-MS2**	**139621**

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.37**	0.10	1	05/31/2017 16:24
Nickel	**1.4**	0.10	1	05/31/2017 16:24

Analyst(s): DB

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	CA Title 22
Date Prepared:	5/28/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-2	1705774-003A	Soil	05/15/2017 08:36	ICP-MS1	139621

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.18**	0.10	1	05/30/2017 19:43
Lead	**13**	0.10	1	05/30/2017 19:43

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-2	1705774-008A	Soil	05/15/2017 09:07	ICP-MS1	139621

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.22**	0.10	1	05/30/2017 19:55
Lead	**2.6**	0.10	1	05/30/2017 19:55

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14-2	1705774-028A	Soil	05/15/2017 11:12	ICP-MS2	139621

Analytes	Result	RL	DF	Date Analyzed
Chromium	**0.22**	0.10	1	05/31/2017 16:49
Lead	**1.2**	0.10	1	05/31/2017 16:49

Analyst(s): DB

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	CA Title 22
Date Prepared:	5/28/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/L

Metals (STLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-2	**1705774-013A**	**Soil**	**05/15/2017 09:39**	**ICP-MS1**	**139621**

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.9**	0.10	1	05/30/2017 20:08

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11-4	**1705774-014A**	**Soil**	**05/15/2017 09:43**	**ICP-MS1**	**139621**

Analytes	Result	RL	DF	Date Analyzed
Lead	**3.6**	0.10	1	05/30/2017 20:44

Analyst(s): JC

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Received:	5/16/17 9:45	**Extraction Method:**	SW1311/SW3010
Date Prepared:	5/29/17	**Analytical Method:**	SW6020
Project:	365735; Race St.	**Unit:**	mg/L

Metals (TCLP)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-7-2	1705774-003A	Soil	05/15/2017 08:36	ICP-MS3	139624

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	05/31/2017 20:29

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-8-2	1705774-008A	Soil	05/15/2017 09:07	ICP-MS3	139624

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	05/31/2017 20:36

Analyst(s): DB

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/28/17	**BatchID:**	139621
Date Analyzed:	5/30/17	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS1	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139621 1705946-001AMS/MSD

QC Summary Report for Metals (STLC)

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Chromium	ND	10.1	0.10	10	-	101	75-125
Lead	ND	10.0	0.10	10	-	100	75-125
Nickel	ND	10.2	0.10	10	-	102	75-125

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chromium	10.2	10.5	10	0.25	99	102	75-125	2.86	20
Lead	9.94	10.2	10	ND	99	102	75-125	2.50	20
Nickel	12.8	13.5	10	3.2	97	104	75-125	5.14	20

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/28/17	**BatchID:**	139622
Date Analyzed:	5/30/17	**Extraction Method:**	CA Title 22
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139622 1705B66-001AMS/MSD

QC Summary Report for Metals (STLC)

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Chromium	ND	9.69	0.10	10	-	97	75-125
Nickel	ND	9.77	0.10	10	-	98	75-125

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chromium	9.62	9.49	10	ND	96	95	75-125	1.32	20
Nickel	10.2	9.92	10	0.53	96	94	75-125	2.29	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1705774
Date Prepared:	5/29/17	**BatchID:**	139624
Date Analyzed:	5/31/17	**Extraction Method:**	SW1311/SW3010
Instrument:	ICP-MS3	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/L
Project:	365735; Race St.	**Sample ID:**	MB/LCS-139624 1705743-001AMS/MSD

QC Summary Report for Metals (TCLP)

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Chromium	ND	10.4	0.10	10	-	104	75-125
Lead	ND	10.3	0.10	10	-	103	75-125

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Chromium	10.5	10.4	10	0.3274	101	101	75-125	0	20
Lead	10.0	9.99	10	ND	100	100	75-125	0	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1705774 A **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 321-3561 FAX: (925) 283-6121

Email: jasmith@aeiconsultants.com
cc/3rd Party: nbricker@aeiconsultants.com;
PO: 365735
ProjectNo: 365735; Race St.

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: 5 days;

Date Received: **05/16/2017**
Date Logged: **05/17/2017**
Date Add-On: **05/26/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1705774-003	SG-7-2	Soil	5/15/2017 08:36	☐				A		A						
1705774-004	SG-7-4	Soil	5/15/2017 08:38	☐	A											
1705774-008	SG-8-2	Soil	5/15/2017 09:07	☐				A		A						
1705774-009	SG-8-4	Soil	5/15/2017 09:09	☐	A											
1705774-013	SB-11-2	Soil	5/15/2017 09:39	☐					A							
1705774-014	SB-11-4	Soil	5/15/2017 09:43	☐					A							
1705774-017	SB-11-10	Soil	5/15/2017 09:52	☐	A	A										
1705774-018	SB-12-2	Soil	5/15/2017 10:10	☐		A	A									
1705774-019	SB-12-4	Soil	5/15/2017 10:12	☐	A											
1705774-023	SB-13-2	Soil	5/15/2017 10:47	☐	A											
1705774-024	SB-13-4	Soil	5/15/2017 10:49	☐	A											
1705774-028	SB-14-2	Soil	5/15/2017 11:12	☐				A								
1705774-029	SB-14-4	Soil	5/15/2017 11:14	☐	A											
1705774-032	SG-14-10	Soil	5/15/2017 11:23	☐	A											

Test Legend:

1	CRMS_STLC_S	2	CRMS_TCLP_S	3	METALSMS_STLC_S	4	PBCRMS_STLC_S
5	PBMS_STLC_S	6	PBMS_TCLP_S	7		8	
9		10		11		12	

Prepared by: Alexandra Iniguez

Add-On Prepared By: Maria Venegas

Comments: STLC's & TCLP's added 5/26/17 STAT.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: Jeremy Smith
Contact's Email jasmith@aeiconsultants.com

Project: 365735; Race St.
Comments: STLC's & TCLP's added 5/26/17 STAT.

Work Order: 1705774
QC Level: LEVEL 2
Date Logged: 5/17/2017
Date Add-On: 5/26/2017

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705774-003A	SG-7-2	Soil	SW6020 (Lead) (TCLP)	1	Acetate Liner	5/15/2017 8:36	5 days*		☐	
			SW6020 (Chromium & Lead) (STLC)				5 days*		☐	
1705774-004A	SG-7-4	Soil	SW6020 (Chromium) (STLC)	1	Acetate Liner	5/15/2017 8:38	5 days*		☐	
1705774-008A	SG-8-2	Soil	SW6020 (Lead) (TCLP)	1	Acetate Liner	5/15/2017 9:07	5 days*		☐	
			SW6020 (Chromium & Lead) (STLC)				5 days*		☐	
1705774-009A	SG-8-4	Soil	SW6020 (Chromium) (STLC)	1	Acetate Liner	5/15/2017 9:09	5 days*		☐	
1705774-013A	SB-11-2	Soil	SW6020 (Lead) (STLC)	1	Acetate Liner	5/15/2017 9:39	5 days*		☐	
1705774-014A	SB-11-4	Soil	SW6020 (Lead) (STLC)	1	Acetate Liner	5/15/2017 9:43	5 days*		☐	
1705774-017A	SB-11-10	Soil	SW6020 (Chromium) (TCLP)	1	Acetate Liner	5/15/2017 9:52	5 days*		☐	
			SW6020 (Chromium) (STLC)				5 days*		☐	
1705774-018A	SB-12-2	Soil	SW6020 (Metals) (STLC) <Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	Acetate Liner	5/15/2017 10:10	5 days*		☐	
			SW6020 (Chromium) (TCLP)				5 days*		☐	
1705774-019A	SB-12-4	Soil	SW6020 (Chromium) (STLC)	1	Acetate Liner	5/15/2017 10:12	5 days*		☐	
1705774-023A	SB-13-2	Soil	SW6020 (Chromium) (STLC)	1	Acetate Liner	5/15/2017 10:47	5 days*		☐	
1705774-024A	SB-13-4	Soil	SW6020 (Chromium) (STLC)	1	Acetate Liner	5/15/2017 10:49	5 days*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: Jeremy Smith
Contact's Email jasmith@aeiconsultants.com

Project: 365735; Race St.
Comments: STLC's & TCLP's added 5/26/17 STAT.

Work Order: 1705774
QC Level: LEVEL 2
Date Logged: 5/17/2017
Date Add-On: 5/26/2017

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1705774-028A	SB-14-2	Soil	SW6020 (Chromium & Lead) (STLC)	1	Acetate Liner	5/15/2017 11:12	5 days*		☐	
1705774-029A	SB-14-4	Soil	SW6020 (Chromium) (STLC)	1	Acetate Liner	5/15/2017 11:14	5 days*		☐	
1705774-032A	SG-14-10	Soil	SW6020 (Chromium) (STLC)	1	Acetate Liner	5/15/2017 11:23	5 days*		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1705774

McCAMPBELL ANALYTICAL, INC.

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush [ ] 2 Day Rush [ ] 3 Day Rush [ ] STD [X] Quote # [ ]
J-Flag / MDL [ ] ESL [X] Cleanup Approved [ ] Bottle Order # [ ]
Delivery Format: PDF [ ] GeoTracker EDF [ ] EDD [ ] Write On (DW) [ ] EQuIS [ ]

Report To: AEI Consultants Bill To: AEI
Company: AEI
Email: NBricker@aeiconsultants.com
Alt Email: JSmith@aeiconsultants.com Tele: 707-484-6223
Project Name: Race 56 Project #: 365735
Project Location: San Jose CA PO # 132694
Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	HOLD	STLC Cr	STLC Pb	TCLP Pb
SG-6-2	5/15/17	0821	1	Soil	Ice							X									X			
SG-6-4		0824																						
SG-7-2		0836					X					X					X					X	X	X
SG-7-4		0838															X					X		
SG-7-6		0843															X							
SG-7-8		0855																						
SG-7-10		0857															X							
SG-8-2		0907					X					X					X					X	X	X
SG-8-4		0909															X					X		
SG-8-6		0915															X							

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions
added 5/26/17
STAT

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	0945		5/16/17	0945

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

Page 1 of 2

General COC

MAI Work Order # ______________________

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush		2 Day Rush	3 Day Rush	STD	Quote #
J-Flag / MDL	ESL	Cleanup Approved			Bottle Order #
Delivery Format: PDF	GeoTracker EDF	EDD	Write On (DW)	EQuIS	

Report To: See page 1	Bill To:
Company:	
Email:	
Alt Email:	Tele:
Project Name:	Project #: 365735
Project Location:	PO #
Sampler Signature: [signature]	

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	~~Baylands Requirements~~ STLC Ni	Lab to filter sample for dissolved metals analysis	HOLD	STLC Cr	STLC Pb	TCLP Cr
SG-8-8	5/15/17	0917	1	Soil	Ice																X			
SG-8-10	↓	0919	↓	↓	↓												X				↓			
SB-11-2	↓	0939	↓	↓	↓		X					X		X			X				↓		X	
SB-11-4	↓	0943	↓	↓	↓												X				↓		X	
SB-11-6	↓	0948	↓	↓	↓												X				↓			
SB-11-8	↓	0950	↓	↓	↓																↓			
SB-11-10	↓	0952	↓	↓	↓												X				↓	X		X
SB-12-2	↓	1010	↓	↓	↓		X					X		X			X		X		↓	X		X
SB-12-4	↓	1012	↓	↓	↓		X										X				↓	X		
SB-12-6	↓	1017	↓	↓	↓		X										X				↓			

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
[signature]	5/16/17	0945	[signature]	5/16/17	0945

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp ________ °C Initials ________

Page 2 of 4

MAI Work Order # _____

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McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: See Pg 1 Bill To:
Company:
Email:
Alt Email: Tele:
Project Name: Project #: 365735
Project Location: PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
SB-12-8	5/15/17	1019	1	SOIL	ICE
SB-12-10	"	1021	1	"	"
SB-13-2	"	1047	"	"	"
SB-13-4	"	1049	"	"	"
SB-13-6	"	1054	"	"	"
SB-13-8	"	1056	"	"	"
SB-13-10	"	1058	"	"	"
SB-14-2	"	1112	"	"	"
SB-14-4	"	1114	"	"	"
SB-14-6	"	1119	"	"	"

Analysis Requested

SAMPLE ID	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	HOLD	STLC Cr	STLC Pb
SB-12-8		X														X		
SB-12-10		X										X						
SB-13-2		X					X		X			X					X	
SB-13-4												X					X	
SB-13-6												X						
SB-13-8																		
SB-13-10												X						
SB-14-2		X					X		X			X					X	X
SB-14-4												X					X	
SB-14-6												X						

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Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	0945		5/16/17	0945

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

MAI Work Order # _____

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: See page 1 Bill To:
Company:
Email:
Alt Email: Tele:
Project Name: Project #: 3605735
Project Location: PO #
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	HOLD	STLC CV		
SG-17-8	5/15/17	1121	1	Soil	Ice																X			
SG-14-10	↓	1123	↓	↓	↓												X				↓	X		

Analysis Requested

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* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	5/16/17	0945		5/16/17	0945

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1707372

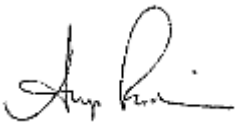
Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Jeremy Smith
Project P.O.: 136871
Project Name: 365735; Race Street

Project Received: 07/12/2017

Analytical Report reviewed & approved for release on 07/18/2017 by:



Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 365735; Race Street
WorkOrder: 1707372

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 365735; Race Street
WorkOrder: 1707372

Analytical Qualifiers

b1	Aqueous sample that contains greater than ~1 vol. % sediment
e2	Diesel range compounds are significant; no recognizable pattern

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW5030B
Date Prepared:	7/12/17	**Analytical Method:**	SW8021B/8015Bm
Project:	365735; Race Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-12	**1707372-006A**	**Soil**	**07/12/2017 09:13**	**GC19**	**141889**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/13/2017 00:34
MTBE	ND	0.050	1	07/13/2017 00:34
Benzene	ND	0.0050	1	07/13/2017 00:34
Toluene	ND	0.0050	1	07/13/2017 00:34
Ethylbenzene	ND	0.0050	1	07/13/2017 00:34
Xylenes	ND	0.015	1	07/13/2017 00:34

Surrogates	REC (%)	Limits	
2-Fluorotoluene	106	62-126	07/13/2017 00:34

Analyst(s): HD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-18	**1707372-008A**	**Soil**	**07/12/2017 09:24**	**GC19**	**141889**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/13/2017 01:05
MTBE	ND	0.050	1	07/13/2017 01:05
Benzene	ND	0.0050	1	07/13/2017 01:05
Toluene	ND	0.0050	1	07/13/2017 01:05
Ethylbenzene	ND	0.0050	1	07/13/2017 01:05
Xylenes	ND	0.015	1	07/13/2017 01:05

Surrogates	REC (%)	Limits	
2-Fluorotoluene	81	62-126	07/13/2017 01:05

Analyst(s): HD

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW5030B
Date Prepared:	7/12/17	**Analytical Method:**	SW8021B/8015Bm
Project:	365735; Race Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-12	**1707372-015A**	**Soil**	**07/12/2017 12:12**	**GC19**	**141889**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/13/2017 02:06
MTBE	ND	0.050	1	07/13/2017 02:06
Benzene	ND	0.0050	1	07/13/2017 02:06
Toluene	ND	0.0050	1	07/13/2017 02:06
Ethylbenzene	ND	0.0050	1	07/13/2017 02:06
Xylenes	ND	0.015	1	07/13/2017 02:06

Surrogates	REC (%)	Limits	
2-Fluorotoluene	90	62-126	07/13/2017 02:06

Analyst(s): HD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-16	**1707372-016A**	**Soil**	**07/12/2017 12:15**	**GC19**	**141889**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/13/2017 02:36
MTBE	ND	0.050	1	07/13/2017 02:36
Benzene	ND	0.0050	1	07/13/2017 02:36
Toluene	ND	0.0050	1	07/13/2017 02:36
Ethylbenzene	ND	0.0050	1	07/13/2017 02:36
Xylenes	ND	0.015	1	07/13/2017 02:36

Surrogates	REC (%)	Limits	
2-Fluorotoluene	87	62-126	07/13/2017 02:36

Analyst(s): HD

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW5030B
Date Prepared:	7/12/17	**Analytical Method:**	SW8021B/8015Bm
Project:	365735; Race Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-4	**1707372-018A**	**Soil**	**07/12/2017 10:11**	**GC19**	**141889**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/13/2017 03:06
MTBE	ND	0.050	1	07/13/2017 03:06
Benzene	ND	0.0050	1	07/13/2017 03:06
Toluene	ND	0.0050	1	07/13/2017 03:06
Ethylbenzene	ND	0.0050	1	07/13/2017 03:06
Xylenes	ND	0.015	1	07/13/2017 03:06

Surrogates	REC (%)	Limits	
2-Fluorotoluene	86	62-126	07/13/2017 03:06

Analyst(s): HD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-12	**1707372-020A**	**Soil**	**07/12/2017 10:21**	**GC19**	**141889**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/13/2017 04:38
MTBE	ND	0.050	1	07/13/2017 04:38
Benzene	ND	0.0050	1	07/13/2017 04:38
Toluene	ND	0.0050	1	07/13/2017 04:38
Ethylbenzene	ND	0.0050	1	07/13/2017 04:38
Xylenes	ND	0.015	1	07/13/2017 04:38

Surrogates	REC (%)	Limits	
2-Fluorotoluene	80	62-126	07/13/2017 04:38

Analyst(s): HD

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW5030B
Date Prepared:	7/12/17	**Analytical Method:**	SW8021B/8015Bm
Project:	365735; Race Street	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-12	**1707372-030A**	**Soil**	**07/12/2017 10:00**	**GC19**	**141889**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/13/2017 05:08
MTBE	ND	0.050	1	07/13/2017 05:08
Benzene	ND	0.0050	1	07/13/2017 05:08
Toluene	ND	0.0050	1	07/13/2017 05:08
Ethylbenzene	ND	0.0050	1	07/13/2017 05:08
Xylenes	ND	0.015	1	07/13/2017 05:08

Surrogates	REC (%)	Limits	
2-Fluorotoluene	82	62-126	07/13/2017 05:08

Analyst(s): HD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-16	**1707372-031A**	**Soil**	**07/12/2017 10:04**	**GC19**	**141889**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/13/2017 05:38
MTBE	ND	0.050	1	07/13/2017 05:38
Benzene	ND	0.0050	1	07/13/2017 05:38
Toluene	ND	0.0050	1	07/13/2017 05:38
Ethylbenzene	ND	0.0050	1	07/13/2017 05:38
Xylenes	ND	0.015	1	07/13/2017 05:38

Surrogates	REC (%)	Limits	
2-Fluorotoluene	91	62-126	07/13/2017 05:38

Analyst(s): HD

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW5030B
Date Prepared:	7/13/17	**Analytical Method:**	SW8021B/8015Bm
Project:	365735; Race Street	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-GW	**1707372-001B**	**Water**	**07/12/2017 11:08**	**GC3**	**141994**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	07/13/2017 13:56
MTBE	ND	5.0	1	07/13/2017 13:56
Benzene	ND	0.50	1	07/13/2017 13:56
Toluene	ND	0.50	1	07/13/2017 13:56
Ethylbenzene	ND	0.50	1	07/13/2017 13:56
Xylenes	ND	1.5	1	07/13/2017 13:56

Surrogates	REC (%)	Limits	
aaa-TFT	98	89-115	07/13/2017 13:56

Analyst(s): HD Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-GW	**1707372-002B**	**Water**	**07/12/2017 11:41**	**GC3**	**141994**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	07/13/2017 14:29
MTBE	ND	5.0	1	07/13/2017 14:29
Benzene	ND	0.50	1	07/13/2017 14:29
Toluene	ND	0.50	1	07/13/2017 14:29
Ethylbenzene	ND	0.50	1	07/13/2017 14:29
Xylenes	ND	1.5	1	07/13/2017 14:29

Surrogates	REC (%)	Limits	
aaa-TFT	98	89-115	07/13/2017 14:29

Analyst(s): HD Analytical Comments: b1

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW3550B
Date Prepared:	7/12/17	**Analytical Method:**	SW8015B
Project:	365735; Race Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-12	**1707372-006A**	**Soil**	**07/12/2017 09:13**	**GC9b**	**141863**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/13/2017 07:35
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/13/2017 07:35

Surrogates	REC (%)	Limits	
C9	94	78-109	07/13/2017 07:35

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-18	**1707372-008A**	**Soil**	**07/12/2017 09:24**	**GC9b**	**141863**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/13/2017 10:11
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/13/2017 10:11

Surrogates	REC (%)	Limits	
C9	93	78-109	07/13/2017 10:11

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-12	**1707372-015A**	**Soil**	**07/12/2017 12:12**	**GC9b**	**141863**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/13/2017 11:28
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/13/2017 11:28

Surrogates	REC (%)	Limits	
C9	93	78-109	07/13/2017 11:28

Analyst(s): TK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW3550B
Date Prepared:	7/12/17	**Analytical Method:**	SW8015B
Project:	365735; Race Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-16	1707372-016A	Soil	07/12/2017 12:15	GC9b	141863

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/13/2017 12:07
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/13/2017 12:07

Surrogates	REC (%)	Limits	
C9	93	78-109	07/13/2017 12:07

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-4	1707372-018A	Soil	07/12/2017 10:11	GC39A	141863

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/13/2017 10:05
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/13/2017 10:05

Surrogates	REC (%)	Limits	
C9	103	78-109	07/13/2017 10:05

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-12	1707372-020A	Soil	07/12/2017 10:21	GC39A	141863

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/13/2017 10:44
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/13/2017 10:44

Surrogates	REC (%)	Limits	
C9	101	78-109	07/13/2017 10:44

Analyst(s): TK

(Cont.)

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW3550B
Date Prepared:	7/12/17	**Analytical Method:**	SW8015B
Project:	365735; Race Street	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-12	**1707372-030A**	**Soil**	**07/12/2017 10:00**	**GC9b**	**141863**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/13/2017 08:53
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/13/2017 08:53

Surrogates	REC (%)	Limits	
C9	94	78-109	07/13/2017 08:53

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-16	**1707372-031A**	**Soil**	**07/12/2017 10:04**	**GC9b**	**141863**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/13/2017 10:49
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/13/2017 10:49

Surrogates	REC (%)	Limits	
C9	93	78-109	07/13/2017 10:49

Analyst(s): TK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Received:	7/12/17 15:35	**Extraction Method:**	SW3510C
Date Prepared:	7/12/17	**Analytical Method:**	SW8015B
Project:	365735; Race Street	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-GW	**1707372-001A**	**Water**	**07/12/2017 11:08**	**GC6B**	**141897**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	07/13/2017 06:20
TPH-Motor Oil (C18-C36)	ND	250	1	07/13/2017 06:20

Surrogates	REC (%)	Limits	
C9	106	66-138	07/13/2017 06:20

Analyst(s): TK Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-GW	**1707372-002A**	**Water**	**07/12/2017 11:41**	**GC39A**	**141897**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**60**	50	1	07/13/2017 18:57
TPH-Motor Oil (C18-C36)	ND	250	1	07/13/2017 18:57

Surrogates	REC (%)	Limits	
C9	109	66-138	07/13/2017 18:57

Analyst(s): TK Analytical Comments: e2,b1

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Prepared:	7/12/17	**BatchID:**	141889
Date Analyzed:	7/12/17 - 7/13/17	**Extraction Method:**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race Street	**Sample ID:**	MB/LCS-141889 1707363-002AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.589	0.40	0.60	-	98	82-118
MTBE	ND	0.0856	0.050	0.10	-	86	61-119
Benzene	ND	0.0992	0.0050	0.10	-	99	77-128
Toluene	ND	0.103	0.0050	0.10	-	103	74-132
Ethylbenzene	ND	0.103	0.0050	0.10	-	103	84-127
Xylenes	ND	0.305	0.015	0.30	-	102	86-129
Surrogate Recovery							
2-Fluorotoluene	0.09619	0.0966		0.10	96	97	75-134

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.536	0.526	0.60	ND	89	88	58-129	1.79	20
MTBE	0.0861	0.0840	0.10	ND	86	84	47-118	2.47	20
Benzene	0.104	0.101	0.10	ND	104	101	55-129	3.24	20
Toluene	0.108	0.105	0.10	ND	108	105	56-130	2.36	20
Ethylbenzene	0.107	0.105	0.10	ND	107	105	63-129	2.01	20
Xylenes	0.306	0.299	0.30	ND	102	100	64-131	2.45	20
Surrogate Recovery									
2-Fluorotoluene	0.0945	0.0907	0.10		95	91	62-126	4.10	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Prepared:	7/13/17	**BatchID:**	141994
Date Analyzed:	7/13/17	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	365735; Race Street	**Sample ID:**	MB/LCS-141994 1707372-002BMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	59.1	40	60	-	98	78-116
MTBE	ND	8.64	5.0	10	-	86	72-122
Benzene	ND	9.54	0.50	10	-	95	81-123
Toluene	ND	10.1	0.50	10	-	101	83-129
Ethylbenzene	ND	10.7	0.50	10	-	107	88-126
Xylenes	ND	33.3	1.5	30	-	111	87-131
Surrogate Recovery							
aaa-TFT	10.18	9.87		10	102	99	89-116

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	61.6	56.7	60	ND	103	95	63-133	8.17	20
MTBE	10.9	9.06	10	ND	105	87	69-122	18.8	20
Benzene	9.78	9.50	10	ND	98	95	84-125	2.97	20
Toluene	9.47	9.98	10	ND	95	100	87-131	5.25	20
Ethylbenzene	10.8	10.5	10	ND	108	105	92-126	2.37	20
Xylenes	31.9	32.4	30	ND	106	108	88-132	1.56	20
Surrogate Recovery									
aaa-TFT	9.78	10.2	10		98	102	90-117	4.02	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Prepared:	7/12/17	**BatchID:**	141863
Date Analyzed:	7/12/17 - 7/13/17	**Extraction Method:**	SW3550B
Instrument:	GC39A, GC9a	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735; Race Street	**Sample ID:**	MB/LCS-141863 1707349-002AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	39.6	1.0	40	-	99	79-133
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9		28.6		25		114	77-109

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	NR	NR		24	NR	NR	-	NR	-
Surrogate Recovery									
C9	NR	NR			NR	NR	-	NR	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1707372
Date Prepared:	7/12/17	**BatchID:**	141897
Date Analyzed:	7/13/17	**Extraction Method:**	SW3510C
Instrument:	GC39A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	365735; Race Street	**Sample ID:**	MB/LCS/LCSD-141897

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	250	-	-	-
Surrogate Recovery					
C9	629		625	101	79-111

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1170	1270	1000	117	127	88-134	8.50	30
Surrogate Recovery								
C9	590	625	625	94	100	79-111	5.85	30

NELAP 4033ORELAP

QA/QC Officer

McCampbell Analytical, Inc.
1534 Willow Pass Rd
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1707372 **ClientCode: AEL**

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Report to:
Jeremy Smith
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895

Email: jasmith@aeiconsultants.com
cc/3rd Party: nbricker@aeiconsultants.com;
PO: 136871
ProjectNo: 365735; Race Street

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: 5 days;

Date Received: **07/12/2017**
Date Logged: **07/12/2017**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1707372-001	SB-1-GW	Water	7/12/2017 11:08	☐		B		A								
1707372-002	SB-3-GW	Water	7/12/2017 11:41	☐		B		A								
1707372-006	SB-1-12	Soil	7/12/2017 09:13	☐	A		A									
1707372-008	SB-1-18	Soil	7/12/2017 09:24	☐	A		A									
1707372-015	SB-2-12	Soil	7/12/2017 12:12	☐	A		A									
1707372-016	SB-2-16	Soil	7/12/2017 12:15	☐	A		A									
1707372-018	SB-3-4	Soil	7/12/2017 10:11	☐	A		A									
1707372-020	SB-3-12	Soil	7/12/2017 10:21	☐	A		A									
1707372-030	SB-4-12	Soil	7/12/2017 10:00	☐	A		A									
1707372-031	SB-4-16	Soil	7/12/2017 10:04	☐	A		A									

Test Legend:

1	G-MBTEX_S	2	G-MBTEX_W	3	TPH(DMO)_S	4	TPH(DMO)_W
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Project: 365735; Race Street
Comments:

Work Order: 1707372
QC Level: LEVEL 2
Date Logged: 7/12/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1707372-001A	SB-1-GW	Water	SW8015B (Diesel & Motor Oil)	3	VOA w/ HCl	☐	7/12/2017 11:08	5 days	2%+	☐	
1707372-001B	SB-1-GW	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	7/12/2017 11:08	5 days	2%+	☐	
1707372-002A	SB-3-GW	Water	SW8015B (Diesel & Motor Oil)	3	VOA w/ HCl	☐	7/12/2017 11:41	5 days	1%+	☐	
1707372-002B	SB-3-GW	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	7/12/2017 11:41	5 days	1%+	☐	
1707372-003A	SB-1-2	Soil		1	Acetate Liner	☐	7/12/2017 9:01			☑	
1707372-004A	SB-1-4	Soil		1	Acetate Liner	☐	7/12/2017 8:59			☑	
1707372-005A	SB-1-8	Soil		1	Acetate Liner	☐	7/12/2017 9:09			☑	
1707372-006A	SB-1-12	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	7/12/2017 9:13	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1707372-007A	SB-1-16	Soil		1	Acetate Liner	☐	7/12/2017 9:16			☑	
1707372-008A	SB-1-18	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	7/12/2017 9:24	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1707372-009A	SB-1-20	Soil		1	Acetate Liner	☐	7/12/2017 9:22			☑	
1707372-010A	SB-1-24	Soil		1	Acetate Liner	☐	7/12/2017 9:31			☑	
1707372-011A	SB-1-28	Soil		1	Acetate Liner	☐	7/12/2017 9:35			☑	
1707372-012A	SB-2-2	Soil		1	Acetate Liner	☐	7/12/2017 12:03			☑	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: Jeremy Smith
Contact's Email: jasmith@aeiconsultants.com

Project: 365735; Race Street
Comments:

Work Order: 1707372
QC Level: LEVEL 2
Date Logged: 7/12/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1707372-013A	SB-2-4	Soil		1	Acetate Liner	☐	7/12/2017 12:01			☑	
1707372-014A	SB-2-8	Soil		1	Acetate Liner	☐	7/12/2017 12:08			☑	
1707372-015A	SB-2-12	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	7/12/2017 12:12	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1707372-016A	SB-2-16	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	7/12/2017 12:15	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1707372-017A	SB-3-2	Soil		1	Acetate Liner	☐	7/12/2017 10:13			☑	
1707372-018A	SB-3-4	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	7/12/2017 10:11	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1707372-019A	SB-3-8	Soil		1	Acetate Liner	☐	7/12/2017 10:17			☑	
1707372-020A	SB-3-12	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	7/12/2017 10:21	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1707372-021A	SB-3-16	Soil		1	Acetate Liner	☐	7/12/2017 10:25			☑	
1707372-022A	SB-3-20	Soil		1	Acetate Liner	☐	7/12/2017 10:29			☑	
1707372-023A	SB-3-22	Soil		1	Acetate Liner	☐	7/12/2017 10:33			☑	
1707372-024A	SB-3-24	Soil		1	Acetate Liner	☐	7/12/2017 10:31			☑	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS **Project:** 365735; Race Street **Work Order:** 1707372
Client Contact: Jeremy Smith **QC Level:** LEVEL 2
Contact's Email: jasmith@aeiconsultants.com **Comments:** **Date Logged:** 7/12/2017

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1707372-025A	SB-3-28	Soil		1	Acetate Liner	☐	7/12/2017 10:40			☑	
1707372-026A	SB-3-32	Soil		1	Acetate Liner	☐	7/12/2017 10:47			☑	
1707372-027A	SB-4-2	Soil		1	Acetate Liner	☐	7/12/2017 9:54			☑	
1707372-028A	SB-4-4	Soil		1	Acetate Liner	☐	7/12/2017 9:51			☑	
1707372-029A	SB-4-8	Soil		1	Acetate Liner	☐	7/12/2017 9:57			☑	
1707372-030A	SB-4-12	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	7/12/2017 10:00	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1707372-031A	SB-4-16	Soil	SW8015B (Diesel & Motor Oil)	1	Acetate Liner	☐	7/12/2017 10:04	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1707372

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush [ ] 2 Day Rush [ ] 3 Day Rush [ ] STD ● Quote #
J-Flag / MDL [ ] ESL [ ] Cleanup Approved [ ] Bottle Order #
Delivery Format: PDF [ ] GeoTracker EDF [ ] EDD [ ] Write On (DW) [ ] EQuIS [ ]

Report To: Jeremy Smith Bill To: AEI
Company: AEI
Email: jasmith@aeiconsultants.com
Alt Email: nbricker@aeiconsultants.com Tele: 707-484-6223
Project Name: Race Street Project #: 365735
Project Location: 260 Grand Avenue, San Jose, California PO # 136871
Sampler Signature: [signature]

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	TPH Multi-Range using 8015b	BTEX/MTBE using 8021b		
SB-1-GW	7/12/17	1108	6	GW	1,2																●	●		
SB-3-GW	7/12/17	1141	6	GW	1,2																●	●		

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
[signature]	7/12/17	1535	[signature]	7/12/17	1535

Comments / Instructions
* Changes made to Soils on hold per email from Jeremy Smith.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 4.2 °C Initials ____

Page 1 of 4

General COC

MAI Work Order # 1707372

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush		2 Day Rush		3 Day Rush		STD	●	Quote #
J-Flag / MDL		ESL		Cleanup Approved				Bottle Order #
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)	EQuIS

Report To: Jeremy Smith Bill To: AEI
Company: AEI
Email: jasmith@aeiconsultants.com
Alt Email: nbricker@aeiconsultants.com Tele: 707-484-6223
Project Name: Race Street Project #: 365735
Project Location: 260 Grand Avenue, San Jose, California PO #: 136871
Sampler Signature: [signature]

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
SB-1-2	7/12/17	0901	1	S	1
SB-1-4	7/12/17	0859	1	S	1
SB-1-8	7/12/17	0909	1	S	1
SB-1-12	7/12/17	0913	1	S	1
SB-1-16	7/12/17	0916	1	S	1
SB-1-18	7/12/17	0924	1	S	1
SB-1-20	7/12/17	0922	1	S	1
SB-1-24	7/12/17	0931	1	S	1
SB-1-28	7/12/17	0935	1	S	1
SB-2-2	7/12/17	1203	1	S	1

Analysis Requested

SAMPLE ID	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	TPH Multi-Range using 8015b	BTEX/MTBE using 8021b	HOLD	
SB-1-2																		●	
SB-1-4																		●	
SB-1-8																		●	
SB-1-12																X	X	~~●~~	KP
SB-1-16																		●	
SB-1-18																X	X	~~●~~	KP
SB-1-20																		●	
SB-1-24																		●	
SB-1-28																		●	
SB-2-2																		●	

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* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
[signature]	7/12/17	1535	[signature]	7/12/17	1535

Comments / Instructions

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp ______ °C Initials ______

Page 2 of 4

General COC

MAI Work Order # 1707372

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Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Jeremy Smith Bill To: AEI
Company: AEI
Email: jasmith@aeiconsultants.com
Alt Email: nbricker@aeiconsultants.com Tele: 707-484-6223
Project Name: Race Street Project #365735
Project Location: 260 Grand Avenue, San Jose, California PO # 136871
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
SB-2-4	7/12/17	1201	1	S	1
SB-2-8	7/12/17	1208	1	S	1
SB-2-12	7/12/17	1212	1	S	1
SB-2-16	7/12/17	1215	1	S	1
SB-3-2	7/12/17	1013	1	S	1
SB-3-4	7/12/17	1011	1	S	1
SB-3-8	7/12/17	1017	1	S	1
SB-3-12	7/12/17	1021	1	S	1
SB-3-16	7/12/17	1025	1	S	1
SB-3-20	7/12/17	1029	1	S	1

Analysis Requested

SAMPLE ID	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	TPH Multi-Range using 8015b	BTEX/MTBE using 8021b	HOLD	
SB-2-4																		●	
SB-2-8																		●	
SB-2-12																X	X	●	HP
SB-2-16																X	X	●	HP
SB-3-2																		●	
SB-3-4																X	X	●	HP
SB-3-8																		●	
SB-3-12																X	X	●	HP
SB-3-16																		●	
SB-3-20																		●	

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Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	7/12/17	1535		1535	7/12/17

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

General COC

MAI Work Order # 1707372

6

McCAMPBELL ANALYTICAL, INC.

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD ● | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | EQuIS

Report To: Jeremy Smith Bill To: AEI
Company: AEI
Email: jasmith@aeiconsultants.com
Alt Email: nbricker@aeiconsultants.com Tele: 707-484-6223
Project Name: Race Street Project #365735
Project Location: 260 Grand Avenue, San Jose, California PO # 136871
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
SB-3-22	7/12/17	1033	1	S	1
SB-3-24	7/12/17	1031	1	S	1
SB-3-28	7/12/17	1040	1	S	1
SB-3-32	7/12/17	1047	1	S	1
SB-4-2	7/12/17	0954	1	S	1
SB-4-4	7/12/17	0951	1	S	1
SB-4-8	7/12/17	0957	1	S	1
SB-4-12	7/12/17	1000	1	S	1
SB-4-16	7/12/17	1004	1	S	1

Analysis Requested

	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	TPH Multi-Range using 8015b	BTEX/MTBE using 8021b	HOLD	
SB-3-22																		●	
SB-3-24																		●	
SB-3-28																		●	
SB-3-32																		●	
SB-4-2																		●	
SB-4-4																		●	
SB-4-8																		●	
SB-4-12																X	X	●	X
SB-4-16																X	X	●	X

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Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	7/12/17	1535		7/12/17	1535

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**AEI Consultants**	Date and Time Received	**7/12/2017 15:35**
Project Name:	**365735; Race Street**	Date Logged:	**7/12/2017**
		Received by:	Jena Alfaro
WorkOrder №:	**1707372** Matrix: Soil/Water	Logged by:	Kena Ponce
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Sample/Temp Blank temperature	Temp: 6.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	
	(Ice Type: WET ICE)		

UCMR Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

Comments:

APPENDIX C

GEOPHYSICAL INVESTIGATION

LEGEND

STORM DRAIN —— SD ——— SD ——

GENERAL NOTES

1. THE LOCATION OF UNDERGROUND UTILITIES ARE SHOWN TO THE EXTENT POSSIBLE AND ARE BASED ON OBSERVED SURFACE EVIDENCE, AVAILABLE RECORD INFORMATION PROVIDED FROM AEI COMSULTANT AND 1ST CALL UTILITY LOCATING.
2. CONTRACTORS AND OTHER PERFORMING WORK SHALL VERIFY THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES WITHIN CONSTRUCTION AREA.
3. SPRINKLER HEADS AND IRRIGATION LATERAL LINES ARE NOT SHOWN HEREON.
4. ADDITIONAL UNDETECTED UTILITIES MAY EXIST WITHIN THE LIMIT OF THIS SURVEY.
5. CALL UNDERGROUND SERVICE ALERT (USA) 48 HOURS PRIOR TO ANY UNDERGROUND WORK.