December 9, 2016

LIMITED PHASE II 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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December 9, 2016

Mr. Paul Ring
Core Affordable Housing, LLC
470 Market Street
San Jose, California 95113

Subject: **Limited Phase II Subsurface Investigation**
237-253 Race Street and 216-260 Grand Avenue
San Jose, California
AEI Project No. 365735

AEI Consultants (AEI) is pleased to provide this report which describes the activities and results of the Limited Phase II Subsurface Investigation (Phase II) performed at the above referenced subject property (Figures 1 and 2), referred to as "the Site". This investigation was completed in general accordance with the authorized scope of services outlined in our authorized proposal number 48012.

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.

The document available to AEI did not contain a sample location map, analytical data, or other details on the prior site investigations.

2.0 INVESTIGATION EFFORTS

AEI was requested to perform a shallow soil and soil gas sampling event to further assess Site conditions prior to a potential redevelopment of the Site. Based on the results of the prior investigations and the nearby sites of concern, this investigation focused on assessment of near surface soil and soil gas in an effort to identify potential environment conditions that may be encountered during the course of redevelopment.

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 on the subject property.

2.3 Drilling and Soil Sample Collection

On November 28, 2016, ten soil borings (SB-1 to SB-10) and three soil gas borings (SG-1 to SG-3) were advance on the Site (Figure 3). The borings were advanced by California C57 Licensed drilling contractor Environmental Control Associates of Aptos, California using a truck mounted drilling rig. The borings were advanced to a depth of up to 5.5 feet below ground surface (bgs). The location and purpose of each boring are listed below:

- Borings SB-1 to SB-10 were advanced to a depth of 4 feet bgs throughout the property to assess current shallow soil conditions.
- Boring SG-1 was advanced in the southeast corner of the property to assess the vapor intrusion threat from an existing LUST site to the southeast.
- Borings SG-2 and SG-3 were advanced as near to the dry-cleaning site as possible to assess the potential for an offsite release from dry cleaning operations.

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.

2.4 Soil Gas Sample Collection

Borings SG-1 to SG-3 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 isopropyl alcohol 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 prior to sealing.

2.5 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.

2.6 Laboratory Analyses

The soil and soil gas 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:

- Total petroleum hydrocarbons (TPH) multi-range by EPA Method 8015 (10 samples)
- OCPs by EPA Method 8081A (10 samples)
- California Assessment Manual (CAM-17) by EPA Method 6010B (5 samples)
- Arsenic by EPA Method 6010B (5 samples)
- Volatile organic compounds (VOCs) by EPA Method 8260 (2 samples)

Laboratory analysis of three soil gas consisted of the following:

- VOCs by EPA Method TO15

2.7 Investigation Derived Wastes

Investigation derived waste was left onsite in labeled 5-gallon buckets.

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 different regulatory programs. The results of this investigation were reviewed along with the Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) when available. For chemicals were 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 the maximum depth explored 5.5 feet bgs, with the exception of SG-1 which consisted of sandy gravel to a depth of 5.5 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 not encountered as part of this investigation.

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 concentrations observed was in SB-4 at 140 milligrams per kilogram (mg/kg) and 2,500 mg/kg, respectively. None of the detections exceed the respective ESL.
- TPH as gasoline (TPHg) was not detected at or above the laboratory detection limits in the soil samples analyzed.
- VOCs were not reported at or above the laboratory detection limit in the soil samples analyzed from SG-2 and SG-3.

Metals (Table 2)

Metals were detected in several of the soil samples analyzed. Metals were general observed either below their ESL or at expected background level for soils in the bay area. The following observations can be made regarding the detections:

- Chromium was detected at concentrations ranging from 45 mg/kg to 86 mg/kg. As it relates to potential disposal acceptance, samples with detection above 50 mg/kg chromium typically are required to have additional testing, including those for hexavalent chromium and / or soluble threshold limit concentration (STLC) extraction to assess appropriate disposal facility options.
- Two lead samples were observed above the ESL of 80 mg/kg. SB-1 was reported to contain lead at a concentration of 190 mg/kg and SB-9 was reported to contain lead at a concentration of 340. If the soil is to remain in place, further assessment into the extent of lead impact may be appropriate. If the soil is to be removed, these samples would need to be further analyzed using a STLC extraction to assess appropriate disposal facility options.
- Nickel was detected in one sample above the ESL of 86 mg/kg; in SB-4 at a concentration of 150 mg/kg.

Pesticides (Table 3)

OCPs were either reported below laboratory detection limits or detected but below the ESL with the exception of dieldrin in SB-1. In this sample, dieldrin was detected at a concentration of 0.0021 mg/kg, above the ESL of 0.00017 mg/kg. It should be noted that this 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 in which the reported concentration did not exceed.

3.3 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 SG-1 at a concentration of 6.0 micrograms per meter cubed ($\mu g/m^3$) which does not exceed the ESL of 48 $\mu g/m^3$.
- PCE was reported in SG-2 and SG-3 at a concentration of 210 $\mu g/m^3$ and 20 $\mu g/m^3$, respectively, neither of which exceed the ESL of 240 $\mu g/m^3$.
- Several other VOCs were reported which did not exceed the respectively screening level if available.
- The leak check compound, 2-propanol, was detected but was not above 10 times the reporting limit for the target analyte indicating that a significant leak was not present.

4.0 SUMMARY AND CONCLUSIONS

AEI has completed the requested limited Phase II at the Site. The purpose of the investigation was to assess shallow soil and soil gas to identify potential environment conditions that may be encountered during the course of redevelopment. A total of 13 borings (SB-1 to SB-10 and SG-1 to SG-3) were advanced at the Site for the collection of soil and/or soil gas samples. Findings of the recent investigation with regards to the three previously identified RECs can be summarized as follows.

Shallow Soil Conditions

Shallow 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 potentially pesticides. AEI understands that the development under consideration would necessitate removal of several to up to 10 or so feet vertically of soils. Based on this, it is expected that the identified shallow soil impacts would be removed; however this may necessitate additional testing for disposal acceptance along with potential costs for disposal requirements.

Vapor Intrusion From Offsite Former Gasoline Station

VOC detections in the soil gas from SG-1 were compared to ESLs. VOCs were not reported above the ESLs indicating that a significant vapor intrusion threat form the offsite former gasoline station is not present. The regulatory LUST case for this site has recently been closed using low threat closure policy criteria. Soil gas was not considered a threat for vapor intrusion at the former gasoline station based on hydrocarbon concentrations in the groundwater, the depth to groundwater, and relatively "clean" shallow soil. 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.

Adjacent Dry Cleaning Facility

PCE was detected in soil gas from SG-2 and SG-3. The PCE detections were below the referenced residential ESL; however, the detection of PCE indicates 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.

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

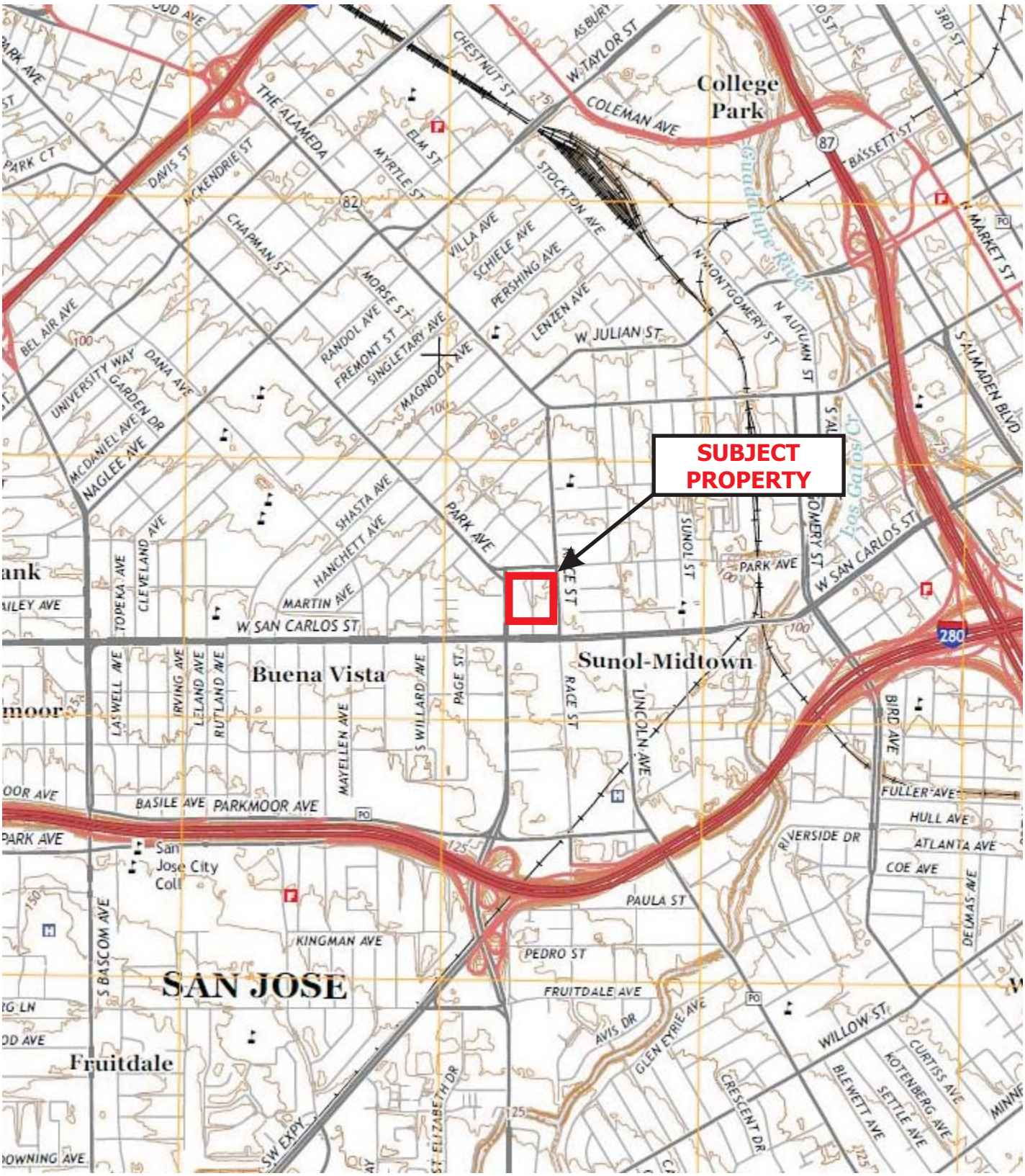
DRAFT

Jeremy Smith
Senior Project Manager

DRAFT

Peter McIntyre, PG
Executive Vice President

FIGURES



LEGEND

0 1,000 2,000

SCALE: 1" = 2,000'

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

N

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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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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
- Soil Boring

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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	--	--	--	--	--	--
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

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)	Co (mg/kg)	Cu (mg/kg)	Pb (mg/kg)	Hg (mg/kg)	Mo (mg/kg)	Ni (mg/kg)	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
Comparison Values:																			
TTLC (mg/kg)		-	500	500	10,000	75	100	2,500	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	80	25	5.0	0.2	350	20	1.0	5.0	7.0	24	250
TCLP (mg/L)		-	-	5.0	100	NA	1.0	5.0	-	-	5.0	0.2	-	-	1.0	5.0	-	-	-
ESL - Default Tier 1			31	0.067 [1]	2,900	40	39	-	23	3,100	80	13	390	86	390	390	0.78	600	23,000

Notes:

mg/kg	Milligrams per kilogram
<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 Area 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 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 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
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)	Cyclohexane (µg/m^3)	Dichloro-difluoromethane (µg/m^3)	Ethanol (µg/m^3)	2-Propanol (Leak Check) (µg/m^3)	Remaining VOCs (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	53	28	11	19	<RL
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	<3.4	9.3	4.0	13	<RL
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	<3.4	<4.9	2.5	8.5	<RL
Comparison Values:																		
ESL-VI:	--	--	48	160,000	52,000	240	--	--	--	260,000	--	1,500,000	--	--	--	--	--	--
RSL - VI	--	--	--	--	--	--	3,650	47	--	--	--	--	365,000	3,150,000	50,000	--	--	--

Notes:

µg/m^3	micrograms per cubic meter
<2.2	less than the stated laboratory reporting limit
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
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 existing residential buildings with near source vapor contaminants

APPENDIX A

BORING LOGS

BORING NUMBER SB-1

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					TOPSOIL, roots, plant debris, very dark brown (2/2 10YR).	
0.5	SB-1-0.5		0.4		SILTY CLAY (CL), very dark brown (2/2 10YR) with brown mottling from 2-3.5', soft, moist, moderate plasticity, no odor.	
2.5	SB-1-2.5		0.1			
	SB-1-3.5		0.1			
4.0					Bottom of borehole at 4.0 feet.	

BORING NUMBER SB-2

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	SB-2-0.5		0.7		0.5 CONCRETE. CLAYEY SILT (ML), dark brown (3/3 10YR), soft, moist, non plastic, no odor.	
	SB-2-2.5		0.2			
	SB-2-3.5		0.3		4.0	

Bottom of borehole at 4.0 feet.

BORING NUMBER SB-3

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	SB-3-0.5		0.1		0.5 TOPSOIL/ roots, plant debris, very dark brown (2/2 10YR).	
					GRAVELLY SILT (ML) with trace clay, very dark brown (2/2 10YR), soft, dry, non plastic, gravel in fine, sub-angular and poorly graded, no odor. 2.0	
	SB-3-2.5		0.0			
	SB-3-3.5		0.0		CLAYEY SILT (ML), dark brown (3/3 10YR), soft to medium stiff, dry, non plastic, no odor. 4.0	

Bottom of borehole at 4.0 feet.

AEI Consultants
Environmental & Engineering Services

AEI Consultants

BORING NUMBER SB-4

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.5 ASPHALT PAVEMENT.	
	SB-4-0.5		3.3		GRAVELLY SAND (SP) with silt, very dark greyish brown (3/2 10YR), loose, moist, poorly graded, fine, sub-angular gravel, no odor.	
					2.0	
	SB0402.5		1.7		SILTY CLAY (CL), very dark brown (2/2 10YR), medium stiff, moist, low plasticity, no odor.	
	SB-4-3.5		2.2		4.0	

Bottom of borehole at 4.0 feet.

BORING NUMBER SB-5

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.5 CONCRETE.	
	SB-5-0.5		0.1		SILTY CLAY (ML), very dark brown (2/2 10YR), soft, moist, low plasticity, no odor.	
	SB-5-2.5		0.0		At 3' color changes to dark brown (3/3 10YR) with light brown mottling.	
	SB-5-3.5		0.0		4.0	

Bottom of borehole at 4.0 feet.

BORING NUMBER SB-6

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	SB-6-0.5		0.1		0.5 ASPHALT and loose gravel cover. SILTY CLAY (CL), dark brown (3/3 10YR), soft, moist, moderate plasticity, no odor.	
	SB-6-2.5		0.0			
	SB-6-3.5		0.2		4.0	

Bottom of borehole at 4.0 feet.

AEI Consultants
Environmental & Engineering Services

AEI Consultants

BORING NUMBER SB-7

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.5 ASPHALT/ loose gravel cover.	
	SB-7-0.5		0.1		SILTY CLAY (CL), very dark brown (2/2 10YR), soft, moist, low plasticity, no odor.	
	SB-7-2.5		0.0			
	SB-7-3.5		0.3		4.0	

Bottom of borehole at 4.0 feet.

BORING NUMBER SB-8

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.5 ASPHALT/ gravel cover.	
	SB-8-0.5		0.1		SILTY CLAY (CL), dark brown (3/3 10YR) with light yellow brown mottling, soft, moist, low plasticity, no odor.	
	SB-8-2.5		0.2			
	SB-8-3.5		0.1		4.0	

Bottom of borehole at 4.0 feet.

AEI Consultants
Environmental & Engineering Services

AEI Consultants

BORING NUMBER SB-9

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.5 ASPHALT/ gravel cover.	
	SB-9-0.5		0.1		SILTY CLAY (CL), very dark brown (2/2 10YR) with light yellow brown mottling, soft, moist, low plasticity, no odor.	
	SB-9-2.5		0.4			
	SB-9-3.5		0.2		4.0	

Bottom of borehole at 4.0 feet.

BORING NUMBER SB-10

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
	SB-10-0.5		0.1		0.5 ASPHALT/ gravel cover.	
					CLAYEY SILT (ML), dark brown (3/3 10YR), soft, dry, non plastic, no odor.	
					2.0	
	SB-10-2.5		0.5		SILTY CLAY (CL), very dark brown (2/2 10YR), soft, moist, low plasticity, no odor.	
	SB-10-3.5		0.3		4.0	

Bottom of borehole at 4.0 feet.

BORING NUMBER SG-1

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.5 ASPHALT PAVEMENT.	
	SG-1-0.5		1.4		SANDY GRAVEL (GP) with silt, very dark greyish brown (3/2 10YR), loose, moist, poorly graded, fine grained, sub-angular gravel, no odor.	
	SG-1-2.5		1.6			
5	SG-1-5.0		2.6		5.5	

Bottom of borehole at 5.5 feet.

BORING NUMBER SG-2

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.5 ASPHALT PAVEMENT.	
	SG-2-0.5		0.0		SILTY CLAY (CL), dark brown (3/3 10YR), medium stiff, low plasticity, no odor. 2.0	
	SG-2-2.5		0.1		CLAYEY SILT (ML), very dark brown (2/2 10YR), soft, non plastic, no odor.	
5	SG-2-5.0		0.1		5.5	

Bottom of borehole at 5.5 feet.

BORING NUMBER SG-3

AEI Consultants

Environmental & Engineering Services

CLIENT Core Affordable Housing, LLC
PROJECT NAME
PROJECT NUMBER 365735
PROJECT LOCATION 237-253 Race St and 216-260 Grand Ave, San Jose
DATE STARTED 11/21/16 **COMPLETED** 11/21/16
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 M. Zaunius **CHECKED BY** Peter McIntyre
AT END OF DRILLING ---
NOTES
AFTER DRILLING --- No groundwater encountered.

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					0.5 TOPSOIL/ plant debris.	
	SG-3-0.5		0.2		CLAYEY SILT (ML), dark brown (3/3 10YR), medium stiff, dry, non plastic, no odor.	
					2.5	
	SG-3-2.5		0.2		SILTY CLAY (CL), very dark brown (2/2 10YR), soft, moist, moderate plasticity, no odor.	
5						
	SG-3-5.0		0.0		5.5	

Bottom of borehole at 5.5 feet.

APPENDIX B

LABORATORY ANALYTICAL REPORTS

ADVANCED TECHNOLOGY LABORATORIES

December 01, 2016

Jeremy Smith
AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Tel: (925) 746-6000
Fax:(925) 746-6099

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1604234
Client Reference : Race Street Properties, 365735

Enclosed are the results for sample(s) received on November 23, 2016 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

Certificate of Analysis

AEI Consultants		Project Number :	Race Street Properties, 365735
2500 Camino Diablo		Report To :	Jeremy Smith
Walnut Creek , CA 94597		Reported :	12/01/2016

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-1	1604234-01	Air	11/21/16 13:47	11/23/16 10:00
SG-2	1604234-02	Air	11/21/16 16:09	11/23/16 10:00
SG-3	1604234-03	Air	11/21/16 16:17	11/23/16 10:00

Certificate of Analysis

AEI Consultants	Project Number : Race Street Properties, 365735
2500 Camino Diablo	Report To : Jeremy Smith
Walnut Creek , CA 94597	Reported : 12/01/2016

Client Sample ID SG-1

Lab ID: 1604234-01

Volatile Organic Compounds in AIR by TO-15 (ug/m3) **Analyst: LT**

Analyte	Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	6.9	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
1,1,1-Trichloroethane	ND	5.5	4	B6K1060	11/29/2016	11/29/16 10:33	
1,1,2,2-Tetrachloroethane	ND	6.9	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
1,1,2-Trichloroethane	ND	6.5	4	B6K1060	11/29/2016	11/29/16 10:33	
1,1-Dichloroethane	ND	4.0	4	B6K1060	11/29/2016	11/29/16 10:33	
1,1-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 10:33	
1,1-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 10:33	
1,2,3-Trichloropropane	ND	6.0	4	B6K1060	11/29/2016	11/29/16 10:33	
1,2,4-Trichlorobenzene	ND	7.4	4	B6K1060	11/29/2016	11/29/16 10:33	
1,2,4-Trimethylbenzene	**9.6**	4.9	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
1,2-Dibromo-3-chloropropane	ND	9.7	4	B6K1060	11/29/2016	11/29/16 10:33	
1,2-Dibromoethane	ND	7.7	4	B6K1060	11/29/2016	11/29/16 10:33	
1,2-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
1,2-Dichloroethane	ND	4.0	4	B6K1060	11/29/2016	11/29/16 10:33	
1,2-Dichloropropane	ND	4.6	4	B6K1060	11/29/2016	11/29/16 10:33	
1,3,5-Trimethylbenzene	**7.3**	4.9	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
1,3-Butadiene	ND	2.2	4	B6K1060	11/29/2016	11/29/16 10:33	
1,3-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
1,4-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
1,4-Dioxane	ND	3.6	4	B6K1060	11/29/2016	11/29/16 10:33	
2,2,4-Trimethylpentane	ND	4.7	4	B6K1060	11/29/2016	11/29/16 10:33	
2-Butanone	**8.1**	2.9	4	B6K1060	11/29/2016	11/29/16 10:33	
2-Chloroethyl vinyl ether	ND	4.4	4	B6K1060	11/29/2016	11/29/16 10:33	
2-Chlorotoluene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
2-Hexanone	ND	4.1	4	B6K1060	11/29/2016	11/29/16 10:33	
2-Propanol	**19**	2.5	4	B6K1060	11/29/2016	11/29/16 10:33	
4-Chlorotoluene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 10:33	
4-Ethyl Toluene	**7.5**	4.9	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
4-Methyl-2-pentanone	ND	4.1	4	B6K1060	11/29/2016	11/29/16 10:33	
Acetone	**67**	2.4	4	B6K1060	11/29/2016	11/29/16 10:33	
Acetonitrile	ND	1.7	4	B6K1060	11/29/2016	11/29/16 10:33	
Acrolein	ND	2.3	4	B6K1060	11/29/2016	11/29/16 10:33	
Acrylonitrile	ND	2.2	4	B6K1060	11/29/2016	11/29/16 10:33	
Benzene	**6.0**	3.2	4	B6K1060	11/29/2016	11/29/16 10:33	
Benzyl chloride	ND	5.2	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Bromobenzene	ND	6.4	4	B6K1060	11/29/2016	11/29/16 10:33	
Bromodichloromethane	ND	6.7	4	B6K1060	11/29/2016	11/29/16 10:33	

Certificate of Analysis

AEI Consultants	Project Number : Race Street Properties, 365735
2500 Camino Diablo	Report To : Jeremy Smith
Walnut Creek , CA 94597	Reported : 12/01/2016

Client Sample ID SG-1

Lab ID: 1604234-01

Volatile Organic Compounds in AIR by TO-15 (ug/m3) **Analyst: LT**

Analyte	Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromoform	ND	10	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Bromomethane	ND	3.9	4	B6K1060	11/29/2016	11/29/16 10:33	
Carbon disulfide	**3.7**	3.1	4	B6K1060	11/29/2016	11/29/16 10:33	
Carbon tetrachloride	ND	6.3	4	B6K1060	11/29/2016	11/29/16 10:33	
Chlorobenzene	ND	4.6	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Chloroethane	ND	2.6	4	B6K1060	11/29/2016	11/29/16 10:33	
Chloroform	ND	4.9	4	B6K1060	11/29/2016	11/29/16 10:33	
Chloromethane	ND	2.1	4	B6K1060	11/29/2016	11/29/16 10:33	
cis-1,2-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 10:33	
cis-1,3-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 10:33	
Cyclohexane	**53**	3.4	4	B6K1060	11/29/2016	11/29/16 10:33	
Dibromochloromethane	ND	8.5	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Dibromomethane	ND	7.1	4	B6K1060	11/29/2016	11/29/16 10:33	
Dichlorodifluoromethane	**28**	4.9	4	B6K1060	11/29/2016	11/29/16 10:33	
Dichlorotetrafluoroethane	ND	7.0	4	B6K1060	11/29/2016	11/29/16 10:33	
Ethanol	**11**	1.9	4	B6K1060	11/29/2016	11/29/16 10:33	
Ethylbenzene	ND	4.3	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Freon-113	ND	7.7	4	B6K1060	11/29/2016	11/29/16 10:33	
Hexachlorobutadiene	ND	11	4	B6K1060	11/29/2016	11/29/16 10:33	
Isopropylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
m,p-Xylene	**27**	17	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Methylene chloride	ND	3.5	4	B6K1060	11/29/2016	11/29/16 10:33	
MTBE	ND	3.6	4	B6K1060	11/29/2016	11/29/16 10:33	
n-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
n-Propylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Naphthalene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
o-Xylene	**6.8**	4.3	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
p-Isopropyltoluene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 10:33	
sec-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Styrene	ND	4.3	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
tert-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Tetrachloroethene	ND	6.8	4	B6K1060	11/29/2016	11/29/16 10:33	E3, E4
Toluene	**7.7**	3.8	4	B6K1060	11/29/2016	11/29/16 10:33	
trans-1,2-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 10:33	
trans-1,3-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 10:33	
Trichloroethene	ND	5.4	4	B6K1060	11/29/2016	11/29/16 10:33	
Trichlorofluoromethane	ND	5.6	4	B6K1060	11/29/2016	11/29/16 10:33	

Certificate of Analysis

AEI Consultants		Project Number :	Race Street Properties, 365735
2500 Camino Diablo		Report To :	Jeremy Smith
Walnut Creek , CA 94597		Reported :	12/01/2016

Client Sample ID SG-1

Lab ID: 1604234-01

Volatile Organic Compounds in AIR by TO-15 (ug/m3)

Analyst: LT

Analyte	Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	3.5	4	B6K1060	11/29/2016	11/29/16 10:33	
Vinyl chloride	ND	2.6	4	B6K1060	11/29/2016	11/29/16 10:33	
Surrogate: 4-Bromofluorobenzene	*101 %*	*79.2 - 147*		B6K1060	11/29/2016	*11/29/16 10:33*	

Certificate of Analysis

AEI Consultants	Project Number : Race Street Properties, 365735
2500 Camino Diablo	Report To : Jeremy Smith
Walnut Creek , CA 94597	Reported : 12/01/2016

Client Sample ID SG-2

Lab ID: 1604234-02

Volatile Organic Compounds in AIR by TO-15 (ug/m3) **Analyst: LT**

Analyte	Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	6.9	4	B6K1060	11/29/2016	11/29/16 12:45	
1,1,1-Trichloroethane	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:45	
1,1,2,2-Tetrachloroethane	ND	6.9	4	B6K1060	11/29/2016	11/29/16 12:45	
1,1,2-Trichloroethane	ND	6.5	4	B6K1060	11/29/2016	11/29/16 12:45	
1,1-Dichloroethane	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:45	
1,1-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:45	
1,1-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 12:45	
1,2,3-Trichloropropane	ND	6.0	4	B6K1060	11/29/2016	11/29/16 12:45	
1,2,4-Trichlorobenzene	ND	7.4	4	B6K1060	11/29/2016	11/29/16 12:45	
1,2,4-Trimethylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:45	
1,2-Dibromo-3-chloropropane	ND	9.7	4	B6K1060	11/29/2016	11/29/16 12:45	
1,2-Dibromoethane	ND	7.7	4	B6K1060	11/29/2016	11/29/16 12:45	
1,2-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 12:45	
1,2-Dichloroethane	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:45	
1,2-Dichloropropane	ND	4.6	4	B6K1060	11/29/2016	11/29/16 12:45	
1,3,5-Trimethylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:45	
1,3-Butadiene	ND	2.2	4	B6K1060	11/29/2016	11/29/16 12:45	
1,3-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 12:45	
1,4-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 12:45	
1,4-Dioxane	ND	3.6	4	B6K1060	11/29/2016	11/29/16 12:45	
2,2,4-Trimethylpentane	ND	4.7	4	B6K1060	11/29/2016	11/29/16 12:45	
2-Butanone	ND	2.9	4	B6K1060	11/29/2016	11/29/16 12:45	
2-Chloroethyl vinyl ether	ND	4.4	4	B6K1060	11/29/2016	11/29/16 12:45	
2-Chlorotoluene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 12:45	
2-Hexanone	ND	4.1	4	B6K1060	11/29/2016	11/29/16 12:45	
2-Propanol	**13**	2.5	4	B6K1060	11/29/2016	11/29/16 12:45	
4-Chlorotoluene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 12:45	
4-Ethyl Toluene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:45	
4-Methyl-2-pentanone	ND	4.1	4	B6K1060	11/29/2016	11/29/16 12:45	
Acetone	**6.8**	2.4	4	B6K1060	11/29/2016	11/29/16 12:45	
Acetonitrile	ND	1.7	4	B6K1060	11/29/2016	11/29/16 12:45	
Acrolein	ND	2.3	4	B6K1060	11/29/2016	11/29/16 12:45	
Acrylonitrile	ND	2.2	4	B6K1060	11/29/2016	11/29/16 12:45	
Benzene	ND	3.2	4	B6K1060	11/29/2016	11/29/16 12:45	
Benzyl chloride	ND	5.2	4	B6K1060	11/29/2016	11/29/16 12:45	
Bromobenzene	ND	6.4	4	B6K1060	11/29/2016	11/29/16 12:45	
Bromodichloromethane	ND	6.7	4	B6K1060	11/29/2016	11/29/16 12:45	

Certificate of Analysis

AEI Consultants	Project Number : Race Street Properties, 365735
2500 Camino Diablo	Report To : Jeremy Smith
Walnut Creek , CA 94597	Reported : 12/01/2016

Client Sample ID SG-2

Lab ID: 1604234-02

Volatile Organic Compounds in AIR by TO-15 (ug/m3) **Analyst: LT**

Analyte	Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromoform	ND	10	4	B6K1060	11/29/2016	11/29/16 12:45	
Bromomethane	ND	3.9	4	B6K1060	11/29/2016	11/29/16 12:45	
Carbon disulfide	ND	3.1	4	B6K1060	11/29/2016	11/29/16 12:45	
Carbon tetrachloride	ND	6.3	4	B6K1060	11/29/2016	11/29/16 12:45	
Chlorobenzene	ND	4.6	4	B6K1060	11/29/2016	11/29/16 12:45	
Chloroethane	ND	2.6	4	B6K1060	11/29/2016	11/29/16 12:45	
Chloroform	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:45	
Chloromethane	ND	2.1	4	B6K1060	11/29/2016	11/29/16 12:45	
cis-1,2-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:45	
cis-1,3-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 12:45	
Cyclohexane	ND	3.4	4	B6K1060	11/29/2016	11/29/16 12:45	
Dibromochloromethane	ND	8.5	4	B6K1060	11/29/2016	11/29/16 12:45	
Dibromomethane	ND	7.1	4	B6K1060	11/29/2016	11/29/16 12:45	
Dichlorodifluoromethane	**9.3**	4.9	4	B6K1060	11/29/2016	11/29/16 12:45	
Dichlorotetrafluoroethane	ND	7.0	4	B6K1060	11/29/2016	11/29/16 12:45	
Ethanol	**4.0**	1.9	4	B6K1060	11/29/2016	11/29/16 12:45	
Ethylbenzene	ND	4.3	4	B6K1060	11/29/2016	11/29/16 12:45	
Freon-113	ND	7.7	4	B6K1060	11/29/2016	11/29/16 12:45	
Hexachlorobutadiene	ND	11	4	B6K1060	11/29/2016	11/29/16 12:45	
Isopropylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:45	
m,p-Xylene	ND	17	4	B6K1060	11/29/2016	11/29/16 12:45	
Methylene chloride	ND	3.5	4	B6K1060	11/29/2016	11/29/16 12:45	
MTBE	ND	3.6	4	B6K1060	11/29/2016	11/29/16 12:45	
n-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:45	
n-Propylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:45	
Naphthalene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 12:45	
o-Xylene	ND	4.3	4	B6K1060	11/29/2016	11/29/16 12:45	
p-Isopropyltoluene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:45	
sec-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:45	
Styrene	ND	4.3	4	B6K1060	11/29/2016	11/29/16 12:45	
tert-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:45	
Tetrachloroethene	**210**	6.8	4	B6K1060	11/29/2016	11/29/16 12:45	
Toluene	ND	3.8	4	B6K1060	11/29/2016	11/29/16 12:45	
trans-1,2-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:45	
trans-1,3-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 12:45	
Trichloroethene	ND	5.4	4	B6K1060	11/29/2016	11/29/16 12:45	
Trichlorofluoromethane	ND	5.6	4	B6K1060	11/29/2016	11/29/16 12:45	

Certificate of Analysis

AEI Consultants	Project Number : Race Street Properties, 365735
2500 Camino Diablo	Report To : Jeremy Smith
Walnut Creek , CA 94597	Reported : 12/01/2016

Client Sample ID SG-2

Lab ID: 1604234-02

Volatile Organic Compounds in AIR by TO-15 (ug/m3)

Analyst: LT

Analyte		Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate		ND	3.5	4	B6K1060	11/29/2016	11/29/16 12:45	
Vinyl chloride		ND	2.6	4	B6K1060	11/29/2016	11/29/16 12:45	
Surrogate: 4-Bromofluorobenzene	*124 %*		*79.2 - 147*		B6K1060	11/29/2016	*11/29/16 12:45*	

Certificate of Analysis

AEI Consultants	Project Number : Race Street Properties, 365735
2500 Camino Diablo	Report To : Jeremy Smith
Walnut Creek , CA 94597	Reported : 12/01/2016

Client Sample ID SG-3

Lab ID: 1604234-03

Volatile Organic Compounds in AIR by TO-15 (ug/m3) **Analyst: LT**

Analyte	Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	6.9	4	B6K1060	11/29/2016	11/29/16 12:04	
1,1,1-Trichloroethane	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:04	
1,1,2,2-Tetrachloroethane	ND	6.9	4	B6K1060	11/29/2016	11/29/16 12:04	
1,1,2-Trichloroethane	ND	6.5	4	B6K1060	11/29/2016	11/29/16 12:04	
1,1-Dichloroethane	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:04	
1,1-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:04	
1,1-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 12:04	
1,2,3-Trichloropropane	ND	6.0	4	B6K1060	11/29/2016	11/29/16 12:04	
1,2,4-Trichlorobenzene	ND	7.4	4	B6K1060	11/29/2016	11/29/16 12:04	
1,2,4-Trimethylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:04	
1,2-Dibromo-3-chloropropane	ND	9.7	4	B6K1060	11/29/2016	11/29/16 12:04	
1,2-Dibromoethane	ND	7.7	4	B6K1060	11/29/2016	11/29/16 12:04	
1,2-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 12:04	
1,2-Dichloroethane	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:04	
1,2-Dichloropropane	ND	4.6	4	B6K1060	11/29/2016	11/29/16 12:04	
1,3,5-Trimethylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:04	
1,3-Butadiene	**9.1**	2.2	4	B6K1060	11/29/2016	11/29/16 12:04	
1,3-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 12:04	
1,4-Dichlorobenzene	ND	6.0	4	B6K1060	11/29/2016	11/29/16 12:04	
1,4-Dioxane	ND	3.6	4	B6K1060	11/29/2016	11/29/16 12:04	
2,2,4-Trimethylpentane	ND	4.7	4	B6K1060	11/29/2016	11/29/16 12:04	
2-Butanone	**4.4**	2.9	4	B6K1060	11/29/2016	11/29/16 12:04	
2-Chloroethyl vinyl ether	ND	4.4	4	B6K1060	11/29/2016	11/29/16 12:04	
2-Chlorotoluene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 12:04	
2-Hexanone	ND	4.1	4	B6K1060	11/29/2016	11/29/16 12:04	
2-Propanol	**8.5**	2.5	4	B6K1060	11/29/2016	11/29/16 12:04	
4-Chlorotoluene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 12:04	
4-Ethyl Toluene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:04	
4-Methyl-2-pentanone	ND	4.1	4	B6K1060	11/29/2016	11/29/16 12:04	
Acetone	**7.4**	2.4	4	B6K1060	11/29/2016	11/29/16 12:04	
Acetonitrile	ND	1.7	4	B6K1060	11/29/2016	11/29/16 12:04	
Acrolein	ND	2.3	4	B6K1060	11/29/2016	11/29/16 12:04	
Acrylonitrile	ND	2.2	4	B6K1060	11/29/2016	11/29/16 12:04	
Benzene	ND	3.2	4	B6K1060	11/29/2016	11/29/16 12:04	
Benzyl chloride	ND	5.2	4	B6K1060	11/29/2016	11/29/16 12:04	
Bromobenzene	ND	6.4	4	B6K1060	11/29/2016	11/29/16 12:04	
Bromodichloromethane	ND	6.7	4	B6K1060	11/29/2016	11/29/16 12:04	

Certificate of Analysis

AEI Consultants	Project Number : Race Street Properties, 365735
2500 Camino Diablo	Report To : Jeremy Smith
Walnut Creek , CA 94597	Reported : 12/01/2016

Client Sample ID SG-3

Lab ID: 1604234-03

Volatile Organic Compounds in AIR by TO-15 (ug/m3) **Analyst: LT**

Analyte	Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromoform	ND	10	4	B6K1060	11/29/2016	11/29/16 12:04	
Bromomethane	ND	3.9	4	B6K1060	11/29/2016	11/29/16 12:04	
Carbon disulfide	**3.2**	3.1	4	B6K1060	11/29/2016	11/29/16 12:04	
Carbon tetrachloride	ND	6.3	4	B6K1060	11/29/2016	11/29/16 12:04	
Chlorobenzene	ND	4.6	4	B6K1060	11/29/2016	11/29/16 12:04	
Chloroethane	ND	2.6	4	B6K1060	11/29/2016	11/29/16 12:04	
Chloroform	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:04	
Chloromethane	ND	2.1	4	B6K1060	11/29/2016	11/29/16 12:04	
cis-1,2-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:04	
cis-1,3-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 12:04	
Cyclohexane	ND	3.4	4	B6K1060	11/29/2016	11/29/16 12:04	
Dibromochloromethane	ND	8.5	4	B6K1060	11/29/2016	11/29/16 12:04	
Dibromomethane	ND	7.1	4	B6K1060	11/29/2016	11/29/16 12:04	
Dichlorodifluoromethane	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:04	
Dichlorotetrafluoroethane	ND	7.0	4	B6K1060	11/29/2016	11/29/16 12:04	
Ethanol	**2.5**	1.9	4	B6K1060	11/29/2016	11/29/16 12:04	
Ethylbenzene	ND	4.3	4	B6K1060	11/29/2016	11/29/16 12:04	
Freon-113	ND	7.7	4	B6K1060	11/29/2016	11/29/16 12:04	
Hexachlorobutadiene	ND	11	4	B6K1060	11/29/2016	11/29/16 12:04	
Isopropylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:04	
m,p-Xylene	ND	17	4	B6K1060	11/29/2016	11/29/16 12:04	
Methylene chloride	ND	3.5	4	B6K1060	11/29/2016	11/29/16 12:04	
MTBE	ND	3.6	4	B6K1060	11/29/2016	11/29/16 12:04	
n-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:04	
n-Propylbenzene	ND	4.9	4	B6K1060	11/29/2016	11/29/16 12:04	
Naphthalene	ND	5.2	4	B6K1060	11/29/2016	11/29/16 12:04	
o-Xylene	ND	4.3	4	B6K1060	11/29/2016	11/29/16 12:04	
p-Isopropyltoluene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:04	
sec-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:04	
Styrene	ND	4.3	4	B6K1060	11/29/2016	11/29/16 12:04	
tert-Butylbenzene	ND	5.5	4	B6K1060	11/29/2016	11/29/16 12:04	
Tetrachloroethene	**20**	6.8	4	B6K1060	11/29/2016	11/29/16 12:04	
Toluene	**11**	3.8	4	B6K1060	11/29/2016	11/29/16 12:04	
trans-1,2-Dichloroethene	ND	4.0	4	B6K1060	11/29/2016	11/29/16 12:04	
trans-1,3-Dichloropropene	ND	4.5	4	B6K1060	11/29/2016	11/29/16 12:04	
Trichloroethene	ND	5.4	4	B6K1060	11/29/2016	11/29/16 12:04	
Trichlorofluoromethane	ND	5.6	4	B6K1060	11/29/2016	11/29/16 12:04	

Certificate of Analysis

AEI Consultants		Project Number :	Race Street Properties, 365735
2500 Camino Diablo		Report To :	Jeremy Smith
Walnut Creek , CA 94597		Reported :	12/01/2016

Client Sample ID SG-3

Lab ID: 1604234-03

Volatile Organic Compounds in AIR by TO-15 (ug/m3)

Analyst: LT

Analyte	Result (ug/m³)	PQL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Vinyl acetate	ND	3.5	4	B6K1060	11/29/2016	11/29/16 12:04	
Vinyl chloride	ND	2.6	4	B6K1060	11/29/2016	11/29/16 12:04	
Surrogate: 4-Bromofluorobenzene	*106 %*	*79.2 - 147*		B6K1060	11/29/2016	*11/29/16 12:04*	

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AEI Consultants	Project Number : Race Street Properties, 365735
2500 Camino Diablo	Report To : Jeremy Smith
Walnut Creek , CA 94597	Reported : 12/01/2016

QUALITY CONTROL SECTION

Volatile Organic Compounds in AIR by TO-15 (ug/m3) - Quality Control

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6K1060 - No_Prep_AIR									
Blank (B6K1060-BLK1)				Prepared: 11/29/2016 Analyzed: 11/29/2016					
1,1,1,2-Tetrachloroethane	ND	1.7			NR				
1,1,1-Trichloroethane	ND	1.4			NR				
1,1,2,2-Tetrachloroethane	ND	1.7			NR				
1,1,2-Trichloroethane	ND	1.6			NR				
1,1-Dichloroethane	ND	1.0			NR				
1,1-Dichloroethene	ND	0.99			NR				
1,1-Dichloropropene	ND	1.1			NR				
1,2,3-Trichloropropane	ND	1.5			NR				
1,2,4-Trichlorobenzene	ND	1.9			NR				
1,2,4-Trimethylbenzene	ND	1.2			NR				
1,2-Dibromo-3-chloropropane	ND	2.4			NR				
1,2-Dibromoethane	ND	1.9			NR				
1,2-Dichlorobenzene	ND	1.5			NR				
1,2-Dichloroethane	ND	1.0			NR				
1,2-Dichloropropane	ND	1.2			NR				
1,3,5-Trimethylbenzene	ND	1.2			NR				
1,3-Butadiene	ND	0.55			NR				
1,3-Dichlorobenzene	ND	1.5			NR				
1,4-Dichlorobenzene	ND	1.5			NR				
1,4-Dioxane	ND	0.90			NR				
2,2,4-Trimethylpentane	ND	1.2			NR				
2-Butanone	ND	0.74			NR				
2-Chloroethyl vinyl ether	ND	1.1			NR				
2-Chlorotoluene	ND	1.3			NR				
2-Hexanone	ND	1.0			NR				
2-Propanol	ND	0.61			NR				
4-Chlorotoluene	ND	1.3			NR				
4-Ethyl Toluene	ND	1.2			NR				
4-Methyl-2-pentanone	ND	1.0			NR				
Acetone	ND	0.59			NR				
Acetonitrile	ND	0.42			NR				
Acrolein	ND	0.57			NR				
Acrylonitrile	ND	0.54			NR				
Benzene	ND	0.80			NR				
Benzyl chloride	ND	1.3			NR				
Bromobenzene	ND	1.6			NR				
Bromodichloromethane	ND	1.7			NR				
Bromoform	ND	2.6			NR				
Bromomethane	ND	0.97			NR				

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Volatile Organic Compounds in AIR by TO-15 (ug/m3) - Quality Control (cont'd)

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6K1060 - No_Prep_AIR (continued)									
Blank (B6K1060-BLK1) - Continued					Prepared: 11/29/2016 Analyzed: 11/29/2016				
Carbon disulfide	ND	0.78			NR				
Carbon tetrachloride	ND	1.6			NR				
Chlorobenzene	ND	1.2			NR				
Chloroethane	ND	0.66			NR				
Chloroform	ND	1.2			NR				
Chloromethane	ND	0.52			NR				
cis-1,2-Dichloroethene	ND	0.99			NR				
cis-1,3-Dichloropropene	ND	1.1			NR				
Cyclohexane	ND	0.86			NR				
Dibromochloromethane	ND	2.1			NR				
Dibromomethane	ND	1.8			NR				
Dichlorodifluoromethane	ND	1.2			NR				
Dichlorotetrafluoroethane	ND	1.7			NR				
Ethanol	ND	0.47			NR				
Ethylbenzene	ND	1.1			NR				
Freon-113	ND	1.9			NR				
Hexachlorobutadiene	ND	2.7			NR				
Isopropylbenzene	ND	1.2			NR				
m,p-Xylene	ND	4.3			NR				
Methylene chloride	ND	0.87			NR				
MTBE	ND	0.90			NR				
n-Butylbenzene	ND	1.4			NR				
n-Propylbenzene	ND	1.2			NR				
Naphthalene	ND	1.3			NR				
o-Xylene	ND	1.1			NR				
p-Isopropyltoluene	ND	1.4			NR				
sec-Butylbenzene	ND	1.4			NR				
Styrene	ND	1.1			NR				
tert-Butylbenzene	ND	1.4			NR				
Tetrachloroethene	ND	1.7			NR				
Toluene	ND	0.94			NR				
trans-1,2-Dichloroethene	ND	0.99			NR				
trans-1,3-Dichloropropene	ND	1.1			NR				
Trichloroethene	ND	1.3			NR				
Trichlorofluoromethane	ND	1.4			NR				
Vinyl acetate	ND	0.88			NR				
Vinyl chloride	ND	0.64			NR				
Surrogate: 4-Bromofluorobenzene	*18.39*		*17.8935*		*103*	*79.2 - 147*			
LCS (B6K1060-BS1)					Prepared: 11/28/2016 Analyzed: 11/28/2016				
1,1,1,2-Tetrachloroethane	15.2402	1.7	13.7299		111	70 - 130			

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Volatile Organic Compounds in AIR by TO-15 (ug/m3) - Quality Control (cont'd)

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6K1060 - No_Prep_AIR (continued)									
LCS (B6K1060-BS1) - Continued				Prepared: 11/28/2016 Analyzed: 11/28/2016					
1,1,1-Trichloroethane	11.5125	1.4	10.9123		106	70 - 130			
1,1,2,2-Tetrachloroethane	16.4072	1.7	13.7299		120	70 - 130			
1,1,2-Trichloroethane	9.93020	1.6	10.9123		91.0	70 - 130			
1,1-Dichloroethane	8.37812	1.0	8.09480		104	70 - 130			
1,1-Dichloroethene	8.24709	0.99	7.92990		104	70 - 130			
1,1-Dichloropropene	9.03183	1.1	9.07722		99.5	70 - 130			
1,2,3-Trichloropropane	17.4866	1.5	12.0597		145	70 - 130			L5
1,2,4-Trichlorobenzene	26.5676	1.9	14.8422		179	70 - 130			L5
1,2,4-Trimethylbenzene	11.9946	1.2	9.83166		122	70 - 130			
1,2-Dibromo-3-chloropropane	29.5778	2.4	19.3319		153	70 - 130			L5
1,2-Dibromoethane	15.3670	1.9	15.3670		100	70 - 130			
1,2-Dichlorobenzene	14.3694	1.5	12.0246		120	70 - 130			
1,2-Dichloroethane	8.13528	1.0	8.09480		100	70 - 130			
1,2-Dichloropropane	8.54897	1.2	9.24213		92.5	70 - 130			
1,3,5-Trimethylbenzene	12.0929	1.2	9.83166		123	70 - 130			
1,3-Butadiene	4.60152	0.55	4.42454		104	70 - 130			
1,3-Dichlorobenzene	14.6099	1.5	12.0246		122	70 - 130			
1,4-Dichlorobenzene	14.5498	1.5	12.0246		121	70 - 130			
1,4-Dioxane	7.85558	0.90	7.20695		109	70 - 130			
2,2,4-Trimethylpentane	9.39060	1.2	9.34388		100	70 - 130			
2-Butanone	5.86875	0.74	5.89824		99.5	70 - 130			
2-Chloroethyl vinyl ether	8.80299	1.1	8.71583		101	70 - 130			
2-Chlorotoluene	12.6324	1.3	10.3544		122	70 - 130			
2-Hexanone	7.82428	1.0	8.19296		95.5	70 - 130			
2-Propanol	5.25941	0.61	4.91534		107	70 - 130			
4-Chlorotoluene	14.1338	1.3	10.3544		136	70 - 130			L5
4-Ethyl Toluene	12.0929	1.2	9.83166		123	70 - 130			
4-Methyl-2-pentanone	8.07007	1.0	8.19296		98.5	70 - 130			
Acetone	4.91712	0.59	4.75084		104	70 - 130			
Acetonitrile	3.45878	0.42	3.35804		103	70 - 130			
Acrolein	3.92097	0.57	4.58593		85.5	70 - 130			
Acrylonitrile	4.27542	0.54	4.34053		98.5	70 - 130			
Benzene	6.22979	0.80	6.38953		97.5	70 - 130			
Benzyl chloride	13.1501	1.3	10.3544		127	70 - 130			
Bromobenzene	16.5035	1.6	12.8432		128	70 - 130			
Bromodichloromethane	13.4681	1.7	13.4011		100	70 - 130			
Bromoform	25.3248	2.6	20.6733		122	70 - 130			
Bromomethane	7.96012	0.97	7.76597		102	70 - 130			
Carbon disulfide	6.41532	0.78	6.22847		103	70 - 130			
Carbon tetrachloride	12.2680	1.6	12.5826		97.5	70 - 130			
Chlorobenzene	11.0485	1.2	9.20712		120	70 - 130			
Chloroethane	5.32999	0.66	5.27722		101	70 - 130			

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Volatile Organic Compounds in AIR by TO-15 (ug/m3) - Quality Control (cont'd)

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6K1060 - No_Prep_AIR (continued)									
LCS (B6K1060-BS1) - Continued				Prepared: 11/28/2016 Analyzed: 11/28/2016					
Chloroform	10.3021	1.2	9.76499		106	70 - 130			
Chloromethane	4.08852	0.52	4.12982		99.0	70 - 130			
cis-1,2-Dichloroethene	8.48499	0.99	7.92990		107	70 - 130			
cis-1,3-Dichloropropene	9.21340	1.1	9.07724		102	70 - 130			
Cyclohexane	6.84983	0.86	6.88425		99.5	70 - 130			
Dibromochloromethane	20.9557	2.1	17.0371		123	70 - 130			
Dibromomethane	15.2150	1.8	14.2196		107	70 - 130			
Dichlorodifluoromethane	11.3742	1.2	9.89063		115	70 - 130			
Dichlorotetrafluoroethane	16.4279	1.7	13.9812		117	70 - 130			
Ethanol	3.90024	0.47	3.76834		104	70 - 130			
Ethylbenzene	10.6816	1.1	8.68425		123	70 - 130			
Freon-113	16.1702	1.9	15.3272		106	70 - 130			
Hexachlorobutadiene	36.0477	2.7	21.3300		169	70 - 130			L5
Isopropylbenzene	11.8472	1.2	9.83166		120	70 - 130			
m,p-Xylene	42.8134	4.3	34.7370		123	70 - 130			
Methylene chloride	7.36425	0.87	6.94740		106	70 - 130			
MTBE	7.71520	0.90	7.21047		107	70 - 130			
n-Butylbenzene	13.3944	1.4	10.9790		122	70 - 130			
n-Propylbenzene	12.0438	1.2	9.83166		122	70 - 130			
Naphthalene	13.3151	1.3	10.4843		127	70 - 130			
o-Xylene	10.7250	1.1	8.68425		124	70 - 130			
p-Isopropyltoluene	15.6999	1.4	10.9790		143	70 - 130			L5
sec-Butylbenzene	13.3395	1.4	10.9790		122	70 - 130			
Styrene	10.5640	1.1	8.51934		124	70 - 130			
tert-Butylbenzene	13.9433	1.4	10.9790		127	70 - 130			
Tetrachloroethene	16.0745	1.7	13.5650		118	70 - 130			
Toluene	6.36867	0.94	7.53688		84.5	70 - 130			
trans-1,2-Dichloroethene	8.20744	0.99	7.92990		104	70 - 130			
trans-1,3-Dichloropropene	8.80490	1.1	9.07722		97.0	70 - 130			
Trichloroethene	10.6399	1.3	10.7474		99.0	70 - 130			
Trichlorofluoromethane	12.0793	1.4	11.2366		108	70 - 130			
Vinyl acetate	7.81667	0.88	7.04204		111	70 - 130			
Vinyl chloride	5.03563	0.64	5.11231		98.5	70 - 130			
Surrogate: 4-Bromofluorobenzene	*21.19*		*17.8935*		*118*	*79.2 - 147*			
LCS Dup (B6K1060-BSD1)				Prepared: 11/28/2016 Analyzed: 11/28/2016					
1,1,1,2-Tetrachloroethane	14.1418	1.7	13.7299		103	70 - 130	7.48	20	
1,1,1-Trichloroethane	11.4579	1.4	10.9123		105	70 - 130	0.475	20	
1,1,2,2-Tetrachloroethane	14.6910	1.7	13.7299		107	70 - 130	11.0	20	
1,1,2-Trichloroethane	10.0393	1.6	10.9123		92.0	70 - 130	1.09	20	
1,1-Dichloroethane	8.49954	1.0	8.09480		105	70 - 130	1.44	20	

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Volatile Organic Compounds in AIR by TO-15 (ug/m3) - Quality Control (cont'd)

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6K1060 - No_Prep_AIR (continued)									
LCS Dup (B6K1060-BSD1) - Continued				Prepared: 11/28/2016 Analyzed: 11/28/2016					
1,1-Dichloroethene	8.32639	0.99	7.92990		105	70 - 130	0.957	20	
1,1-Dichloropropene	8.57797	1.1	9.07722		94.5	70 - 130	5.15	20	
1,2,3-Trichloropropane	17.7278	1.5	12.0597		147	70 - 130	1.37	20	L5
1,2,4-Trichlorobenzene	27.2354	1.9	14.8422		184	70 - 130	2.48	20	L5
1,2,4-Trimethylbenzene	11.0115	1.2	9.83166		112	70 - 130	8.55	20	
1,2-Dibromo-3-chloropropane	30.6410	2.4	19.3319		158	70 - 130	3.53	20	L5
1,2-Dibromoethane	15.9816	1.9	15.3670		104	70 - 130	3.92	20	
1,2-Dichlorobenzene	13.1670	1.5	12.0246		110	70 - 130	8.73	20	
1,2-Dichloroethane	7.97338	1.0	8.09480		98.5	70 - 130	2.01	20	
1,2-Dichloropropane	8.78002	1.2	9.24213		95.0	70 - 130	2.67	20	
1,3,5-Trimethylbenzene	10.8640	1.2	9.83166		110	70 - 130	10.7	20	
1,3-Butadiene	4.77850	0.55	4.42454		108	70 - 130	3.77	20	
1,3-Dichlorobenzene	13.1068	1.5	12.0246		109	70 - 130	10.8	20	
1,4-Dichlorobenzene	13.2872	1.5	12.0246		110	70 - 130	9.07	20	
1,4-Dioxane	7.71144	0.90	7.20695		107	70 - 130	1.85	20	
2,2,4-Trimethylpentane	9.29717	1.2	9.34388		99.5	70 - 130	1.00	20	
2-Butanone	6.10468	0.74	5.89824		104	70 - 130	3.94	20	
2-Chloroethyl vinyl ether	8.62867	1.1	8.71583		99.0	70 - 130	2.00	20	
2-Chlorotoluene	11.6487	1.3	10.3544		112	70 - 130	8.10	20	
2-Hexanone	8.02911	1.0	8.19296		98.0	70 - 130	2.58	20	
2-Propanol	5.55433	0.61	4.91534		113	70 - 130	5.45	20	
4-Chlorotoluene	14.3409	1.3	10.3544		138	70 - 130	1.45	20	L5
4-Ethyl Toluene	10.5690	1.2	9.83166		108	70 - 130	13.4	20	
4-Methyl-2-pentanone	7.90621	1.0	8.19296		96.5	70 - 130	2.05	20	
Acetone	5.20217	0.59	4.75084		110	70 - 130	5.63	20	
Acetonitrile	3.84495	0.42	3.35804		114	70 - 130	10.6	20	
Acrolein	3.57703	0.57	4.58593		78.0	70 - 130	9.17	20	
Acrylonitrile	4.36223	0.54	4.34053		100	70 - 130	2.01	20	
Benzene	6.03810	0.80	6.38953		94.5	70 - 130	3.13	20	
Benzyl chloride	11.8558	1.3	10.3544		114	70 - 130	10.4	20	
Bromobenzene	16.9530	1.6	12.8432		132	70 - 130	2.69	20	L5
Bromodichloromethane	13.3341	1.7	13.4011		99.5	70 - 130	1.00	20	
Bromoform	22.7406	2.6	20.6733		110	70 - 130	10.8	20	
Bromomethane	8.23193	0.97	7.76597		106	70 - 130	3.36	20	
Carbon disulfide	6.38418	0.78	6.22847		102	70 - 130	0.487	20	
Carbon tetrachloride	12.5197	1.6	12.5826		99.5	70 - 130	2.03	20	
Chlorobenzene	10.0818	1.2	9.20712		110	70 - 130	9.15	20	
Chloroethane	5.59385	0.66	5.27722		106	70 - 130	4.83	20	
Chloroform	10.0579	1.2	9.76499		103	70 - 130	2.40	20	
Chloromethane	4.29501	0.52	4.12982		104	70 - 130	4.93	20	
cis-1,2-Dichloroethene	8.52464	0.99	7.92990		108	70 - 130	0.466	20	
cis-1,3-Dichloropropene	9.16802	1.1	9.07724		101	70 - 130	0.494	20	

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Volatile Organic Compounds in AIR by TO-15 (ug/m3) - Quality Control (cont'd)

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B6K1060 - No_Prep_AIR (continued)									
LCS Dup (B6K1060-BSD1) - Continued				Prepared: 11/28/2016 Analyzed: 11/28/2016					
Cyclohexane	6.91868	0.86	6.88425		100	70 - 130	1.00	20	
Dibromochloromethane	17.8038	2.1	17.0371		104	70 - 130	16.3	20	
Dibromomethane	14.8595	1.8	14.2196		104	70 - 130	2.36	20	
Dichlorodifluoromethane	11.4731	1.2	9.89063		116	70 - 130	0.866	20	
Dichlorotetrafluoroethane	17.0570	1.7	13.9812		122	70 - 130	3.76	20	
Ethanol	4.12634	0.47	3.76834		110	70 - 130	5.63	20	
Ethylbenzene	9.85663	1.1	8.68425		114	70 - 130	8.03	20	
Freon-113	16.0936	1.9	15.3272		105	70 - 130	0.475	20	
Hexachlorobutadiene	36.5809	2.7	21.3300		172	70 - 130	1.47	20	L5
Isopropylbenzene	10.6674	1.2	9.83166		108	70 - 130	10.5	20	
m,p-Xylene	38.4712	4.3	34.7370		111	70 - 130	10.7	20	
Methylene chloride	7.12109	0.87	6.94740		102	70 - 130	3.36	20	
MTBE	7.57099	0.90	7.21047		105	70 - 130	1.89	20	
n-Butylbenzene	12.2416	1.4	10.9790		112	70 - 130	8.99	20	
n-Propylbenzene	11.0115	1.2	9.83166		112	70 - 130	8.96	20	
Naphthalene	12.6860	1.3	10.4843		121	70 - 130	4.84	20	
o-Xylene	9.63952	1.1	8.68425		111	70 - 130	10.7	20	
p-Isopropyltoluene	15.7548	1.4	10.9790		143	70 - 130	0.349	20	L5
sec-Butylbenzene	12.0769	1.4	10.9790		110	70 - 130	9.94	20	
Styrene	9.62686	1.1	8.51934		113	70 - 130	9.28	20	
tert-Butylbenzene	12.5709	1.4	10.9790		114	70 - 130	10.4	20	
Tetrachloroethene	15.3284	1.7	13.5650		113	70 - 130	4.75	20	
Toluene	7.46151	0.94	7.53688		99.0	70 - 130	15.8	20	
trans-1,2-Dichloroethene	8.08850	0.99	7.92990		102	70 - 130	1.46	20	
trans-1,3-Dichloropropene	8.94106	1.1	9.07722		98.5	70 - 130	1.53	20	
Trichloroethene	10.6937	1.3	10.7474		99.5	70 - 130	0.504	20	
Trichlorofluoromethane	12.1917	1.4	11.2366		108	70 - 130	0.926	20	
Vinyl acetate	7.85188	0.88	7.04204		112	70 - 130	0.449	20	
Vinyl chloride	5.34236	0.64	5.11231		104	70 - 130	5.91	20	
Surrogate: 4-Bromofluorobenzene	*18.97*		*17.8935*		*106*	*79.2 - 147*			

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Notes and Definitions

L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
E4	Result value is estimated.
E3	Internal standard recoveries did not meet method acceptance due to matrix interference. Result value is estimated.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page ____ of ____

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver: 20130715

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☐ Client ☐ ATL	1. CHILLED n/a	☐	☐	5. # OF SAMPLES MATCH COC	☐	☐
☐ FedEx ☑ OnTrac	2. HEADSPACE (VOA)	☐	☐	6. PRESERVED	☐	☐
☐ GSO	3. CONTAINER INTACT	☐	☐	7. COOLER TEMP, deg C: —		
☐ Other: ______	4. SEALED	☐	☐			

CUSTOMER

Company: AEI Consultants | Address: 2500 Camino Diablo | Tel: 925-746-6028
City: Walnut Creek | State: CA | Zip: 94597 | Fax: 925-746-6099

SEND REPORT TO:	SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Jeremy Smith — Email: jasmith@aeiconsultants.com	Attn: Nancy Garcia — Email: ngarcia@aeiconsultants.com
Company:	Company: " "
Address: 2500 Camino Diablo	Address: " "
City: Walnut Creek State: CA Zip: 94597	City: " " State: " " Zip: " "

PROJECT SAMPLES

Project Name: Race Street Properties
Quote No:
Special Instructions/Comments:
Project No.: 365735
PO #: 121769
Sampler: Mallory Zaunius

Lab No.: 1604234 -

Encircle or Write Requested Analysis: 8260 / 624 (Volatiles); 8015(GRO); 8015(DRO); 8270(Semi-volatiles); 8081(Organochlorine Pesticides); 8082(PCBs); 6010 / 7000(Title 22 Metals); TO-15

Encircle Sample Matrix: SOIL / SEDIMENT / SLUDGE; SOLIDS / WIPE / FILTER; WATER - DRINKING / GROUND; WATER - STORM / WASTE; AQUEOUS / LAYERED - OIL

TAT

Container: #; Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7 = Canister; Material: 1=Glass; 2=Plastic; 3=Metal

Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 = 4C; 5=Zn ((Ac)2; 6=NaOH; 7=NA2S2O3

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

REMARKS

ITEM	Lab No.	Sample ID / Location	Date	Time	TO-15
1	~~SG1~~ -1	SG-1	11/21/16	1347	X
2	~~S~~ -2	SG-2	↓	1609	X
3	-3	SG-3	↓	1617	X
4					
5					
6					
7					
8					
9					
10					

TERMS

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples Submitted AFTER 3:00 PM, are considered received the following Business day at 8:00 AM.
3. The following turnaround time conditions apply:
   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
4. Weekend, holiday, after-hours work - ask for quote.
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
7. Electronic records maintained for fi ve (5) years from report date.
8. Hard copy reports will be disposed of after 45 calendar days from report date.
9. Storage and Report Fees:
   - Liquid & solid samples: Complimentary storage for forty-fi ve (45) calendar days from receipt of samples; $2/sample/month if extended storage or hold is requested.
   - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; $20/ sample/week if extended storage is requested.
   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reforma? ed report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction on procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Mallory Zaunius — Submitter Print Name
[signature] — Signature

CUSTODY

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Mallory Zaunius [signature]	11/21/16	1900	C. Agut[?] [signature]	11/23/16	1000

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1611B24

Report Created for: AEI Consultants

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

Project Contact: Mallory Zaunius
Project P.O.: 121766
Project Name: 365735

Project Received: 11/21/2016

Analytical Report reviewed & approved for release on 12/01/2016 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 365735
WorkOrder: 1611B24

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
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
WorkOrder: 1611B24

Analytical Qualifiers

J	result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
a3	sample diluted due to high organic content.
e2	diesel range compounds are significant; no recognizable pattern
e6	one to a few isolated peaks present in the TPH(d/mo) chromatogram
e7	oil range compounds are significant

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validates the prep batch.
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:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-0.5	**1611B24-016A**	**Soil**	**11/21/2016 12:30**	**GC23**	**130346**

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.00027	0.0010	1	11/29/2016 16:36
a-BHC	ND	0.00010	0.0010	1	11/29/2016 16:36
b-BHC	ND	0.00025	0.0010	1	11/29/2016 16:36
d-BHC	ND	0.00037	0.0010	1	11/29/2016 16:36
g-BHC	ND	0.000097	0.0010	1	11/29/2016 16:36
Chlordane (Technical)	ND	0.016	0.025	1	11/29/2016 16:36
a-Chlordane	ND	0.00047	0.0010	1	11/29/2016 16:36
g-Chlordane	ND	0.00021	0.0010	1	11/29/2016 16:36
p,p-DDD	ND	0.00014	0.0010	1	11/29/2016 16:36
p,p-DDE	**0.0018**	0.00032	0.0010	1	11/29/2016 16:36
p,p-DDT	**0.0014**	0.00043	0.0010	1	11/29/2016 16:36
Dieldrin	ND	0.00033	0.0010	1	11/29/2016 16:36
Endosulfan I	ND	0.00065	0.0010	1	11/29/2016 16:36
Endosulfan II	ND	0.00020	0.0010	1	11/29/2016 16:36
Endosulfan sulfate	ND	0.00063	0.0010	1	11/29/2016 16:36
Endrin	ND	0.00042	0.0010	1	11/29/2016 16:36
Endrin aldehyde	ND	0.00020	0.0010	1	11/29/2016 16:36
Endrin ketone	ND	0.00013	0.0010	1	11/29/2016 16:36
Heptachlor	ND	0.00021	0.0010	1	11/29/2016 16:36
Heptachlor epoxide	ND	0.00020	0.0010	1	11/29/2016 16:36
Hexachlorobenzene	ND	0.00027	0.010	1	11/29/2016 16:36
Hexachlorocyclopentadiene	ND	0.00040	0.020	1	11/29/2016 16:36
Methoxychlor	ND	0.00089	0.0010	1	11/29/2016 16:36
Toxaphene	ND	0.035	0.050	1	11/29/2016 16:36

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	101	70-130	11/29/2016 16:36

Analyst(s): SS

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-1-0.5	1611B24-001A	Soil	11/21/2016 11:00	GC22	130408

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.054	0.20	200	11/30/2016 16:20
a-BHC	ND	0.020	0.20	200	11/30/2016 16:20
b-BHC	ND	0.050	0.20	200	11/30/2016 16:20
d-BHC	ND	0.074	0.20	200	11/30/2016 16:20
g-BHC	ND	0.019	0.20	200	11/30/2016 16:20
Chlordane (Technical)	ND	3.2	5.0	200	11/30/2016 16:20
a-Chlordane	ND	0.094	0.20	200	11/30/2016 16:20
g-Chlordane	ND	0.042	0.20	200	11/30/2016 16:20
p,p-DDD	ND	0.028	0.20	200	11/30/2016 16:20
p,p-DDE	ND	0.064	0.20	200	11/30/2016 16:20
p,p-DDT	ND	0.086	0.20	200	11/30/2016 16:20
Dieldrin	ND	0.066	0.20	200	11/30/2016 16:20
Endosulfan I	ND	0.13	0.20	200	11/30/2016 16:20
Endosulfan II	ND	0.040	0.20	200	11/30/2016 16:20
Endosulfan sulfate	ND	0.13	0.20	200	11/30/2016 16:20
Endrin	ND	0.19	0.20	200	11/30/2016 16:20
Endrin aldehyde	ND	0.040	0.20	200	11/30/2016 16:20
Endrin ketone	ND	0.026	0.20	200	11/30/2016 16:20
Heptachlor	ND	0.042	0.20	200	11/30/2016 16:20
Heptachlor epoxide	ND	0.040	0.20	200	11/30/2016 16:20
Hexachlorobenzene	ND	0.054	2.0	200	11/30/2016 16:20
Hexachlorocyclopentadiene	ND	0.080	4.0	200	11/30/2016 16:20
Methoxychlor	ND	0.18	0.20	200	11/30/2016 16:20
Toxaphene	ND	7.0	10	200	11/30/2016 16:20

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	79	70-130	11/30/2016 16:20

Analyst(s): CK Analytical Comments: a3

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-2-0.5	1611B24-004A	Soil	11/21/2016 11:40	GC22	130408

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00054	0.0020	2	11/30/2016 08:24
a-BHC	ND		0.00020	0.0020	2	11/30/2016 08:24
b-BHC	ND		0.00050	0.0020	2	11/30/2016 08:24
d-BHC	ND		0.00074	0.0020	2	11/30/2016 08:24
g-BHC	ND		0.00019	0.0020	2	11/30/2016 08:24
Chlordane (Technical)	ND		0.032	0.050	2	11/30/2016 08:24
a-Chlordane	**0.0029**		0.00094	0.0020	2	11/30/2016 08:24
g-Chlordane	**0.0026**		0.00042	0.0020	2	11/30/2016 08:24
p,p-DDD	**0.0018**	J	0.00028	0.0020	2	11/30/2016 08:24
p,p-DDE	**0.0061**		0.00064	0.0020	2	11/30/2016 08:24
p,p-DDT	**0.014**		0.00086	0.0020	2	11/30/2016 08:24
Dieldrin	ND		0.00066	0.0020	2	11/30/2016 08:24
Endosulfan I	**0.0033**		0.0013	0.0020	2	11/30/2016 08:24
Endosulfan II	ND		0.00040	0.0020	2	11/30/2016 08:24
Endosulfan sulfate	ND		0.0013	0.0020	2	11/30/2016 08:24
Endrin	ND		0.0019	0.0020	2	11/30/2016 08:24
Endrin aldehyde	ND		0.00040	0.0020	2	11/30/2016 08:24
Endrin ketone	ND		0.00026	0.0020	2	11/30/2016 08:24
Heptachlor	ND		0.00042	0.0020	2	11/30/2016 08:24
Heptachlor epoxide	ND		0.00040	0.0020	2	11/30/2016 08:24
Hexachlorobenzene	ND		0.00054	0.020	2	11/30/2016 08:24
Hexachlorocyclopentadiene	ND		0.00080	0.040	2	11/30/2016 08:24
Methoxychlor	ND		0.0018	0.0020	2	11/30/2016 08:24
Toxaphene	ND		0.070	0.10	2	11/30/2016 08:24

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	101	70-130	11/30/2016 08:24

Analyst(s): CK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-0.5	**1611B24-010A**	**Soil**	**11/21/2016 13:00**	**GC22**	**130409**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00054	0.0020	2	11/30/2016 08:58
a-BHC	ND		0.00020	0.0020	2	11/30/2016 08:58
b-BHC	ND		0.00050	0.0020	2	11/30/2016 08:58
d-BHC	ND		0.00074	0.0020	2	11/30/2016 08:58
g-BHC	ND		0.00019	0.0020	2	11/30/2016 08:58
Chlordane (Technical)	ND		0.032	0.050	2	11/30/2016 08:58
a-Chlordane	**0.0024**		0.00094	0.0020	2	11/30/2016 08:58
g-Chlordane	**0.0029**		0.00042	0.0020	2	11/30/2016 08:58
p,p-DDD	ND		0.00028	0.0030	2	11/30/2016 08:58
p,p-DDE	**0.070**		0.00064	0.0020	2	11/30/2016 08:58
p,p-DDT	**0.055**		0.00086	0.0020	2	11/30/2016 08:58
Dieldrin	**0.0021**		0.00066	0.0020	2	11/30/2016 08:58
Endosulfan I	**0.0027**		0.0013	0.0020	2	11/30/2016 08:58
Endosulfan II	ND		0.00040	0.0020	2	11/30/2016 08:58
Endosulfan sulfate	ND		0.0013	0.0020	2	11/30/2016 08:58
Endrin	ND		0.0019	0.0020	2	11/30/2016 08:58
Endrin aldehyde	ND		0.00040	0.0020	2	11/30/2016 08:58
Endrin ketone	**0.00065**	J	0.00026	0.0020	2	11/30/2016 08:58
Heptachlor	ND		0.00042	0.0020	2	11/30/2016 08:58
Heptachlor epoxide	ND		0.00040	0.0020	2	11/30/2016 08:58
Hexachlorobenzene	ND		0.00054	0.020	2	11/30/2016 08:58
Hexachlorocyclopentadiene	ND		0.00080	0.040	2	11/30/2016 08:58
Methoxychlor	ND		0.0018	0.0020	2	11/30/2016 08:58
Toxaphene	ND		0.070	0.10	2	11/30/2016 08:58

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	96	70-130	11/30/2016 08:58

Analyst(s): CK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-0.5	**1611B24-013A**	**Soil**	**11/21/2016 12:15**	**GC22**	**130409**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00054	0.0020	2	11/30/2016 09:32
a-BHC	ND		0.00020	0.0020	2	11/30/2016 09:32
b-BHC	ND		0.00050	0.0020	2	11/30/2016 09:32
d-BHC	ND		0.00074	0.0020	2	11/30/2016 09:32
g-BHC	ND		0.00019	0.0020	2	11/30/2016 09:32
Chlordane (Technical)	ND		0.032	0.050	2	11/30/2016 09:32
a-Chlordane	ND		0.00094	0.0020	2	11/30/2016 09:32
g-Chlordane	ND		0.00042	0.0020	2	11/30/2016 09:32
p,p-DDD	**0.00067**	J	0.00028	0.0020	2	11/30/2016 09:32
p,p-DDE	**0.022**		0.00064	0.0020	2	11/30/2016 09:32
p,p-DDT	**0.0080**		0.00086	0.0020	2	11/30/2016 09:32
Dieldrin	ND		0.00066	0.0020	2	11/30/2016 09:32
Endosulfan I	ND		0.0013	0.0020	2	11/30/2016 09:32
Endosulfan II	ND		0.00040	0.0020	2	11/30/2016 09:32
Endosulfan sulfate	ND		0.0013	0.0020	2	11/30/2016 09:32
Endrin	ND		0.0019	0.0020	2	11/30/2016 09:32
Endrin aldehyde	ND		0.00040	0.0020	2	11/30/2016 09:32
Endrin ketone	ND		0.00026	0.0020	2	11/30/2016 09:32
Heptachlor	ND		0.00042	0.0020	2	11/30/2016 09:32
Heptachlor epoxide	ND		0.00040	0.0020	2	11/30/2016 09:32
Hexachlorobenzene	ND		0.00054	0.020	2	11/30/2016 09:32
Hexachlorocyclopentadiene	ND		0.00080	0.040	2	11/30/2016 09:32
Methoxychlor	ND		0.0018	0.0020	2	11/30/2016 09:32
Toxaphene	ND		0.070	0.10	2	11/30/2016 09:32

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	98	70-130	11/30/2016 09:32

Analyst(s): CK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-0.5	1611B24-019A	Soil	11/21/2016 11:15	GC22	130409

Analytes	Result	MDL	RL	DF	Date Analyzed
Aldrin	ND	0.054	0.20	200	11/30/2016 11:14
a-BHC	ND	0.020	0.20	200	11/30/2016 11:14
b-BHC	ND	0.050	0.20	200	11/30/2016 11:14
d-BHC	ND	0.074	0.20	200	11/30/2016 11:14
g-BHC	ND	0.019	0.20	200	11/30/2016 11:14
Chlordane (Technical)	ND	3.2	5.0	200	11/30/2016 11:14
a-Chlordane	ND	0.094	0.20	200	11/30/2016 11:14
g-Chlordane	ND	0.042	0.20	200	11/30/2016 11:14
p,p-DDD	ND	0.028	0.20	200	11/30/2016 11:14
p,p-DDE	ND	0.064	0.20	200	11/30/2016 11:14
p,p-DDT	ND	0.086	0.20	200	11/30/2016 11:14
Dieldrin	ND	0.066	0.20	200	11/30/2016 11:14
Endosulfan I	ND	0.13	0.20	200	11/30/2016 11:14
Endosulfan II	ND	0.040	0.20	200	11/30/2016 11:14
Endosulfan sulfate	ND	0.13	0.20	200	11/30/2016 11:14
Endrin	ND	0.19	0.20	200	11/30/2016 11:14
Endrin aldehyde	ND	0.040	0.20	200	11/30/2016 11:14
Endrin ketone	ND	0.026	0.20	200	11/30/2016 11:14
Heptachlor	ND	0.042	0.20	200	11/30/2016 11:14
Heptachlor epoxide	ND	0.040	0.20	200	11/30/2016 11:14
Hexachlorobenzene	ND	0.054	2.0	200	11/30/2016 11:14
Hexachlorocyclopentadiene	ND	0.080	4.0	200	11/30/2016 11:14
Methoxychlor	ND	0.18	0.20	200	11/30/2016 11:14
Toxaphene	ND	7.0	10	200	11/30/2016 11:14

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	125	70-130	11/30/2016 11:14

Analyst(s): CK Analytical Comments: a3

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-5-0.5	**1611B24-022A**	**Soil**	**11/21/2016 14:00**	**GC22**	**130409**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/30/2016 11:48
a-BHC	ND		0.00010	0.0010	1	11/30/2016 11:48
b-BHC	ND		0.00025	0.0010	1	11/30/2016 11:48
d-BHC	ND		0.00037	0.0010	1	11/30/2016 11:48
g-BHC	ND		0.000097	0.0010	1	11/30/2016 11:48
Chlordane (Technical)	ND		0.016	0.025	1	11/30/2016 11:48
a-Chlordane	**0.00065**	J	0.00047	0.0010	1	11/30/2016 11:48
g-Chlordane	**0.00067**	J	0.00021	0.0010	1	11/30/2016 11:48
p,p-DDD	ND	J	0.00014	0.00080	1	11/30/2016 11:48
p,p-DDE	**0.0035**		0.00032	0.0010	1	11/30/2016 11:48
p,p-DDT	**0.0062**		0.00043	0.0010	1	11/30/2016 11:48
Dieldrin	**0.00040**	J	0.00033	0.0010	1	11/30/2016 11:48
Endosulfan I	ND	J	0.00065	0.00080	1	11/30/2016 11:48
Endosulfan II	ND		0.00020	0.0010	1	11/30/2016 11:48
Endosulfan sulfate	ND		0.00063	0.0010	1	11/30/2016 11:48
Endrin	ND		0.00097	0.0010	1	11/30/2016 11:48
Endrin aldehyde	ND		0.00020	0.0010	1	11/30/2016 11:48
Endrin ketone	ND		0.00013	0.0010	1	11/30/2016 11:48
Heptachlor	ND		0.00021	0.0010	1	11/30/2016 11:48
Heptachlor epoxide	ND		0.00020	0.0010	1	11/30/2016 11:48
Hexachlorobenzene	ND		0.00027	0.010	1	11/30/2016 11:48
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/30/2016 11:48
Methoxychlor	ND		0.00089	0.0010	1	11/30/2016 11:48
Toxaphene	ND		0.035	0.050	1	11/30/2016 11:48

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	95	70-130	11/30/2016 11:48

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6-0.5	**1611B24-025A**	**Soil**	**11/21/2016 14:20**	**GC22**	**130409**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/30/2016 10:06
a-BHC	ND		0.00010	0.0010	1	11/30/2016 10:06
b-BHC	ND		0.00025	0.0010	1	11/30/2016 10:06
d-BHC	ND		0.00037	0.0010	1	11/30/2016 10:06
g-BHC	ND		0.000097	0.0010	1	11/30/2016 10:06
Chlordane (Technical)	ND		0.016	0.025	1	11/30/2016 10:06
a-Chlordane	**0.0012**		0.00047	0.0010	1	11/30/2016 10:06
g-Chlordane	**0.00092**	J	0.00021	0.0010	1	11/30/2016 10:06
p,p-DDD	**0.00021**	J	0.00014	0.0010	1	11/30/2016 10:06
p,p-DDE	**0.00086**	J	0.00032	0.0010	1	11/30/2016 10:06
p,p-DDT	**0.0010**		0.00043	0.0010	1	11/30/2016 10:06
Dieldrin	ND		0.00033	0.0010	1	11/30/2016 10:06
Endosulfan I	**0.0013**		0.00065	0.0010	1	11/30/2016 10:06
Endosulfan II	ND		0.00020	0.0010	1	11/30/2016 10:06
Endosulfan sulfate	ND		0.00063	0.0010	1	11/30/2016 10:06
Endrin	ND		0.00097	0.0010	1	11/30/2016 10:06
Endrin aldehyde	ND		0.00020	0.0010	1	11/30/2016 10:06
Endrin ketone	ND		0.00013	0.0010	1	11/30/2016 10:06
Heptachlor	ND		0.00021	0.0010	1	11/30/2016 10:06
Heptachlor epoxide	ND		0.00020	0.0010	1	11/30/2016 10:06
Hexachlorobenzene	ND		0.00027	0.010	1	11/30/2016 10:06
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/30/2016 10:06
Methoxychlor	ND		0.00089	0.0010	1	11/30/2016 10:06
Toxaphene	ND		0.035	0.050	1	11/30/2016 10:06

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	98	70-130	11/30/2016 10:06

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8-0.5	**1611B24-031A**	**Soil**	**11/21/2016 15:00**	**GC22**	**130409**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00027	0.0010	1	11/30/2016 10:40
a-BHC	ND		0.00010	0.0010	1	11/30/2016 10:40
b-BHC	ND		0.00025	0.0010	1	11/30/2016 10:40
d-BHC	ND		0.00037	0.0010	1	11/30/2016 10:40
g-BHC	ND		0.000097	0.0010	1	11/30/2016 10:40
Chlordane (Technical)	ND		0.016	0.025	1	11/30/2016 10:40
a-Chlordane	**0.00055**	J	0.00047	0.0010	1	11/30/2016 10:40
g-Chlordane	**0.00047**	J	0.00021	0.0010	1	11/30/2016 10:40
p,p-DDD	**0.00041**	J	0.00014	0.0010	1	11/30/2016 10:40
p,p-DDE	**0.0045**		0.00032	0.0010	1	11/30/2016 10:40
p,p-DDT	**0.0022**		0.00043	0.0010	1	11/30/2016 10:40
Dieldrin	ND		0.00033	0.0010	1	11/30/2016 10:40
Endosulfan I	ND		0.00065	0.0010	1	11/30/2016 10:40
Endosulfan II	ND		0.00020	0.0010	1	11/30/2016 10:40
Endosulfan sulfate	ND		0.00063	0.0010	1	11/30/2016 10:40
Endrin	ND		0.00097	0.0010	1	11/30/2016 10:40
Endrin aldehyde	ND		0.00020	0.0010	1	11/30/2016 10:40
Endrin ketone	ND		0.00013	0.0010	1	11/30/2016 10:40
Heptachlor	ND		0.00021	0.0010	1	11/30/2016 10:40
Heptachlor epoxide	ND		0.00020	0.0010	1	11/30/2016 10:40
Hexachlorobenzene	ND		0.00027	0.010	1	11/30/2016 10:40
Hexachlorocyclopentadiene	ND		0.00040	0.020	1	11/30/2016 10:40
Methoxychlor	ND		0.00089	0.0010	1	11/30/2016 10:40
Toxaphene	ND		0.035	0.050	1	11/30/2016 10:40

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	106	70-130	11/30/2016 10:40

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B/3620B
Date Prepared:	11/23/16	**Analytical Method:**	SW8081A
Project:	365735	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-9-0.5	**1611B24-034A**	**Soil**	**11/21/2016 15:20**	**GC22**	**130409**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Aldrin	ND		0.00054	0.0020	2	11/30/2016 12:22
a-BHC	ND		0.00020	0.0020	2	11/30/2016 12:22
b-BHC	ND		0.00050	0.0020	2	11/30/2016 12:22
d-BHC	ND		0.00074	0.0020	2	11/30/2016 12:22
g-BHC	ND		0.00019	0.0020	2	11/30/2016 12:22
Chlordane (Technical)	ND		0.032	0.050	2	11/30/2016 12:22
a-Chlordane	**0.0011**	J	0.00094	0.0020	2	11/30/2016 12:22
g-Chlordane	**0.0013**	J	0.00042	0.0020	2	11/30/2016 12:22
p,p-DDD	**0.00044**	J	0.00028	0.0020	2	11/30/2016 12:22
p,p-DDE	**0.0042**		0.00064	0.0020	2	11/30/2016 12:22
p,p-DDT	**0.0020**		0.00086	0.0020	2	11/30/2016 12:22
Dieldrin	ND		0.00066	0.0020	2	11/30/2016 12:22
Endosulfan I	ND		0.0013	0.0020	2	11/30/2016 12:22
Endosulfan II	ND		0.00040	0.0020	2	11/30/2016 12:22
Endosulfan sulfate	ND		0.0013	0.0020	2	11/30/2016 12:22
Endrin	ND		0.0019	0.0020	2	11/30/2016 12:22
Endrin aldehyde	ND		0.00040	0.0020	2	11/30/2016 12:22
Endrin ketone	ND		0.00026	0.0020	2	11/30/2016 12:22
Heptachlor	ND		0.00042	0.0020	2	11/30/2016 12:22
Heptachlor epoxide	ND		0.00040	0.0020	2	11/30/2016 12:22
Hexachlorobenzene	ND		0.00054	0.020	2	11/30/2016 12:22
Hexachlorocyclopentadiene	ND		0.00080	0.040	2	11/30/2016 12:22
Methoxychlor	ND		0.0018	0.0020	2	11/30/2016 12:22
Toxaphene	ND		0.070	0.10	2	11/30/2016 12:22

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	95	70-130	11/30/2016 12:22

Analyst(s): CK

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8260B
Project:	365735	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-2-3.5	1611B24-006A	Soil	11/21/2016 11:50	GC10	130334

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/29/2016 13:31
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/29/2016 13:31
Benzene	ND	0.0050	1	11/29/2016 13:31
Bromobenzene	ND	0.0050	1	11/29/2016 13:31
Bromochloromethane	ND	0.0050	1	11/29/2016 13:31
Bromodichloromethane	ND	0.0050	1	11/29/2016 13:31
Bromoform	ND	0.0050	1	11/29/2016 13:31
Bromomethane	ND	0.0050	1	11/29/2016 13:31
2-Butanone (MEK)	ND	0.020	1	11/29/2016 13:31
t-Butyl alcohol (TBA)	ND	0.050	1	11/29/2016 13:31
n-Butyl benzene	ND	0.0050	1	11/29/2016 13:31
sec-Butyl benzene	ND	0.0050	1	11/29/2016 13:31
tert-Butyl benzene	ND	0.0050	1	11/29/2016 13:31
Carbon Disulfide	ND	0.0050	1	11/29/2016 13:31
Carbon Tetrachloride	ND	0.0050	1	11/29/2016 13:31
Chlorobenzene	ND	0.0050	1	11/29/2016 13:31
Chloroethane	ND	0.0050	1	11/29/2016 13:31
Chloroform	ND	0.0050	1	11/29/2016 13:31
Chloromethane	ND	0.0050	1	11/29/2016 13:31
2-Chlorotoluene	ND	0.0050	1	11/29/2016 13:31
4-Chlorotoluene	ND	0.0050	1	11/29/2016 13:31
Dibromochloromethane	ND	0.0050	1	11/29/2016 13:31
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/29/2016 13:31
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/29/2016 13:31
Dibromomethane	ND	0.0050	1	11/29/2016 13:31
1,2-Dichlorobenzene	ND	0.0050	1	11/29/2016 13:31
1,3-Dichlorobenzene	ND	0.0050	1	11/29/2016 13:31
1,4-Dichlorobenzene	ND	0.0050	1	11/29/2016 13:31
Dichlorodifluoromethane	ND	0.0050	1	11/29/2016 13:31
1,1-Dichloroethane	ND	0.0050	1	11/29/2016 13:31
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/29/2016 13:31
1,1-Dichloroethene	ND	0.0050	1	11/29/2016 13:31
cis-1,2-Dichloroethene	ND	0.0050	1	11/29/2016 13:31
trans-1,2-Dichloroethene	ND	0.0050	1	11/29/2016 13:31
1,2-Dichloropropane	ND	0.0050	1	11/29/2016 13:31
1,3-Dichloropropane	ND	0.0050	1	11/29/2016 13:31
2,2-Dichloropropane	ND	0.0050	1	11/29/2016 13:31

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8260B
Project:	365735	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-2-3.5	1611B24-006A	Soil	11/21/2016 11:50	GC10	130334

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/29/2016 13:31
cis-1,3-Dichloropropene	ND	0.0050	1	11/29/2016 13:31
trans-1,3-Dichloropropene	ND	0.0050	1	11/29/2016 13:31
Diisopropyl ether (DIPE)	ND	0.0050	1	11/29/2016 13:31
Ethylbenzene	ND	0.0050	1	11/29/2016 13:31
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/29/2016 13:31
Freon 113	ND	0.0050	1	11/29/2016 13:31
Hexachlorobutadiene	ND	0.0050	1	11/29/2016 13:31
Hexachloroethane	ND	0.0050	1	11/29/2016 13:31
2-Hexanone	ND	0.0050	1	11/29/2016 13:31
Isopropylbenzene	ND	0.0050	1	11/29/2016 13:31
4-Isopropyl toluene	ND	0.0050	1	11/29/2016 13:31
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/29/2016 13:31
Methylene chloride	ND	0.0050	1	11/29/2016 13:31
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/29/2016 13:31
Naphthalene	ND	0.0050	1	11/29/2016 13:31
n-Propyl benzene	ND	0.0050	1	11/29/2016 13:31
Styrene	ND	0.0050	1	11/29/2016 13:31
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/29/2016 13:31
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/29/2016 13:31
Tetrachloroethene	ND	0.0050	1	11/29/2016 13:31
Toluene	ND	0.0050	1	11/29/2016 13:31
1,2,3-Trichlorobenzene	ND	0.0050	1	11/29/2016 13:31
1,2,4-Trichlorobenzene	ND	0.0050	1	11/29/2016 13:31
1,1,1-Trichloroethane	ND	0.0050	1	11/29/2016 13:31
1,1,2-Trichloroethane	ND	0.0050	1	11/29/2016 13:31
Trichloroethene	ND	0.0050	1	11/29/2016 13:31
Trichlorofluoromethane	ND	0.0050	1	11/29/2016 13:31
1,2,3-Trichloropropane	ND	0.0050	1	11/29/2016 13:31
1,2,4-Trimethylbenzene	ND	0.0050	1	11/29/2016 13:31
1,3,5-Trimethylbenzene	ND	0.0050	1	11/29/2016 13:31
Vinyl Chloride	ND	0.0050	1	11/29/2016 13:31
Xylenes, Total	ND	0.0050	1	11/29/2016 13:31

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8260B
Project:	365735	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-2-3.5	**1611B24-006A**	**Soil**	**11/21/2016 11:50**	**GC10**	**130334**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	103	70-130		11/29/2016 13:31
Toluene-d8	115	70-130		11/29/2016 13:31
4-BFB	87	70-130		11/29/2016 13:31
Benzene-d6	86	60-140		11/29/2016 13:31
Ethylbenzene-d10	101	60-140		11/29/2016 13:31
1,2-DCB-d4	86	60-140		11/29/2016 13:31

Analyst(s): KF

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8260B
Project:	365735	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-3-3.5	1611B24-009A	Soil	11/21/2016 12:10	GC10	130334

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	11/29/2016 14:12
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/29/2016 14:12
Benzene	ND	0.0050	1	11/29/2016 14:12
Bromobenzene	ND	0.0050	1	11/29/2016 14:12
Bromochloromethane	ND	0.0050	1	11/29/2016 14:12
Bromodichloromethane	ND	0.0050	1	11/29/2016 14:12
Bromoform	ND	0.0050	1	11/29/2016 14:12
Bromomethane	ND	0.0050	1	11/29/2016 14:12
2-Butanone (MEK)	ND	0.020	1	11/29/2016 14:12
t-Butyl alcohol (TBA)	ND	0.050	1	11/29/2016 14:12
n-Butyl benzene	ND	0.0050	1	11/29/2016 14:12
sec-Butyl benzene	ND	0.0050	1	11/29/2016 14:12
tert-Butyl benzene	ND	0.0050	1	11/29/2016 14:12
Carbon Disulfide	ND	0.0050	1	11/29/2016 14:12
Carbon Tetrachloride	ND	0.0050	1	11/29/2016 14:12
Chlorobenzene	ND	0.0050	1	11/29/2016 14:12
Chloroethane	ND	0.0050	1	11/29/2016 14:12
Chloroform	ND	0.0050	1	11/29/2016 14:12
Chloromethane	ND	0.0050	1	11/29/2016 14:12
2-Chlorotoluene	ND	0.0050	1	11/29/2016 14:12
4-Chlorotoluene	ND	0.0050	1	11/29/2016 14:12
Dibromochloromethane	ND	0.0050	1	11/29/2016 14:12
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/29/2016 14:12
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/29/2016 14:12
Dibromomethane	ND	0.0050	1	11/29/2016 14:12
1,2-Dichlorobenzene	ND	0.0050	1	11/29/2016 14:12
1,3-Dichlorobenzene	ND	0.0050	1	11/29/2016 14:12
1,4-Dichlorobenzene	ND	0.0050	1	11/29/2016 14:12
Dichlorodifluoromethane	ND	0.0050	1	11/29/2016 14:12
1,1-Dichloroethane	ND	0.0050	1	11/29/2016 14:12
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/29/2016 14:12
1,1-Dichloroethene	ND	0.0050	1	11/29/2016 14:12
cis-1,2-Dichloroethene	ND	0.0050	1	11/29/2016 14:12
trans-1,2-Dichloroethene	ND	0.0050	1	11/29/2016 14:12
1,2-Dichloropropane	ND	0.0050	1	11/29/2016 14:12
1,3-Dichloropropane	ND	0.0050	1	11/29/2016 14:12
2,2-Dichloropropane	ND	0.0050	1	11/29/2016 14:12

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8260B
Project:	365735	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-3-3.5	1611B24-009A	Soil	11/21/2016 12:10	GC10	130334

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	11/29/2016 14:12
cis-1,3-Dichloropropene	ND	0.0050	1	11/29/2016 14:12
trans-1,3-Dichloropropene	ND	0.0050	1	11/29/2016 14:12
Diisopropyl ether (DIPE)	ND	0.0050	1	11/29/2016 14:12
Ethylbenzene	ND	0.0050	1	11/29/2016 14:12
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/29/2016 14:12
Freon 113	ND	0.0050	1	11/29/2016 14:12
Hexachlorobutadiene	ND	0.0050	1	11/29/2016 14:12
Hexachloroethane	ND	0.0050	1	11/29/2016 14:12
2-Hexanone	ND	0.0050	1	11/29/2016 14:12
Isopropylbenzene	ND	0.0050	1	11/29/2016 14:12
4-Isopropyl toluene	ND	0.0050	1	11/29/2016 14:12
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/29/2016 14:12
Methylene chloride	ND	0.0050	1	11/29/2016 14:12
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/29/2016 14:12
Naphthalene	ND	0.0050	1	11/29/2016 14:12
n-Propyl benzene	ND	0.0050	1	11/29/2016 14:12
Styrene	ND	0.0050	1	11/29/2016 14:12
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/29/2016 14:12
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/29/2016 14:12
Tetrachloroethene	ND	0.0050	1	11/29/2016 14:12
Toluene	ND	0.0050	1	11/29/2016 14:12
1,2,3-Trichlorobenzene	ND	0.0050	1	11/29/2016 14:12
1,2,4-Trichlorobenzene	ND	0.0050	1	11/29/2016 14:12
1,1,1-Trichloroethane	ND	0.0050	1	11/29/2016 14:12
1,1,2-Trichloroethane	ND	0.0050	1	11/29/2016 14:12
Trichloroethene	ND	0.0050	1	11/29/2016 14:12
Trichlorofluoromethane	ND	0.0050	1	11/29/2016 14:12
1,2,3-Trichloropropane	ND	0.0050	1	11/29/2016 14:12
1,2,4-Trimethylbenzene	ND	0.0050	1	11/29/2016 14:12
1,3,5-Trimethylbenzene	ND	0.0050	1	11/29/2016 14:12
Vinyl Chloride	ND	0.0050	1	11/29/2016 14:12
Xylenes, Total	ND	0.0050	1	11/29/2016 14:12

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8260B
Project:	365735	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-3-3.5	**1611B24-009A**	**Soil**	**11/21/2016 12:10**	**GC10**	**130334**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	104	70-130		11/29/2016 14:12
Toluene-d8	115	70-130		11/29/2016 14:12
4-BFB	87	70-130		11/29/2016 14:12
Benzene-d6	82	60-140		11/29/2016 14:12
Ethylbenzene-d10	94	60-140		11/29/2016 14:12
1,2-DCB-d4	82	60-140		11/29/2016 14:12

Analyst(s): KF

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3050B
Date Prepared:	11/23/16	**Analytical Method:**	SW6020
Project:	365735	**Unit:**	mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-1-0.5	**1611B24-001A**	**Soil**	**11/21/2016 11:00**	**ICP-MS3**	**130291**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**4.5**	0.50	1	11/30/2016 05:21

Surrogates	REC (%)	Limits	
Terbium	106	70-130	11/30/2016 05:21

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SG-2-0.5	**1611B24-004A**	**Soil**	**11/21/2016 11:40**	**ICP-MS3**	**130291**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**6.1**	0.50	1	11/30/2016 05:27

Surrogates	REC (%)	Limits	
Terbium	103	70-130	11/30/2016 05:27

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-0.5	**1611B24-013A**	**Soil**	**11/21/2016 12:15**	**ICP-MS2**	**130347**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**17**	0.50	1	11/28/2016 15:29

Surrogates	REC (%)	Limits	
Terbium	96	70-130	11/28/2016 15:29

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-5-0.5	**1611B24-022A**	**Soil**	**11/21/2016 14:00**	**ICP-MS3**	**130347**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**1.2**	0.50	1	11/30/2016 05:33

Surrogates	REC (%)	Limits	
Terbium	105	70-130	11/30/2016 05:33

Analyst(s): BBO

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3050B
Date Prepared:	11/23/16	**Analytical Method:**	SW6020
Project:	365735	**Unit:**	mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6-0.5	**1611B24-025A**	**Soil**	**11/21/2016 14:20**	**ICP-MS3**	**130347**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**5.1**	0.50	1	11/30/2016 05:40

Surrogates	REC (%)	Limits	
Terbium	104	70-130	11/30/2016 05:40

Analyst(s): BBO

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3050B
Date Prepared:	11/23/16	**Analytical Method:**	SW6020
Project:	365735	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-0.5	**1611B24-010A**	**Soil**	**11/21/2016 13:00**	**ICP-MS3**	**130347**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.1**	0.50	1	11/30/2016 04:31
Arsenic	**8.4**	0.50	1	11/30/2016 04:31
Barium	**190**	5.0	1	11/30/2016 04:31
Beryllium	ND	0.50	1	11/30/2016 04:31
Cadmium	**0.75**	0.25	1	11/30/2016 04:31
Chromium	**51**	0.50	1	11/30/2016 04:31
Cobalt	**11**	0.50	1	11/30/2016 04:31
Copper	**39**	0.50	1	11/30/2016 04:31
Lead	**190**	0.50	1	11/30/2016 04:31
Mercury	**0.54**	0.050	1	11/30/2016 04:31
Molybdenum	**0.96**	0.50	1	11/30/2016 04:31
Nickel	**65**	0.50	1	11/30/2016 04:31
Selenium	ND	0.50	1	11/30/2016 04:31
Silver	ND	0.50	1	11/30/2016 04:31
Thallium	ND	0.50	1	11/30/2016 04:31
Vanadium	**43**	0.50	1	11/30/2016 04:31
Zinc	**230**	5.0	1	11/30/2016 04:31

Surrogates	REC (%)	Limits	
Terbium	106	70-130	11/30/2016 04:31

Analyst(s): BBO

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3050B
Date Prepared:	11/23/16	**Analytical Method:**	SW6020
Project:	365735	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-0.5	**1611B24-016A**	**Soil**	**11/21/2016 12:30**	**ICP-MS3**	**130347**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.50**	0.50	1	11/30/2016 04:37
Arsenic	**5.4**	0.50	1	11/30/2016 04:37
Barium	**130**	5.0	1	11/30/2016 04:37
Beryllium	**0.57**	0.50	1	11/30/2016 04:37
Cadmium	ND	0.25	1	11/30/2016 04:37
Chromium	**45**	0.50	1	11/30/2016 04:37
Cobalt	**9.6**	0.50	1	11/30/2016 04:37
Copper	**28**	0.50	1	11/30/2016 04:37
Lead	**11**	0.50	1	11/30/2016 04:37
Mercury	**0.071**	0.050	1	11/30/2016 04:37
Molybdenum	**0.77**	0.50	1	11/30/2016 04:37
Nickel	**61**	0.50	1	11/30/2016 04:37
Selenium	ND	0.50	1	11/30/2016 04:37
Silver	ND	0.50	1	11/30/2016 04:37
Thallium	ND	0.50	1	11/30/2016 04:37
Vanadium	**41**	0.50	1	11/30/2016 04:37
Zinc	**62**	5.0	1	11/30/2016 04:37

Surrogates	REC (%)	Limits	
Terbium	100	70-130	11/30/2016 04:37

Analyst(s): BBO

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3050B
Date Prepared:	11/23/16	**Analytical Method:**	SW6020
Project:	365735	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-0.5	**1611B24-019A**	**Soil**	**11/21/2016 11:15**	**ICP-MS3**	**130347**

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	11/30/2016 04:44
Arsenic	**5.3**	0.50	1	11/30/2016 04:44
Barium	**250**	5.0	1	11/30/2016 04:44
Beryllium	ND	0.50	1	11/30/2016 04:44
Cadmium	ND	0.25	1	11/30/2016 04:44
Chromium	**86**	0.50	1	11/30/2016 04:44
Cobalt	**12**	0.50	1	11/30/2016 04:44
Copper	**16**	0.50	1	11/30/2016 04:44
Lead	**6.0**	0.50	1	11/30/2016 04:44
Mercury	**0.084**	0.050	1	11/30/2016 04:44
Molybdenum	**0.62**	0.50	1	11/30/2016 04:44
Nickel	**150**	0.50	1	11/30/2016 04:44
Selenium	ND	0.50	1	11/30/2016 04:44
Silver	ND	0.50	1	11/30/2016 04:44
Thallium	ND	0.50	1	11/30/2016 04:44
Vanadium	**39**	0.50	1	11/30/2016 04:44
Zinc	**42**	5.0	1	11/30/2016 04:44

Surrogates	REC (%)	Limits	
Terbium	110	70-130	11/30/2016 04:44

Analyst(s): BBO

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3050B
Date Prepared:	11/23/16	**Analytical Method:**	SW6020
Project:	365735	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-7-0.5	**1611B24-028A**	**Soil**	**11/21/2016 14:35**	**ICP-MS3**	**130347**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.61**	0.50	1	11/30/2016 04:50
Arsenic	**7.1**	0.50	1	11/30/2016 04:50
Barium	**200**	5.0	1	11/30/2016 04:50
Beryllium	**0.79**	0.50	1	11/30/2016 04:50
Cadmium	**0.28**	0.25	1	11/30/2016 04:50
Chromium	**61**	0.50	1	11/30/2016 04:50
Cobalt	**15**	0.50	1	11/30/2016 04:50
Copper	**39**	0.50	1	11/30/2016 04:50
Lead	**10**	0.50	1	11/30/2016 04:50
Mercury	**0.056**	0.050	1	11/30/2016 04:50
Molybdenum	**1.0**	0.50	1	11/30/2016 04:50
Nickel	**82**	0.50	1	11/30/2016 04:50
Selenium	**0.51**	0.50	1	11/30/2016 04:50
Silver	ND	0.50	1	11/30/2016 04:50
Thallium	ND	0.50	1	11/30/2016 04:50
Vanadium	**55**	0.50	1	11/30/2016 04:50
Zinc	**94**	5.0	1	11/30/2016 04:50

Surrogates	REC (%)	Limits	
Terbium	102	70-130	11/30/2016 04:50

Analyst(s): BBO

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3050B
Date Prepared:	11/23/16	**Analytical Method:**	SW6020
Project:	365735	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-9-0.5	**1611B24-034A**	**Soil**	**11/21/2016 15:20**	**ICP-MS3**	**130347**

Analytes	Result	RL	DF	Date Analyzed
Antimony	**0.98**	0.50	1	11/30/2016 04:56
Arsenic	**6.8**	0.50	1	11/30/2016 04:56
Barium	**230**	5.0	1	11/30/2016 04:56
Beryllium	**0.58**	0.50	1	11/30/2016 04:56
Cadmium	**0.52**	0.25	1	11/30/2016 04:56
Chromium	**46**	0.50	1	11/30/2016 04:56
Cobalt	**10**	0.50	1	11/30/2016 04:56
Copper	**38**	0.50	1	11/30/2016 04:56
Lead	**340**	0.50	1	11/30/2016 04:56
Mercury	**0.26**	0.050	1	11/30/2016 04:56
Molybdenum	**0.82**	0.50	1	11/30/2016 04:56
Nickel	**60**	0.50	1	11/30/2016 04:56
Selenium	ND	0.50	1	11/30/2016 04:56
Silver	ND	0.50	1	11/30/2016 04:56
Thallium	ND	0.50	1	11/30/2016 04:56
Vanadium	**41**	0.50	1	11/30/2016 04:56
Zinc	**260**	5.0	1	11/30/2016 04:56

Surrogates	REC (%)	Limits	
Terbium	101	70-130	11/30/2016 04:56

Analyst(s): BBO

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8021B/8015Bm
Project:	365735	**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-1-0.5	**1611B24-010A**	**Soil**	**11/21/2016 13:00**	**GC19**	**130349**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/28/2016 19:55
MTBE	---	0.050	1	11/28/2016 19:55
Benzene	---	0.0050	1	11/28/2016 19:55
Toluene	---	0.0050	1	11/28/2016 19:55
Ethylbenzene	---	0.0050	1	11/28/2016 19:55
Xylenes	---	0.015	1	11/28/2016 19:55

Surrogates	REC (%)	Limits	
2-Fluorotoluene	105	69-117	11/28/2016 19:55

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-0.5	**1611B24-013A**	**Soil**	**11/21/2016 12:15**	**GC12**	**130349**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/29/2016 20:41
MTBE	---	0.050	1	11/29/2016 20:41
Benzene	---	0.0050	1	11/29/2016 20:41
Toluene	---	0.0050	1	11/29/2016 20:41
Ethylbenzene	---	0.0050	1	11/29/2016 20:41
Xylenes	---	0.015	1	11/29/2016 20:41

Surrogates	REC (%)	Limits	
2-Fluorotoluene	86	69-117	11/29/2016 20:41

Analyst(s): IA

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8021B/8015Bm
Project:	365735	**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-3-0.5	1611B24-016A	Soil	11/21/2016 12:30	GC7	130349

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/28/2016 15:02
MTBE	---	0.050	1	11/28/2016 15:02
Benzene	---	0.0050	1	11/28/2016 15:02
Toluene	---	0.0050	1	11/28/2016 15:02
Ethylbenzene	---	0.0050	1	11/28/2016 15:02
Xylenes	---	0.015	1	11/28/2016 15:02

Surrogates	REC (%)	Limits	
2-Fluorotoluene	92	69-117	11/28/2016 15:02

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-0.5	1611B24-019A	Soil	11/21/2016 11:15	GC12	130349

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/29/2016 20:09
MTBE	---	0.050	1	11/29/2016 20:09
Benzene	---	0.0050	1	11/29/2016 20:09
Toluene	---	0.0050	1	11/29/2016 20:09
Ethylbenzene	---	0.0050	1	11/29/2016 20:09
Xylenes	---	0.015	1	11/29/2016 20:09

Surrogates	REC (%)	Limits	
aaa-TFT	101	70-130	11/29/2016 20:09

Analyst(s): IA

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8021B/8015Bm
Project:	365735	**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-5-0.5	1611B24-022A	Soil	11/21/2016 14:00	GC12	130349

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/29/2016 00:13
MTBE	---	0.050	1	11/29/2016 00:13
Benzene	---	0.0050	1	11/29/2016 00:13
Toluene	---	0.0050	1	11/29/2016 00:13
Ethylbenzene	---	0.0050	1	11/29/2016 00:13
Xylenes	---	0.015	1	11/29/2016 00:13

Surrogates	REC (%)	Limits	
2-Fluorotoluene	100	69-117	11/29/2016 00:13

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6-0.5	1611B24-025A	Soil	11/21/2016 14:20	GC12	130349

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/29/2016 21:13
MTBE	---	0.050	1	11/29/2016 21:13
Benzene	---	0.0050	1	11/29/2016 21:13
Toluene	---	0.0050	1	11/29/2016 21:13
Ethylbenzene	---	0.0050	1	11/29/2016 21:13
Xylenes	---	0.015	1	11/29/2016 21:13

Surrogates	REC (%)	Limits	
2-Fluorotoluene	84	69-117	11/29/2016 21:13

Analyst(s): IA

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8021B/8015Bm
Project:	365735	**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-7-0.5	1611B24-028A	Soil	11/21/2016 14:35	GC12	130349

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/29/2016 00:45
MTBE	---	0.050	1	11/29/2016 00:45
Benzene	---	0.0050	1	11/29/2016 00:45
Toluene	---	0.0050	1	11/29/2016 00:45
Ethylbenzene	---	0.0050	1	11/29/2016 00:45
Xylenes	---	0.015	1	11/29/2016 00:45

Surrogates	REC (%)	Limits	
2-Fluorotoluene	89	69-117	11/29/2016 00:45

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8-0.5	1611B24-031A	Soil	11/21/2016 15:00	GC12	130349

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/29/2016 02:21
MTBE	---	0.050	1	11/29/2016 02:21
Benzene	---	0.0050	1	11/29/2016 02:21
Toluene	---	0.0050	1	11/29/2016 02:21
Ethylbenzene	---	0.0050	1	11/29/2016 02:21
Xylenes	---	0.015	1	11/29/2016 02:21

Surrogates	REC (%)	Limits	
2-Fluorotoluene	88	69-117	11/29/2016 02:21

Analyst(s): IA

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW5030B
Date Prepared:	11/23/16	**Analytical Method:**	SW8021B/8015Bm
Project:	365735	**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-9-0.5	1611B24-034A	Soil	11/21/2016 15:20	GC12	130349

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/29/2016 03:24
MTBE	---	0.050	1	11/29/2016 03:24
Benzene	---	0.0050	1	11/29/2016 03:24
Toluene	---	0.0050	1	11/29/2016 03:24
Ethylbenzene	---	0.0050	1	11/29/2016 03:24
Xylenes	---	0.015	1	11/29/2016 03:24

Surrogates	REC (%)	Limits	
2-Fluorotoluene	86	69-117	11/29/2016 03:24

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-10-0.5	1611B24-037A	Soil	11/21/2016 15:35	GC12	130349

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	11/29/2016 02:52
MTBE	---	0.050	1	11/29/2016 02:52
Benzene	---	0.0050	1	11/29/2016 02:52
Toluene	---	0.0050	1	11/29/2016 02:52
Ethylbenzene	---	0.0050	1	11/29/2016 02:52
Xylenes	---	0.015	1	11/29/2016 02:52

Surrogates	REC (%)	Limits	
2-Fluorotoluene	89	69-117	11/29/2016 02:52

Analyst(s): IA

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B
Date Prepared:	11/23/16	**Analytical Method:**	SW8015B
Project:	365735	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-0.5	**1611B24-010A**	**Soil**	**11/21/2016 13:00**	**GC11B**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.9**	1.0	1	11/29/2016 01:03
TPH-Motor Oil (C18-C36)	**47**	5.0	1	11/29/2016 01:03

Surrogates	REC (%)	Limits	
C9	94	72-114	11/29/2016 01:03

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-0.5	**1611B24-013A**	**Soil**	**11/21/2016 12:15**	**GC11B**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**8.5**	1.0	1	11/28/2016 20:31
TPH-Motor Oil (C18-C36)	**69**	5.0	1	11/28/2016 20:31

Surrogates	REC (%)	Limits	
C9	95	72-114	11/28/2016 20:31

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-0.5	**1611B24-016A**	**Soil**	**11/21/2016 12:30**	**GC11A**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.9**	1.0	1	11/28/2016 19:52
TPH-Motor Oil (C18-C36)	ND	5.0	1	11/28/2016 19:52

Surrogates	REC (%)	Limits	
C9	99	72-114	11/28/2016 19:52

Analyst(s): TK Analytical Comments: e6,e2

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B
Date Prepared:	11/23/16	**Analytical Method:**	SW8015B
Project:	365735	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-0.5	**1611B24-019A**	**Soil**	**11/21/2016 11:15**	**GC6A**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**140**	50	50	11/29/2016 15:59
TPH-Motor Oil (C18-C36)	**2500**	250	50	11/29/2016 15:59

Surrogates	REC (%)	Limits	
C9	112	72-114	11/29/2016 15:59

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-5-0.5	**1611B24-022A**	**Soil**	**11/21/2016 14:00**	**GC11B**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.2**	1.0	1	11/28/2016 17:55
TPH-Motor Oil (C18-C36)	**8.7**	5.0	1	11/28/2016 17:55

Surrogates	REC (%)	Limits	
C9	94	72-114	11/28/2016 17:55

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6-0.5	**1611B24-025A**	**Soil**	**11/21/2016 14:20**	**GC11B**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	11/28/2016 23:06
TPH-Motor Oil (C18-C36)	**7.4**	5.0	1	11/28/2016 23:06

Surrogates	REC (%)	Limits	
C9	95	72-114	11/28/2016 23:06

Analyst(s): TK Analytical Comments: e7

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B
Date Prepared:	11/23/16	**Analytical Method:**	SW8015B
Project:	365735	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-7-0.5	**1611B24-028A**	**Soil**	**11/21/2016 14:35**	**GC9b**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	11/28/2016 23:38
TPH-Motor Oil (C18-C36)	ND	5.0	1	11/28/2016 23:38

Surrogates	REC (%)	Limits	
C9	84	72-114	11/28/2016 23:38

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8-0.5	**1611B24-031A**	**Soil**	**11/21/2016 15:00**	**GC11B**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	11/28/2016 16:37
TPH-Motor Oil (C18-C36)	ND	5.0	1	11/28/2016 16:37

Surrogates	REC (%)	Limits	
C9	94	72-114	11/28/2016 16:37

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-9-0.5	**1611B24-034A**	**Soil**	**11/21/2016 15:20**	**GC11B**	**130260**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**6.0**	1.0	1	11/28/2016 18:34
TPH-Motor Oil (C18-C36)	**58**	5.0	1	11/28/2016 18:34

Surrogates	REC (%)	Limits	
C9	94	72-114	11/28/2016 18:34

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

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Received:	11/21/16 18:50	**Extraction Method:**	SW3550B
Date Prepared:	11/23/16	**Analytical Method:**	SW8015B
Project:	365735	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-10-0.5	**1611B24-037A**	**Soil**	**11/21/2016 15:35**	**GC9b**	**130348**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**27**	1.0	1	11/28/2016 19:07
TPH-Motor Oil (C18-C36)	**120**	5.0	1	11/28/2016 19:07

Surrogates	REC (%)	Limits	
C9	84	72-114	11/28/2016 19:07

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

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130346
Date Analyzed:	11/29/16	**Extraction Method:**	SW3550B
Instrument:	GC20, GC22	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735	**Sample ID:**	MB/LCS-130346

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0409	0.0010	0.050	-	82	70-130
a-BHC	ND	-	0.0010	-	-	-	-
b-BHC	ND	-	0.0010	-	-	-	-
d-BHC	ND	-	0.0010	-	-	-	-
g-BHC	ND	0.0454	0.0010	0.050	-	91	70-130
Chlordane (Technical)	ND	-	0.025	-	-	-	-
a-Chlordane	ND	-	0.0010	-	-	-	-
g-Chlordane	ND	-	0.0010	-	-	-	-
p,p-DDD	ND	-	0.0010	-	-	-	-
p,p-DDE	ND	-	0.0010	-	-	-	-
p,p-DDT	ND	0.0352	0.0010	0.050	-	70	70-130
Dieldrin	ND	0.0502	0.0010	0.050	-	100	70-130
Endosulfan I	ND	-	0.0010	-	-	-	-
Endosulfan II	ND	-	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.0010	-	-	-	-
Endrin	ND	0.0429	0.0010	0.050	-	86	70-130
Endrin aldehyde	ND	-	0.0010	-	-	-	-
Endrin ketone	ND	-	0.0010	-	-	-	-
Heptachlor	ND	0.0449	0.0010	0.050	-	90	70-130
Heptachlor epoxide	ND	-	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.020	-	-	-	-
Methoxychlor	ND	-	0.0010	-	-	-	-
Toxaphene	ND	-	0.050	-	-	-	-
Surrogate Recovery							
Decachlorobiphenyl	0.0507	0.0473		0.050	101	95	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/22/16	**BatchID:**	130408
Date Analyzed:	11/30/16	**Extraction Method:**	SW3550B/3620B
Instrument:	GC22	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735	**Sample ID:**	MB/LCS-130408

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0534	0.0010	0.050	-	107	70-130
a-BHC	ND	-	0.0010	-	-	-	-
b-BHC	ND	-	0.0010	-	-	-	-
d-BHC	ND	-	0.0010	-	-	-	-
g-BHC	ND	0.0558	0.0010	0.050	-	112	70-130
Chlordane (Technical)	ND	-	0.025	-	-	-	-
a-Chlordane	ND	-	0.0010	-	-	-	-
g-Chlordane	ND	-	0.0010	-	-	-	-
p,p-DDD	ND	-	0.0010	-	-	-	-
p,p-DDE	ND	-	0.0010	-	-	-	-
p,p-DDT	ND	0.0562	0.0010	0.050	-	112	70-130
Dieldrin	ND	0.0638	0.0010	0.050	-	128	70-130
Endosulfan I	ND	-	0.0010	-	-	-	-
Endosulfan II	ND	-	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.0010	-	-	-	-
Endrin	ND	0.0485	0.0010	0.050	-	97	70-130
Endrin aldehyde	ND	-	0.0010	-	-	-	-
Endrin ketone	ND	-	0.0010	-	-	-	-
Heptachlor	ND	0.0574	0.0010	0.050	-	115	70-130
Heptachlor epoxide	ND	-	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.020	-	-	-	-
Methoxychlor	ND	-	0.0010	-	-	-	-
Toxaphene	ND	-	0.050	-	-	-	-
Surrogate Recovery							
Decachlorobiphenyl	0.0507	0.0517		0.050	101	103	70-130

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130409
Date Analyzed:	11/30/16	**Extraction Method:**	SW3550B/3620B
Instrument:	GC22	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735	**Sample ID:**	MB/LCS-130409

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0538	0.0010	0.050	-	108	70-130
a-BHC	ND	-	0.0010	-	-	-	-
b-BHC	ND	-	0.0010	-	-	-	-
d-BHC	ND	-	0.0010	-	-	-	-
g-BHC	ND	0.0558	0.0010	0.050	-	112	70-130
Chlordane (Technical)	ND	-	0.025	-	-	-	-
a-Chlordane	ND	-	0.0010	-	-	-	-
g-Chlordane	ND	-	0.0010	-	-	-	-
p,p-DDD	ND	-	0.0010	-	-	-	-
p,p-DDE	ND	-	0.0010	-	-	-	-
p,p-DDT	ND	0.0576	0.0010	0.050	-	115	70-130
Dieldrin	ND	0.0649	0.0010	0.050	-	130	70-130
Endosulfan I	ND	-	0.0010	-	-	-	-
Endosulfan II	ND	-	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.0010	-	-	-	-
Endrin	ND	0.0490	0.0010	0.050	-	98	70-130
Endrin aldehyde	ND	-	0.0010	-	-	-	-
Endrin ketone	ND	-	0.0010	-	-	-	-
Heptachlor	ND	0.0553	0.0010	0.050	-	111	70-130
Heptachlor epoxide	ND	-	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.020	-	-	-	-
Methoxychlor	ND	-	0.0010	-	-	-	-
Toxaphene	ND	-	0.050	-	-	-	-
Surrogate Recovery							
Decachlorobiphenyl	0.0545	0.0549		0.050	109	110	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/22/16	**BatchID:**	130260
Date Analyzed:	11/23/16	**Extraction Method:**	SW3550B
Instrument:	GC9a, GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735	**Sample ID:**	MB/LCS-130260 1611A69-005AMS/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	36.8	1.0	40	-	92	91-127
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	21.3	24.2		25	85	97	74-110

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	42.1	42.8	40	ND	105	107	74-143	1.66	30
Surrogate Recovery									
C9	24.9	24.3	25		100	97	72-114	2.60	30

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Quality Control Report

Client: AEI Consultants
Date Prepared: 11/23/16
Date Analyzed: 11/23/16 - 11/26/16
Instrument: GC10
Matrix: Soil
Project: 365735

WorkOrder: 1611B24
BatchID: 130334
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg
Sample ID: MB/LCS-130334
1611B16-005AMS/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	0.0409	0.0050	0.050	-	82	53-116
Benzene	ND	0.0472	0.0050	0.050	-	94	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	0.152	0.050	0.20	-	76	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	0.0491	0.0050	0.050	-	98	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	0.0448	0.0040	0.050	-	90	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	0.0425	0.0040	0.050	-	85	58-135
1,1-Dichloroethene	ND	0.0472	0.0050	0.050	-	94	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:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130334
Date Analyzed:	11/23/16 - 11/26/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735	**Sample ID:**	MB/LCS-130334 1611B16-005AMS/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	0.0402	0.0050	0.050	-	80	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0426	0.0050	0.050	-	85	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	0.0409	0.0050	0.050	-	82	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	0.0516	0.0050	0.050	-	103	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	0.0505	0.0050	0.050	-	101	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:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130334
Date Analyzed:	11/23/16 - 11/26/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	365735	**Sample ID:**	MB/LCS-130334 1611B16-005AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.127	0.127		0.12	101	102	70-130
Toluene-d8	0.146	0.148		0.12	117	118	70-130
4-BFB	0.0124	0.0132		0.012	99	106	70-130
Benzene-d6	0.0965	0.0998		0.10	97	100	60-140
Ethylbenzene-d10	0.118	0.120		0.10	118	120	60-140
1,2-DCB-d4	0.0927	0.0962		0.10	93	96	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)	0.0402	0.0433	0.050	ND	80	87	53-116	7.34	20
Benzene	0.0439	0.0470	0.050	ND	88	94	63-137	6.77	20
t-Butyl alcohol (TBA)	0.153	0.223	0.20	ND	77	111	41-135	37,F1	20
Chlorobenzene	0.0437	0.0472	0.050	ND	87	94	77-121	7.50	20
1,2-Dibromoethane (EDB)	0.0411	0.0437	0.050	ND	82	87	67-119	6.12	20
1,2-Dichloroethane (1,2-DCA)	0.0406	0.0438	0.050	ND	81	87	58-135	7.39	20
1,1-Dichloroethene	0.0424	0.0474	0.050	ND	85	95	42-145	11.2	20
Diisopropyl ether (DIPE)	0.0402	0.0426	0.050	ND	80	85	52-129	5.79	20
Ethyl tert-butyl ether (ETBE)	0.0422	0.0449	0.050	ND	84	90	53-125	6.00	20
Methyl-t-butyl ether (MTBE)	0.0398	0.0433	0.050	ND	80	87	58-122	8.25	20
Toluene	0.0437	0.0475	0.050	ND	87	95	76-130	8.39	20
Trichloroethene	0.0570	0.0636	0.050	ND	114	127	72-132	10.8	20
Surrogate Recovery									
Dibromofluoromethane	0.132	0.133	0.12		106	107	70-130	0.583	20
Toluene-d8	0.138	0.140	0.12		111	112	70-130	0.768	20
4-BFB	0.0127	0.0129	0.012		102	103	70-130	1.29	20
Benzene-d6	0.0899	0.0980	0.10		90	98	60-140	8.63	20
Ethylbenzene-d10	0.102	0.109	0.10		102	109	60-140	7.25	20
1,2-DCB-d4	0.0907	0.0952	0.10		91	95	60-140	4.82	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130348
Date Analyzed:	11/28/16	**Extraction Method:**	SW3550B
Instrument:	GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735	**Sample ID:**	MB/LCS-130348 1611B24-037AMS/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	41.7	1.0	40	-	104	91-127
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	20.9	20.9		25	83	84	74-110

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	43.5	58.8	40	27.40	40,F1	79	74-143	30.0	30
Surrogate Recovery									
C9	20.9	21.0	25		84	84	72-114	0	30

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130349
Date Analyzed:	11/28/16 - 11/29/16	**Extraction Method:**	SW5030B
Instrument:	GC19, GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735	**Sample ID:**	MB/LCS-130349 1611B24-016AMS/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	0.539	0.40	0.60	-	90	89-118
MTBE	ND	0.0841	0.050	0.10	-	84	68-116
Benzene	ND	0.117	0.0050	0.10	-	117	85-118
Toluene	ND	0.106	0.0050	0.10	-	106	87-121
Ethylbenzene	ND	0.116	0.0050	0.10	-	116	91-124
Xylenes	ND	0.348	0.015	0.30	-	116	92-126
Surrogate Recovery							
2-Fluorotoluene	0.0937	0.101		0.10	94	101	88-119

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.568	0.568	0.60	ND	95	95	66-122	0	20
MTBE	0.0783	0.0926	0.10	ND	71	86	58-106	16.7	20
Benzene	0.0993	0.107	0.10	ND	99	107	63-116	7.79	20
Toluene	0.101	0.110	0.10	ND	101	110	66-118	8.53	20
Ethylbenzene	0.104	0.112	0.10	ND	104	112	69-121	8.05	20
Xylenes	0.306	0.335	0.30	ND	102	112	70-125	9.02	20
Surrogate Recovery									
2-Fluorotoluene	0.105	0.113	0.10		105	113	69-117	6.90	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130291
Date Analyzed:	11/28/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735	**Sample ID:**	MB/LCS-130291 1611A88-017AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Arsenic	ND	52.2	0.50	50	-	104	75-125
Surrogate Recovery							
Terbium	532	533		500	106	107	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	54.2	52.1	50	2.9	102	98	75-125	3.90	20
Surrogate Recovery									
Terbium	526	510	500		105	102	70-130	3.05	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	2.81	2.9	3.10	-

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

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130347
Date Analyzed:	11/28/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735	**Sample ID:**	MB/LCS-130347 1611B24-013AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	50.9	0.50	50	-	102	75-125
Arsenic	ND	51.4	0.50	50	-	103	75-125
Barium	ND	511	5.0	500	-	102	75-125
Beryllium	ND	54.0	0.50	50	-	108	75-125
Cadmium	ND	50.2	0.25	50	-	100	75-125
Chromium	ND	49.9	0.50	50	-	100	75-125
Cobalt	ND	46.8	0.50	50	-	94	75-125
Copper	ND	50.7	0.50	50	-	101	75-125
Lead	ND	50.9	0.50	50	-	102	75-125
Mercury	ND	1.25	0.050	1.25	-	100	75-125
Molybdenum	ND	50.7	0.50	50	-	101	75-125
Nickel	ND	51.0	0.50	50	-	102	75-125
Selenium	ND	50.1	0.50	50	-	100	75-125
Silver	ND	48.4	0.50	50	-	97	75-125
Thallium	ND	47.8	0.50	50	-	96	75-125
Vanadium	ND	49.7	0.50	50	-	99	75-125
Zinc	ND	511	5.0	500	-	102	75-125
Surrogate Recovery							
Terbium	494	494		500	99	99	70-130

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130347
Date Analyzed:	11/28/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735	**Sample ID:**	MB/LCS-130347 1611B24-013AMS/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	47.6	45.4	50	0.76	94	89	75-125	4.75	20
Arsenic	64.4	63.0	50	17.21	94	92	75-125	2.18	20
Barium	660	643	500	180	95	92	75-125	2.53	20
Beryllium	47.7	45.7	50	0.67	94	90	75-125	4.18	20
Cadmium	46.3	44.7	50	0.36	92	89	75-125	3.60	20
Chromium	101	96.6	50	51	100	91	75-125	4.39	20
Cobalt	54.2	48.4	50	8.8	91	79	75-125	11.3	20
Copper	79.9	77.2	50	35	90	84	75-125	3.51	20
Lead	132	149	50	72	120	154,F10	75-125	12.4	20
Mercury	1.44	1.70	1.25	0.35	87	108	75-125	16.5	20
Molybdenum	46.8	44.2	50	ND	93	87	75-125	5.91	20
Nickel	116	108	50	66	101	84	75-125	7.43	20
Selenium	46.3	44.6	50	ND	92	88	75-125	3.70	20
Silver	44.2	42.1	50	ND	88	84	75-125	4.86	20
Thallium	44.5	42.0	50	ND	89	84	75-125	5.80	20
Vanadium	92.3	91.7	50	41	103	102	75-125	0.707	20
Zinc	596	575	500	130	93	89	75-125	3.55	20
Surrogate Recovery									
Terbium	458	439	500		92	88	70-130	4.24	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	0.76	-	-
Arsenic	17.5	17.21	1.69	20
Barium	184	180	2.22	20
Beryllium	ND<2.5	0.67	-	-
Cadmium	ND<1.2	0.36	-	-
Chromium	53.1	51	4.12	20
Cobalt	9.30	8.8	5.68	-
Copper	35.1	35	0.286	20
Lead	71.9	72	0.139	20
Mercury	0.448	0.35	28.0	-
Molybdenum	ND<2.5	ND	-	-
Nickel	66.3	66	0.455	20
Selenium	ND<2.5	ND	-	-

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1611B24
Date Prepared:	11/23/16	**BatchID:**	130347
Date Analyzed:	11/28/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	365735	**Sample ID:**	MB/LCS-130347 1611B24-013AMS/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	42.2	41	2.93	20
Zinc	132	130	1.54	20

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

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1611B24 **ClientCode: AEL**

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

Report to:
Mallory Zaunius
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 283-6000 FAX: (925) 944-2895
Email: mzaunius@aeiconsultants.com
cc/3rd Party:
PO: 121766
ProjectNo: 365735

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

Requested TAT: 5 days;
Date Received: **11/21/2016**
Date Logged: **11/23/2016**

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
1611B24-001	SG-1-0.5	Soil	11/21/2016 11:00	☐	A		A									
1611B24-004	SG-2-0.5	Soil	11/21/2016 11:40	☐	A		A									
1611B24-006	SG-2-3.5	Soil	11/21/2016 11:50	☐		A										
1611B24-009	SG-3-3.5	Soil	11/21/2016 12:10	☐		A										
1611B24-010	SB-1-0.5	Soil	11/21/2016 13:00	☐	A			A	A	A						
1611B24-013	SB-2-0.5	Soil	11/21/2016 12:15	☐	A		A		A	A						
1611B24-016	SB-3-0.5	Soil	11/21/2016 12:30	☐	A			A	A	A						
1611B24-019	SB-4-0.5	Soil	11/21/2016 11:15	☐	A			A	A	A						
1611B24-022	SB-5-0.5	Soil	11/21/2016 14:00	☐	A		A		A	A						
1611B24-025	SB-6-0.5	Soil	11/21/2016 14:20	☐	A		A		A	A						
1611B24-028	SB-7-0.5	Soil	11/21/2016 14:35	☐				A	A	A						
1611B24-031	SB-8-0.5	Soil	11/21/2016 15:00	☐	A				A	A						
1611B24-034	SB-9-0.5	Soil	11/21/2016 15:20	☐	A			A	A	A						
1611B24-037	SB-10-0.5	Soil	11/21/2016 15:35	☐					A	A						

Test Legend:

1	8081_ESL_S (J)	2	8260B_S	3	ASMS_6020_TTLC_S	4	CAM17MS_TTLC_S
5	G-MBTEX_S	6	TPH(DMO)_S	7		8	
9		10		11		12	

Prepared by: Briana Cutino

The following SampIDs: 010A, 013A, 016A, 019A, 022A, 025A, 028A, 031A, 034A, 037A contain testgroup Multi Range_S.

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

WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS **Project:** 365735 **Work Order:** 1611B24
Client Contact: Mallory Zaunius **QC Level:** LEVEL 2
Contact's Email: mzaunius@aeiconsultants.com **Comments:** **Date Logged:** 11/23/2016

☐ 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
1611B24-001A	SG-1-0.5	Soil	SW6020 (Arsenic)	1	Acetate Liner	☐	11/21/2016 11:00	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-002A	SG-1-2.5	Soil		1	Acetate Liner	☐	11/21/2016 11:05			☑	
1611B24-003A	SG-1-3.5	Soil		1	Acetate Liner	☐	11/21/2016 11:10			☑	
1611B24-004A	SG-2-0.5	Soil	SW6020 (Arsenic)	1	Acetate Liner	☐	11/21/2016 11:40	5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-005A	SG-2-2.5	Soil		1	Acetate Liner	☐	11/21/2016 11:45			☑	
1611B24-006A	SG-2-3.5	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	11/21/2016 11:50	5 days		☐	
1611B24-007A	SG-3-0.5	Soil		1	Acetate Liner	☐	11/21/2016 12:00			☑	
1611B24-008A	SG-3-2.5	Soil		1	Acetate Liner	☐	11/21/2016 12:05			☑	
1611B24-009A	SG-3-3.5	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	11/21/2016 12:10	5 days		☐	
1611B24-010A	SB-1-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 13:00	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-011A	SB-1-2.5	Soil		1	Acetate Liner	☐	11/21/2016 13:05			☑	
1611B24-012A	SB-1-3.5	Soil		1	Acetate Liner	☐	11/21/2016 13:10			☑	

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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"When Quality Counts"

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

WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS **Project:** 365735 **Work Order:** 1611B24
Client Contact: Mallory Zaunius **QC Level:** LEVEL 2
Contact's Email: mzaunius@aeiconsultants.com **Comments:** **Date Logged:** 11/23/2016

☐ 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
1611B24-013A	SB-2-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 12:15	5 days		☐	
			SW6020 (Arsenic)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-014A	SB-2-2.5	Soil		1	Acetate Liner	☐	11/21/2016 12:20			☑	
1611B24-015A	SB-2-3.5	Soil		1	Acetate Liner	☐	11/21/2016 12:25			☑	
1611B24-016A	SB-3-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 12:30	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-017A	SB-3-2.5	Soil		1	Acetate Liner	☐	11/21/2016 12:35			☑	
1611B24-018A	SB-3-3.5	Soil		1	Acetate Liner	☐	11/21/2016 12:40			☑	
1611B24-019A	SB-4-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 11:15	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-020A	SB-4-2.5	Soil		1	Acetate Liner	☐	11/21/2016 11:20			☑	
1611B24-021A	SB-4-3.5	Soil		1	Acetate Liner	☐	11/21/2016 11:25			☑	

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

WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS **Project:** 365735 **Work Order:** 1611B24
Client Contact: Mallory Zaunius **QC Level:** LEVEL 2
Contact's Email: mzaunius@aeiconsultants.com **Comments:** **Date Logged:** 11/23/2016

☐ 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
1611B24-022A	SB-5-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 14:00	5 days		☐	
			SW6020 (Arsenic)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-023A	SB-5-2.5	Soil		1	Acetate Liner	☐	11/21/2016 14:05			☑	
1611B24-024A	SB-5-3.5	Soil		1	Acetate Liner	☐	11/21/2016 14:10			☑	
1611B24-025A	SB-6-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 14:20	5 days		☐	
			SW6020 (Arsenic)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-026A	SB-6-2.5	Soil		1	Acetate Liner	☐	11/21/2016 14:25			☑	
1611B24-027A	SB-6-3.5	Soil		1	Acetate Liner	☐	11/21/2016 14:30			☑	
1611B24-028A	SB-7-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 14:35	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
1611B24-029A	SB-7-2.5	Soil		1	Acetate Liner	☐	11/21/2016 14:45			☑	
1611B24-030A	SB-7-3.5	Soil		1	Acetate Liner	☐	11/21/2016 14:50			☑	
1611B24-031A	SB-8-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 15:00	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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http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS **Project:** 365735 **Work Order:** 1611B24
Client Contact: Mallory Zaunius **QC Level:** LEVEL 2
Contact's Email: mzaunius@aeiconsultants.com **Comments:** **Date Logged:** 11/23/2016

☐ 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
1611B24-031A	SB-8-0.5	Soil	SW8081A (OC Pesticides)	1	Acetate Liner	☐	11/21/2016 15:00	5 days		☐	
1611B24-032A	SB-8-2.5	Soil		1	Acetate Liner	☐	11/21/2016 15:05			☑	
1611B24-033A	SB-8-3.5	Soil		1	Acetate Liner	☐	11/21/2016 15:10			☑	
1611B24-034A	SB-9-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 15:20	5 days		☐	
			SW6020 (CAM 17)			☐		5 days		☐	
			SW8081A (OC Pesticides)			☐		5 days		☐	
1611B24-035A	SB-9-2.5	Soil		1	Acetate Liner	☐	11/21/2016 15:25			☑	
1611B24-036A	SB-9-3.5	Soil		1	Acetate Liner	☐	11/21/2016 15:30			☑	
1611B24-037A	SB-10-0.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm	1	Acetate Liner	☐	11/21/2016 15:35	5 days		☐	
1611B24-038A	SB-10-2.5	Soil		1	Acetate Liner	☐	11/21/2016 15:40			☑	
1611B24-039A	SB-10-3.5	Soil		1	Acetate Liner	☐	11/21/2016 15:45			☑	

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.

1611B24

General COC

MAI Work Order # ~~1611A89~~

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: GeoTracker EDF		PDF		EDD		Write On (DW)		EQuIS	

Report To: Mallory Zaunius Bill To: AEI
Company: AEI
Email: mzaunius@aeiconsultants.com
Alt Email: jasmith@aeiconsultants.com Tele: 925-746-6086
Project Name/#: 365735
Project Location: 227-253 Race Street, 216-280 Grand Ave, and 1130 Park Ave, San Jose, CA PO # 121766
Sampler Signature: [signature]

Analysis Requested (columns):
1. BTEX & TPH as Gas (8021/8015) MTBE
2. TPH as Diesel (8015) + Motor Oil Without Silica Gel
3. TPH as Diesel (8015) + Motor Oil With Silica Gel
4. Total Oil & Grease (1664 / 9071) Without Silica Gel
5. Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel
6. Total Petroleum Hydrocarbons (418.1) With Silica Gel
7. EPA ~~608~~ / 8081 (OC Pesticides) w/ LL for ESL
8. EPA 608 / 8082 PCB's ; Aroclors only
9. EPA 524.2 / 624 / 8260 (VOCs)
10. EPA 525.2 / 625 / 8270 (SVOCs)
11. EPA 8270 SIM / 8310 (PAHs / PNAs)
12. CAM 17 Metals (200.8 / 6020)*
13. Metals (200.8 / 6020)*
14. Baylands Requirements
15. Lab to filter sample for dissolved metals analysis
16. HOLD
17. TPH multi - 8015
18. (blank)
19. Arsenic 6020

SAMPLE ID Location / Field Point	Date	Time	#Containers	Matrix	Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SG-1-0.5	11/21/16	1100	1	soil								X									↓			X
SG-1-2.5	↓	1105	↓	↓																	↓			
SG-1-3.5	↓	11:10	↓	↓								X									↓			X
SG-2-0.5	↓	11:40	↓	↓										~~X~~ no							↓			
SG-2-2.5	↓	11:45	↓	↓										(X)							↓			
SG-2-3.5	↓	11:50	↓	↓																	↓			
SG-3-0.5	↓	12:00	↓	↓										~~X~~ -NO							↓			
SG-3-2.5	↓	12:05	↓	↓										(X)							↓			
SG-3-3.5	↓	12:10	↓	↓																	↓			

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] AEI	11/21/16	1950			

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 ___ of ___

General COC

MAI Work Order # _____

McCAMPBELL ANALYTICAL, INC.

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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: GeoTracker EDF | PDF | EDD | Write On (DW) | EQuIS

Report To: Mallory Zaunius — Bill To: AEI
Company: AEI
Email: mzaunius@aeiconsultants.com
Alt Email: jasmith@aeiconsultants.com — Tele: 925-746-6068
Project Name/#: 365735
Project Location: [illegible] — PO # 121768
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative
SB-1-0.5	11/21/16	1300	1	Soil	
SB-1-2.5		1305			
SB-1-3.5		1310			
SB-2-0.5		1245			
SB-2-2.5		1220			
SB-2-3.5		1225			
SB-3-0.5		1230			
SB-3-2.5		1235			
SB-3-3.5		1240			
SB-4-0.5		11:15			

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 8081 (8081 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)	Beylands Requirements	Lab to filter sample for dissolved metals analysis	TPH Multi-Range	Arsenic
						X					X				X	
															X	X
						X										
						X					X				X	
						X					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
AEI	11/21/16	18:30			

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 ___ of ___

General COC

MAI Work Order # ________________

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: GeoTracker EDF		PDF		EDD		Write On (DW)		EQuIS	

Report To: Mallory Zaunius   Bill To: AEI

Company: AEI

Email: mzaunius@aeiconsultants.com

Alt Email: jasmith@aeiconsultants.com   Tele: 925-746-6066

Project Name/#: 365735

Project Location: 227-233 Race Street, 216-200 Grand Ave, and 1120 Park Ave, San Jose, CA   PO # 121766

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) or 8081 w/ [illegible] ESL	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		TPH mo 8015	Arsenic 6020
SB-4-2.5	11/21/16	1120	1	soil																	X			
SB-4-3.5	↓	1125	↓	↓								X									↓		X	X
SB-5-0.5	↓	1400	↓	↓																	↓			
SB-5-2.5	↓	1405	↓	↓																	↓			
SB-5-3.5	↓	1410	↓	↓								X									↓		X	X
SB-6-0.5	↓	1420	↓	↓																	↓			
SB-6-2.5	↓	1425	↓	↓																	↓			
SB-6-3.5	↓	1430	↓	↓													X				↓		X	
SB-7-0.5	↓	1435	↓	↓																	↓			
SB-7-2.5	↓	1445	↓	↓																	↓			

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] AEI	11/21/16	18:50			

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 _____

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General COC

MAI Work Order # ____________

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: GeoTracker EDF		PDF		EDD		Write On (DW)	EQuIS

Report To: Mallory Zaunius Bill To: AEI

Company: AEI

Email: mzaunius@aeiconsultants.com

Alt Email: jasmith@aeiconsultants.com Tele: 925-746-6066

Project Name/#: 365735

Project Location: [illegible] PO #121766

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 ~~8081~~ / 8081 (Cl Pesticides) OC w/ Lo for ESL	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	TPH mult-8015	Arsenic 6020	
SB-7-3.5	11/21/16	1450	1	Soil								(X)									X ↓	X	~~X~~	
SB-8-0.5	↓	1500	↓	↓								~~X~~									↓			
SB-8-2.5	↓	1505	↓	↓																	↓			
SB-8-3.5	↓	1510	↓	↓								X					X				↓	X		
SB-9-0.5	↓	1520	↓	↓																	↓			
SB-9-2.5	↓	1525	↓	↓																	↓			
SB-9-3.5	↓	1530	↓	↓																	↓	X		
SB-10-0.5	↓	1535	↓	↓																	↓			
SB-10-2.5	↓	1540	↓	↓																	↓			
SB-10-3.5	↓	1545	↓	↓																				

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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	**11/21/2016 18:50**
Project Name:	**365735**	Date Logged:	**11/23/2016**
		Received by:	Jena Alfaro
WorkOrder №:	**1611B24** Matrix: Soil	Logged by:	Briana Cutino
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: 3°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: