



AEI Consultants

July 14, 2017

LIMITED PHASE II SUBSURFACE INVESTIGATION

Property Identification:

401 Jackson Street,
Oakland, California 94607

AEI Project No. 372927

Prepared for:

Amaro Poultry Co, Inc
5134 Willowview Court,
Pleasanton, California 94588

Prepared by:

AEI Consultants
2500 Camino Diablo,
Walnut Creek, California 94595
(925) 746-6000

Environmental &
Engineering Due
Diligence

Site Investigation &
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Energy Performance
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AEI Consultants

July 14, 2017

Ms. Ruth Amaro
Amaro Poultry
5134 Willowview Court,
Pleasanton, California 94588

Subject: Limited Phase II Subsurface Investigation
401 Jackson Street, Oakland, California 94607
AEI Project No. 372927

Dear Ms. Amaro:

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 401 Jackson Street in Oakland, California ("the Site"). This investigation was completed in general accordance with the authorized scope of services outlined in our authorized proposal number 52290.

1.0 SITE DESCRIPTION

The Site location and vicinity are shown on Figure 1. Figure 2 presents the Site Plan. The Site consists of a one story refrigerated warehouse and office space that houses Del Monte Meats, a meat distribution facility and storage warehouse. The Site is covered by concrete inside of the building with asphalt pavement and sidewalk surrounding the property. The general land use in the vicinity of the Site is mixed use commercial and residential.

The Site is relatively flat at an elevation of about 18 feet above mean sea level. The regional topographic gradient direction slopes toward the southeast and, therefore, the direction of groundwater flow beneath the subject property is inferred to be to the southwest. The Pacific Ocean is located approximately 0.25 miles to the south.

According to information obtained from the USGS, the area surrounding the subject property is underlain by artificial fill deposits of the modern era. Based on a review of the USDA Soil Survey for the area of the subject property, the soils in the vicinity of the subject property are classified as the Urban land-Baywood complex series. Soils from this series are characterized as loamy sand. Refer to Section 4.1 below for additional information on the site geology and groundwater conditions.

2.0 BACKGROUND

A Phase I Environmental Site Assessment (ESA) was performed by AEI as detailed in a report dated June 13, 2017 (AEI Project Number 372927). The Phase I ESA identified the following Recognized Environmental Concern (REC):

- According to Mr. Mr. Gary Bettencourt of Capital Group, a gasoline UST is reportedly located at the Site. Mr Bettencourt indicated the possible location of the UST along the southwestern corner within the building at the Site. Mr. Bettencourt indicated that this gasoline UST was installed sometime in the 1960s and was abandoned and filled in with concrete sometime in the 1980s. No further information concerning this UST was provided to AEI. No information concerning the subject property or USTs were on file with the regulatory agencies contacted during the course of this assessment. Based on the lack of information concerning the UST, AEI is unable to rule out the potential that a release from the UST has affected the subsurface of the subject property.

3.0 INVESTIGATION EFFORTS

AEI was requested to perform additional investigation, including performing a geophysical survey to identify the location of the UST and collecting soil and groundwater samples, to evaluate if a release from the former UST has significantly impacted the property.

3.1 Health and Safety Plan

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

3.2 Permitting and Utility Clearance

Drilling permits were obtained from Alameda County Public Works for this investigation (Appendix A). The public underground utility locating service USA North 811 was notified to identify public utilities in the work area. Private utility locating was conducted by 1st Call of Richmond, California to identify underground utilities on the subject property.

3.3 Geophysical Survey

On July 7, 2017, a geophysical survey was conducted by 1st Call of Richmond, California (Appendix B). The purpose of the survey was to evaluate the potential presence of the former UST. The geophysical survey was conducted using ground penetrating radar (GPR). The results from the geophysical survey did not detect the presence of the UST in the locations where the GPR was performed as noted as the potential location of the UST in the Phase I ESA.

The client should be aware of the inherent limitations of geophysical surveying methods and that above and underground utilities and other man-made or natural features (i.e. automobiles, debris piles, tree roots, reinforced concrete, certain soil conditions, etc), if in the area of the survey, may decrease the effectiveness of the survey. The client should be aware that the lack of a detection of a feature from a geophysical survey does not mean that the feature does not exist only that it was not detected.

3.4 Drilling and Soil Sample Collection

On July 7, 2017, 4 soil borings (SB-1 through SB-4) were advanced at the Site, at the locations shown on Figure 2. AEI contracted Penecore Drilling of Woodland, California to advance each of the soil borings using a track-mounted or dolly direct push rig. The borings were advanced to

depths between 8.5 and 15 feet below ground surface (bgs). The borings were positioned around the suspected location of the UST.

The borings were advanced using 2.25-inch outer diameter rods and samples were collected by advancing the rods with acetate sample liners in approximately 3 to 5 foot intervals depending on the rig being used. After each interval, the core was retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite geologist.

Refusal was encountered in two of the soil borings, SB-1 and SB-2. The only rig that could be used inside of the refrigerated meat storage rooms was the dolly mounted rig. Tight sands underlaid the Site limited the ability for the dolly mounted rig to reach the target depth for the collection of groundwater samples. Slotted casing was inserted into both boreholes to allow water to enter the hole over time, but no water was observed.

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 C). Selected soil samples were sealed with Teflon tape and plastic end caps and placed into a cooler with ice.

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

3.5 Groundwater Sample Collection

On July 7, 2017, attempts were made to sample groundwater from the borings. Groundwater was collected from borings SB-3 and SB-4 using temporary PVC casing inserted into the borehole and collected using a peristaltic pump. As noted above, groundwater was not present at the total depth of soil borings SB-1 and SB-2.

3.7 Boring Destruction

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

3.8 Laboratory Analyses

The soil and groundwater 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 of Pittsburgh, California. Laboratory analytical documentation is provided in Appendix D.

Laboratory analysis of four soil samples consisted of the following:

- Volatile Organic Compounds (VOCs) using US EPA Testing Method 8260
- Total Petroleum Hydrocarbons (TPH) multirange using US EPA Testing Method 8015M

Laboratory analysis of two groundwater samples consisted of the following:

- VOCs using US EPA Testing Method 8260
- Total Petroleum Hydrocarbons (TPH) multirange using US EPA Testing Method 8015M

4.0 FINDINGS

This section presents the findings of the limited Phase II subsurface investigation performed.

4.1 Geology and Hydrogeology

Sediment encountered in each of the borings generally consisted of fine to medium sands with a small amount of clay (Appendix C). Groundwater was encountered in boring SB-3 and SB-4 at a depth of 12 feet bgs. Groundwater slowly entered into the slotted casing over time. SB-4 was drilled to a depth of 15 feet to try and hit groundwater but groundwater at that depth also slowly infiltrated the casing. Groundwater was not encountered in borings SB-1 through SB-2.

4.2 Soil Sample Analytical Results

Table 1 presents a summary of soil sample analytical results. The deepest unsaturated soil sample was analyzed from each of the four soil borings advanced. The results can be summarized as follows:

- Total petroleum hydrocarbons as motor oil (TPHmo) was the only analyte observed in the soil samples collected and analyzed, observed in sample SB-2-9 at a concentration of 12 milligrams per kilogram (mg/kg).
- Total petroleum hydrocarbons as gasoline or diesel, nor VOCs were detected in the soil samples collected and analyzed as part of this investigation.

4.3 Groundwater Sample Analytical Results

Table 2 presents a summary of the groundwater sample analytical results. As noted above, only two groundwater samples were able to be collected. The results can be summarized as follows:

- Total petroleum hydrocarbons as gasoline (TPHg) was observed in one of the two groundwater samples collected and analyzed, observed at a concentration of 3,800 micrograms per liter ($\mu\text{g/L}$) in sample SB-4.
- Total petroleum hydrocarbons as diesel (TPHd) was observed in each of the two groundwater samples collected, observed at concentrations of 200 and 1,200 $\mu\text{g/L}$, in samples SB-3 and SB-4, respectively.
- TPHmo was observed in each of the two groundwater samples collected, observed at concentrations of 1,300 and 4,900 $\mu\text{g/L}$, in samples SB-3 and SB-4, respectively.
- Benzene was observed in the groundwater sample collected from SB-4 at a concentration of 21 $\mu\text{g/L}$.
- Ethylbenzene was observed in the groundwater sample collected from SB-4 at a concentration of 50 $\mu\text{g/L}$.
- Naphthalene was observed in the groundwater sample collected from SB-4 at a concentration of 38 $\mu\text{g/L}$.
- Methyl tertiary butyl ether (MTBE) was observed in the groundwater sample collected from SB-4 at a concentration of 16 $\mu\text{g/L}$.

- Other VOCs were detected in the groundwater samples collected and analyzed as shown in Table 2.

5.0 SUMMARY AND CONCLUSIONS

AEI has completed a Phase II at the subject property. The purpose of the investigation was to identify whether a release of petroleum hydrocarbons from the former UST at the Site had significantly impacted the Site. The geophysical survey did not identify the presence of the former UST, therefore it has likely been removed. The soil and groundwater samples collected and analyzed identified the presence of petroleum hydrocarbons in the soil and groundwater beneath the Site, presumably from a release from the former UST.

The results of this investigation were compared to Environmental Screening Levels (ESLs) developed by the San Francisco Bay Regional Water Quality Control Board. As shown on Table 1, no analytes were detected in soil that exceeded their respective ESL. As shown on Table 2, multiple chemicals were found in groundwater that exceeded their respective ESLs, specifically TPHg, TPHd, benzene, toluene, ethylbenzene, and naphthalene. Therefore, AEI recommends that further investigation be performed to characterize the lateral and vertical extent of petroleum hydrocarbons identified in soil and groundwater at the Site. Engagement with a regulatory agency for the reporting of the unauthorized release from the former UST is also recommended.

6.0 REPORT LIMITATIONS AND RELIANCE

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

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

This investigation was prepared for the sole use and benefit of Amaro Poultry. All reports, both verbal and written, whether in draft or final, are for the benefit of Amaro Poultry. 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

Limited Phase II Subsurface Investigation

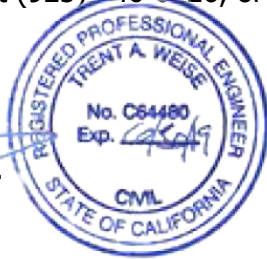
401 Jackson Street, Oakland, California

or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Amaro Poultry. 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 Ms Courtney Monheit at (925) 746-6026, or the undersigned.

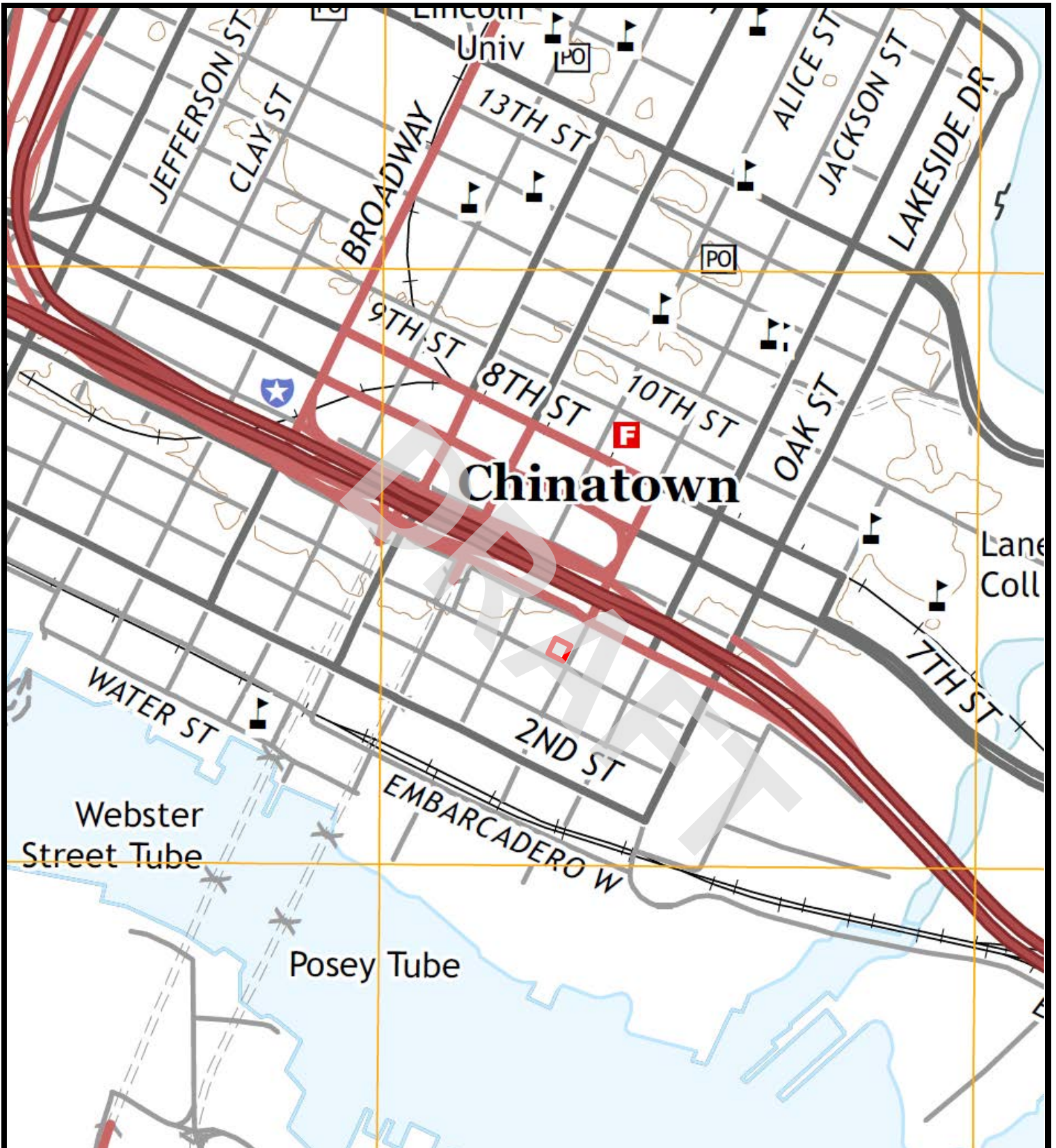
Sincerely,
AEI Consultants

Trent A. Weise, P.E.
Vice President



AEI Consultants
2500 Camino Diablo
Walnut Creek, California 94595
Phone: (925) 746-6000

FIGURES



Legend: Approximate Property Boundary —

Source: USGS Topographic Map *Oakland West, California* (2015)



Figure 1: TOPOGRAPHIC MAP

401 Jackson Street, Oakland, California 94607

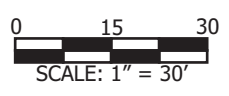
Project Number: 372927

AEI
Consultants



LEGEND

- Approximate Property Boundary
- ⊕ Soil Boring



AEI Consultants

2500 Camino Diablo, Walnut Creek, California

SITE MAP

401 Jackson Street,
Oakland, C.A.

FIGURE 2
Project No. 372927

TABLES

TABLE 1: SOIL SAMPLE DATA SUMMARY
401 Jackson Street, Oakland, California

Sample ID	Date	Depth (feet bgs)	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	Remaining VOCs (mg/kg)
SB-1-8	7/7/2017	8	<1.0	<1.0	<5.0	<RL
SB-2-9	7/7/2017	9	<1.0	<1.0	12	<RL
SB-3-9.5	7/7/2017	9.5	<1.0	<1.0	<5.0	<RL
SB-4-7	7/7/2017	7	<1.0	<1.0	<5.0	<RL
Comparison Values:						
ESL- Tier 1			100	100	5,100	<RL

Notes:

- mg/kg milligrams per kilogram
- <RL less than the laboratory reporting limit
- NA not analyzed
- bgs below ground surface
- N/A not applicable
- TPH-g Total Petroleum Hydrocarbons as Gasoline
- TPH-d Total Petroleum Hydrocarbons as Diesel
- TPH-mo Total Petroleum Hydrocarbons as Motor Oil
- Bold** Analyte detected at or above the laboratory method reporting limit

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: GROUNDWATER SAMPLE DATA SUMMARY
401 Jackson Street, Oakland, California

Location ID	Date	Depth (feet bgs)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenze (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	Naphthalene (µg/L)	4-Isopropyl toluene (µg/L)	Methylene chloride (µg/L)	n-Propyl benzene (µg/L)	n-Butyl benzene (µg/L)	1,2,4-Trimethy-benzene (µg/L)	1,3,5-Trimethy-benzene (µg/L)	2-Butanone (MEK) (µg/L)	Remaining VOCs (µg/L)	
SB-3	7/7/2017	10.8	<50	200	1,300	<0.50	<0.50	<0.50	0.52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<0.50	3.2	<RL	
SB-4	7/7/2017	8	3,800	1,200	4,900	21	150	50	410	16	54	38	5.2	6.2	15	7.3	150	48	<20	<RL	
Comparison Values:																					
ESL Tier 1:			--	100	100	50,000	1.0	40	13	20	5.0	12	0.17	NA	5.0	NA	NA	NA	NA	5,600	--

Notes:

- µg/L micrograms per liter
- <RL less than the laboratory reporting limit
- NA not analyzed
- bgs below ground surface
- not applicable
- TPH-g Total Petroleum Hydrocarbons as Gasoline
- TPH-d Total Petroleum Hydrocarbons as Diesel
- TPH-mo Total Petroleum Hydrocarbons as Motor Oil
- MTBE Methyl tertiary butyl ether
- TBA tert-butyl alcohol
- MEK methyl ethyl ketone
- Bold** Analyte detected at or above the laboratory method reporting limit

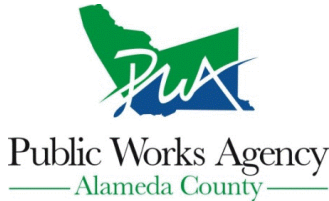
Comparison Values:

ESL Tier 1: Tier 1 Environmental Screening Levels (ESLs) from February 2016 (Rev. 3) ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board

APPENDIX A

Permits

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 06/30/2017 By jamesy

Permit Numbers: W2017-0559
Permits Valid from 07/10/2017 to 07/10/2017

Application Id: 1498597143641
Site Location: 401 Jackson Street, Oakland
Project Start Date: 07/10/2017
Assigned Inspector: Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com

City of Project Site:Oakland

Completion Date:07/10/2017

Applicant: AEI Consultants - William Banker-Hix
2500 Camino Diablo, Walnut Creek, CA 94595
Property Owner: Del Monte Meat Company
401 Jackson Street, Oakland, CA 94607
Client: Ruth Amaro
5134 Willowview Court, Pleasanton, CA 94588
Contact: William Banker-Hix

Phone: 925-746-6050

Phone: --

Phone: --

Phone: 925-746-6050
Cell: 925-746-6050

Receipt Number: WR2017-0319 Total Due: \$265.00
Payer Name : William B Hix Total Amount Paid: \$265.00
Paid By: VISA PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 4 Boreholes
Driller: Environmental Control Associates - Lic #: 695970 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2017-0559	06/30/2017	10/08/2017	4	2.25 in.	12.00 ft

Specific Work Permit Conditions

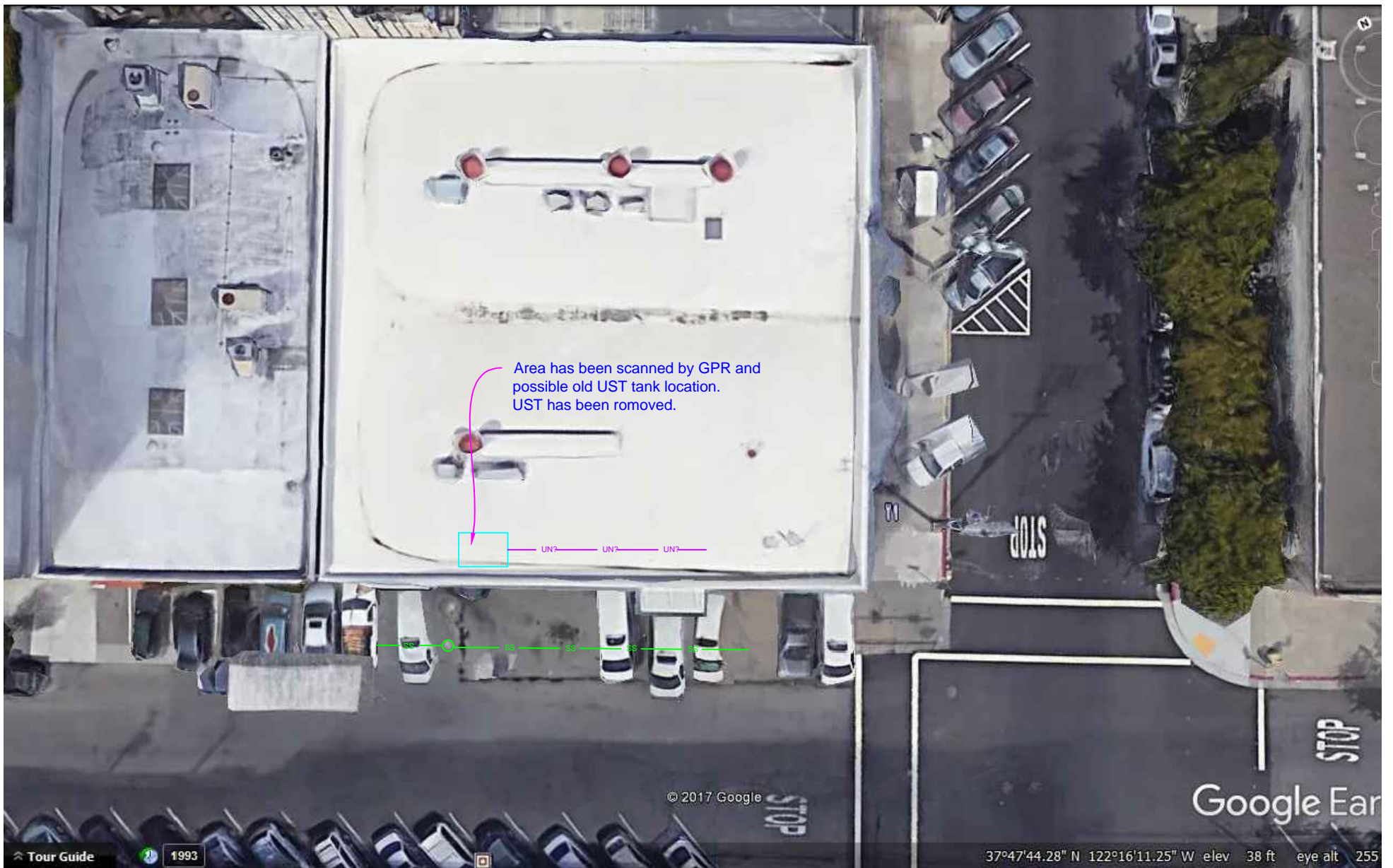
1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

Alameda County Public Works Agency - Water Resources Well Permit

5. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.
 8. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.
 9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
-

APPENDIX B

Geophysical Survey Report



Tour Guide

1993

LEGEND

SEWER SS SS
 UNKNOWN UN? UN?

GENERAL NOTES

1. THE LOCATION OF UNDERGROUND UTILITIES ARE SHOWN TO THE EXTENT POSSIBLE AND ARE BASED ON OBSERVED SURFACE EVIDENCE, AVAILABLE RECORD INFORMATION PROVIDED FROM AEI CONSULTANT AND 1ST CALL UTILITY LOCATING.
2. CONTRACTORS AND OTHER PERFORMING WORK SHALL VERIFY THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES WITHIN CONSTRUCTION AREA.
3. SPRINKLER HEADS AND IRRIGATION LATERAL LINES ARE NOT SHOWN HEREON.
4. ADDITIONAL UNDETECTED UTILITIES MAY EXIST WITHIN THE LIMIT OF THIS SURVEY.
5. CALL UNDERGROUND SERVICE ALERT (USA) 48 HOURS PRIOR TO ANY UNDERGROUND WORK.

APPENDIX C

Soil Boring Logs



CLIENT Ruth Amaro Poultry Company
PROJECT NUMBER 372927
DATE STARTED 7/7/17 **COMPLETED** 7/7/17
DRILLING CONTRACTOR Penecore
DRILLING METHOD Direct Push
LOGGED BY WBH **CHECKED BY** T. Weise
NOTES _____

PROJECT NAME _____
PROJECT LOCATION 401 Jackson Street, Oakland, California
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
GROUND WATER LEVELS:
AT TIME OF DRILLING ---
AT END OF DRILLING ---
AFTER DRILLING ---

AEI BORING - GINT STD US LAB.GDT - 7/10/17 14:06 - P:\COMPANYWIDE PROJECTS\372000 SERIES\372927 OAKLAND, CA\PHIDELIVERABLES\BORING LOGS\BOPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0						
0.5				0.5	CONCRETE	
2.5	SB-1-2.5		0.4	0.4	SAND (SP), very dark grayish brown to 3 feet, yellowish brown from 3 to 9.5 feet, medium dense, moist, fine to medium sand, small amount of clay, refusal at 8.5 feet	
5.0	SB-1-5.5		0.3	0.3		
7.5	SB-1-8		0.6	0.6		
8.5				8.5		

Refusal at 8.5 feet.
Bottom of borehole at 8.5 feet.



CLIENT Ruth Amaro Poultry Company
PROJECT NUMBER 372927
DATE STARTED 7/7/17 **COMPLETED** 7/7/17
DRILLING CONTRACTOR Penecore
DRILLING METHOD Direct Push
LOGGED BY WBH **CHECKED BY** T. Weise
NOTES _____

PROJECT NAME _____
PROJECT LOCATION 401 Jackson Street, Oakland, California
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
GROUND WATER LEVELS:
AT TIME OF DRILLING ---
AT END OF DRILLING ---
AFTER DRILLING ---

AEI BORING - GINT STD US LAB.GDT - 7/10/17 14:06 - P:\COMPANYWIDE PROJECTS\372000 SERIES\372927 OAKLAND, CA\PHI\DELIVERABLES\BORING LOGS\GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0						
0.5					CONCRETE	
2.5	SB-2-2.5		0.3		SAND (SP), very dark grayish brown from 3 to 9.5 feet, medium dense, moist,	
5.0	SB-2-5.5		0.2			
7.5	SB-2-9		0.4			
9.5						

Refusal at 9.5 feet.
Bottom of borehole at 9.5 feet.



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BORING NUMBER SB-3

PAGE 1 OF 1

CLIENT Ruth Amaro Poultry Company
 PROJECT NUMBER 372927
 DATE STARTED 7/7/17 COMPLETED 7/7/17
 DRILLING CONTRACTOR Penecore
 DRILLING METHOD Direct Push
 LOGGED BY WBH CHECKED BY T. Weise
 NOTES _____

PROJECT NAME _____
 PROJECT LOCATION 401 Jackson Street, Oakland, California
 GROUND ELEVATION _____ HOLE SIZE 2.25 inches
 GROUND WATER LEVELS:
 ▽ AT TIME OF DRILLING 11.00 ft
 AT END OF DRILLING ---
 ▽ AFTER DRILLING 10.81 ft

AEI BORING - GINT STD US LAB.GDT - 7/10/17 14:06 - P:\COMPANYWIDE PROJECTS\372000 SERIES\372927 OAKLAND, CA\PHI\DELIVERABLES\BORING LOGS\BOPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0						
0.5				0.5	CONCRETE	
2.5					SAND (SP), dark yellowish brown (10YR 4/6), dense, dry to 6 feet, moist from 6 to 9 feet, wet from 12 feet, fine to medium sand, small amount of clay	
5.0	SB-3-4.5		0.0			
7.5						
10.0	SB-3-9.5		0.1			
12.0	SB-3-11.5		0.1			

Bottom of borehole at 12.0 feet.



AEI Consultants

BORING NUMBER SB-4

PAGE 1 OF 1

CLIENT Ruth Amaro Poultry Company
 PROJECT NUMBER 372927
 DATE STARTED 7/7/17 COMPLETED 7/7/17
 DRILLING CONTRACTOR Penecore
 DRILLING METHOD Direct Push
 LOGGED BY WBH CHECKED BY T. Weise
 NOTES _____

PROJECT NAME _____
 PROJECT LOCATION 401 Jackson Street, Oakland, California
 GROUND ELEVATION _____ HOLE SIZE 2.25 inches
 GROUND WATER LEVELS:
 AT TIME OF DRILLING ---
 AT END OF DRILLING ---
 ▽ AFTER DRILLING 8.02 ft

AEI BORING - GINT STD US LAB.GDT - 7/10/17 14:06 - P:\COMPANYWIDE PROJECTS\372000 SERIES\372927 OAKLAND, CA\PHI\DELIVERABLES\BORING LOGS\BORING LOGS.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0						
0.4				0.4	ASPHALT	
2.5					SAND (SP), yellowish brown (10YR 5/6), dense, moist to 8 feet, wet from 8 to 15 feet, fine to medium sand, color changes to light grayish olive, strong odor from 8 to 10 feet, small amount of clay	
4.0	SB-4-3		0.1			
5.0	SB-4-4.5		0.0			
7.5					▽	
10.0	SB-4-9.5		2.2			
12.5						
15.0	SB-4-14.5					

Bottom of borehole at 15.0 feet.

APPENDIX D

Laboratory Analytical Reports



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1707208

Report Created for: AEI Consultants

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

Project Contact: William Hicks

Project P.O.: 136120

Project Name: 372927; 401 Jackson St., Oakland

Project Received: 07/07/2017

Analytical Report reviewed & approved for release on 07/11/2017 by:

Angela Rydelius,
Laboratory Manager

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





Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 372927; 401 Jackson St., Oakland
WorkOrder: 1707208

Glossary Abbreviation

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



Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 372927; 401 Jackson St., Oakland
WorkOrder: 1707208

Analytical Qualifiers

S Surrogate spike recovery outside accepted recovery limits
b1 Aqueous sample that contains greater than ~1 vol. % sediment
c2 Surrogate recovery outside of the control limits due to matrix interference.
c4 Surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d1 Weakly modified or unmodified gasoline is significant
e2 Diesel range compounds are significant; no recognizable pattern
e4 Gasoline range compounds are significant.
e7 Oil range compounds are significant

Quality Control Qualifiers

F2 LCS/LCSD recovery and/or RPD is out of acceptance criteria.
F3 The surrogate standard recovery and/or RPD is outside of acceptance limits.



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-7	1707208-004A	Soil	07/07/2017 13:58	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/08/2017 11:28
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/08/2017 11:28
Benzene	ND	0.0050	1	07/08/2017 11:28
Bromobenzene	ND	0.0050	1	07/08/2017 11:28
Bromochloromethane	ND	0.0050	1	07/08/2017 11:28
Bromodichloromethane	ND	0.0050	1	07/08/2017 11:28
Bromoform	ND	0.0050	1	07/08/2017 11:28
Bromomethane	ND	0.0050	1	07/08/2017 11:28
2-Butanone (MEK)	ND	0.020	1	07/08/2017 11:28
t-Butyl alcohol (TBA)	ND	0.050	1	07/08/2017 11:28
n-Butyl benzene	ND	0.0050	1	07/08/2017 11:28
sec-Butyl benzene	ND	0.0050	1	07/08/2017 11:28
tert-Butyl benzene	ND	0.0050	1	07/08/2017 11:28
Carbon Disulfide	ND	0.0050	1	07/08/2017 11:28
Carbon Tetrachloride	ND	0.0050	1	07/08/2017 11:28
Chlorobenzene	ND	0.0050	1	07/08/2017 11:28
Chloroethane	ND	0.0050	1	07/08/2017 11:28
Chloroform	ND	0.0050	1	07/08/2017 11:28
Chloromethane	ND	0.0050	1	07/08/2017 11:28
2-Chlorotoluene	ND	0.0050	1	07/08/2017 11:28
4-Chlorotoluene	ND	0.0050	1	07/08/2017 11:28
Dibromochloromethane	ND	0.0050	1	07/08/2017 11:28
1,2-Dibromo-3-chloropropane	ND	0.0040	1	07/08/2017 11:28
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/08/2017 11:28
Dibromomethane	ND	0.0050	1	07/08/2017 11:28
1,2-Dichlorobenzene	ND	0.0050	1	07/08/2017 11:28
1,3-Dichlorobenzene	ND	0.0050	1	07/08/2017 11:28
1,4-Dichlorobenzene	ND	0.0050	1	07/08/2017 11:28
Dichlorodifluoromethane	ND	0.0050	1	07/08/2017 11:28
1,1-Dichloroethane	ND	0.0050	1	07/08/2017 11:28
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/08/2017 11:28
1,1-Dichloroethene	ND	0.0050	1	07/08/2017 11:28
cis-1,2-Dichloroethene	ND	0.0050	1	07/08/2017 11:28
trans-1,2-Dichloroethene	ND	0.0050	1	07/08/2017 11:28
1,2-Dichloropropane	ND	0.0050	1	07/08/2017 11:28
1,3-Dichloropropane	ND	0.0050	1	07/08/2017 11:28
2,2-Dichloropropane	ND	0.0050	1	07/08/2017 11:28

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-7	1707208-004A	Soil	07/07/2017 13:58	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/08/2017 11:28
cis-1,3-Dichloropropene	ND	0.0050	1	07/08/2017 11:28
trans-1,3-Dichloropropene	ND	0.0050	1	07/08/2017 11:28
Diisopropyl ether (DIPE)	ND	0.0050	1	07/08/2017 11:28
Ethylbenzene	ND	0.0050	1	07/08/2017 11:28
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/08/2017 11:28
Freon 113	ND	0.0050	1	07/08/2017 11:28
Hexachlorobutadiene	ND	0.0050	1	07/08/2017 11:28
Hexachloroethane	ND	0.0050	1	07/08/2017 11:28
2-Hexanone	ND	0.0050	1	07/08/2017 11:28
Isopropylbenzene	ND	0.0050	1	07/08/2017 11:28
4-Isopropyl toluene	ND	0.0050	1	07/08/2017 11:28
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/08/2017 11:28
Methylene chloride	ND	0.0050	1	07/08/2017 11:28
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/08/2017 11:28
Naphthalene	ND	0.0050	1	07/08/2017 11:28
n-Propyl benzene	ND	0.0050	1	07/08/2017 11:28
Styrene	ND	0.0050	1	07/08/2017 11:28
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/08/2017 11:28
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/08/2017 11:28
Tetrachloroethene	ND	0.0050	1	07/08/2017 11:28
Toluene	ND	0.0050	1	07/08/2017 11:28
1,2,3-Trichlorobenzene	ND	0.0050	1	07/08/2017 11:28
1,2,4-Trichlorobenzene	ND	0.0050	1	07/08/2017 11:28
1,1,1-Trichloroethane	ND	0.0050	1	07/08/2017 11:28
1,1,2-Trichloroethane	ND	0.0050	1	07/08/2017 11:28
Trichloroethene	ND	0.0050	1	07/08/2017 11:28
Trichlorofluoromethane	ND	0.0050	1	07/08/2017 11:28
1,2,3-Trichloropropane	ND	0.0050	1	07/08/2017 11:28
1,2,4-Trimethylbenzene	ND	0.0050	1	07/08/2017 11:28
1,3,5-Trimethylbenzene	ND	0.0050	1	07/08/2017 11:28
Vinyl Chloride	ND	0.0050	1	07/08/2017 11:28
Xylenes, Total	ND	0.0050	1	07/08/2017 11:28

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-7	1707208-004A	Soil	07/07/2017 13:58	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	
Dibromofluoromethane	108	70-130		07/08/2017 11:28
Toluene-d8	130	70-130		07/08/2017 11:28
4-BFB	114	70-130		07/08/2017 11:28
Benzene-d6	102	60-140		07/08/2017 11:28
Ethylbenzene-d10	120	60-140		07/08/2017 11:28
1,2-DCB-d4	88	60-140		07/08/2017 11:28

Analyst(s): KF



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-8	1707208-009A	Soil	07/07/2017 14:45	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/08/2017 12:08
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/08/2017 12:08
Benzene	ND	0.0050	1	07/08/2017 12:08
Bromobenzene	ND	0.0050	1	07/08/2017 12:08
Bromochloromethane	ND	0.0050	1	07/08/2017 12:08
Bromodichloromethane	ND	0.0050	1	07/08/2017 12:08
Bromoform	ND	0.0050	1	07/08/2017 12:08
Bromomethane	ND	0.0050	1	07/08/2017 12:08
2-Butanone (MEK)	ND	0.020	1	07/08/2017 12:08
t-Butyl alcohol (TBA)	ND	0.050	1	07/08/2017 12:08
n-Butyl benzene	ND	0.0050	1	07/08/2017 12:08
sec-Butyl benzene	ND	0.0050	1	07/08/2017 12:08
tert-Butyl benzene	ND	0.0050	1	07/08/2017 12:08
Carbon Disulfide	ND	0.0050	1	07/08/2017 12:08
Carbon Tetrachloride	ND	0.0050	1	07/08/2017 12:08
Chlorobenzene	ND	0.0050	1	07/08/2017 12:08
Chloroethane	ND	0.0050	1	07/08/2017 12:08
Chloroform	ND	0.0050	1	07/08/2017 12:08
Chloromethane	ND	0.0050	1	07/08/2017 12:08
2-Chlorotoluene	ND	0.0050	1	07/08/2017 12:08
4-Chlorotoluene	ND	0.0050	1	07/08/2017 12:08
Dibromochloromethane	ND	0.0050	1	07/08/2017 12:08
1,2-Dibromo-3-chloropropane	ND	0.0040	1	07/08/2017 12:08
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/08/2017 12:08
Dibromomethane	ND	0.0050	1	07/08/2017 12:08
1,2-Dichlorobenzene	ND	0.0050	1	07/08/2017 12:08
1,3-Dichlorobenzene	ND	0.0050	1	07/08/2017 12:08
1,4-Dichlorobenzene	ND	0.0050	1	07/08/2017 12:08
Dichlorodifluoromethane	ND	0.0050	1	07/08/2017 12:08
1,1-Dichloroethane	ND	0.0050	1	07/08/2017 12:08
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/08/2017 12:08
1,1-Dichloroethene	ND	0.0050	1	07/08/2017 12:08
cis-1,2-Dichloroethene	ND	0.0050	1	07/08/2017 12:08
trans-1,2-Dichloroethene	ND	0.0050	1	07/08/2017 12:08
1,2-Dichloropropane	ND	0.0050	1	07/08/2017 12:08
1,3-Dichloropropane	ND	0.0050	1	07/08/2017 12:08
2,2-Dichloropropane	ND	0.0050	1	07/08/2017 12:08

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-8	1707208-009A	Soil	07/07/2017 14:45	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/08/2017 12:08
cis-1,3-Dichloropropene	ND	0.0050	1	07/08/2017 12:08
trans-1,3-Dichloropropene	ND	0.0050	1	07/08/2017 12:08
Diisopropyl ether (DIPE)	ND	0.0050	1	07/08/2017 12:08
Ethylbenzene	ND	0.0050	1	07/08/2017 12:08
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/08/2017 12:08
Freon 113	ND	0.0050	1	07/08/2017 12:08
Hexachlorobutadiene	ND	0.0050	1	07/08/2017 12:08
Hexachloroethane	ND	0.0050	1	07/08/2017 12:08
2-Hexanone	ND	0.0050	1	07/08/2017 12:08
Isopropylbenzene	ND	0.0050	1	07/08/2017 12:08
4-Isopropyl toluene	ND	0.0050	1	07/08/2017 12:08
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/08/2017 12:08
Methylene chloride	ND	0.0050	1	07/08/2017 12:08
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/08/2017 12:08
Naphthalene	ND	0.0050	1	07/08/2017 12:08
n-Propyl benzene	ND	0.0050	1	07/08/2017 12:08
Styrene	ND	0.0050	1	07/08/2017 12:08
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/08/2017 12:08
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/08/2017 12:08
Tetrachloroethene	ND	0.0050	1	07/08/2017 12:08
Toluene	ND	0.0050	1	07/08/2017 12:08
1,2,3-Trichlorobenzene	ND	0.0050	1	07/08/2017 12:08
1,2,4-Trichlorobenzene	ND	0.0050	1	07/08/2017 12:08
1,1,1-Trichloroethane	ND	0.0050	1	07/08/2017 12:08
1,1,2-Trichloroethane	ND	0.0050	1	07/08/2017 12:08
Trichloroethene	ND	0.0050	1	07/08/2017 12:08
Trichlorofluoromethane	ND	0.0050	1	07/08/2017 12:08
1,2,3-Trichloropropane	ND	0.0050	1	07/08/2017 12:08
1,2,4-Trimethylbenzene	ND	0.0050	1	07/08/2017 12:08
1,3,5-Trimethylbenzene	ND	0.0050	1	07/08/2017 12:08
Vinyl Chloride	ND	0.0050	1	07/08/2017 12:08
Xylenes, Total	ND	0.0050	1	07/08/2017 12:08

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-8	1707208-009A	Soil	07/07/2017 14:45	GC10	141687

Analytes	Result		RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>		
Dibromofluoromethane	108		70-130		07/08/2017 12:08
Toluene-d8	131	S	70-130		07/08/2017 12:08
4-BFB	117		70-130		07/08/2017 12:08
Benzene-d6	97		60-140		07/08/2017 12:08
Ethylbenzene-d10	114		60-140		07/08/2017 12:08
1,2-DCB-d4	85		60-140		07/08/2017 12:08

Analyst(s): KF

Analytical Comments: c2



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-9	1707208-012A	Soil	07/07/2017 14:24	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/08/2017 12:49
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/08/2017 12:49
Benzene	ND	0.0050	1	07/08/2017 12:49
Bromobenzene	ND	0.0050	1	07/08/2017 12:49
Bromochloromethane	ND	0.0050	1	07/08/2017 12:49
Bromodichloromethane	ND	0.0050	1	07/08/2017 12:49
Bromoform	ND	0.0050	1	07/08/2017 12:49
Bromomethane	ND	0.0050	1	07/08/2017 12:49
2-Butanone (MEK)	ND	0.020	1	07/08/2017 12:49
t-Butyl alcohol (TBA)	ND	0.050	1	07/08/2017 12:49
n-Butyl benzene	ND	0.0050	1	07/08/2017 12:49
sec-Butyl benzene	ND	0.0050	1	07/08/2017 12:49
tert-Butyl benzene	ND	0.0050	1	07/08/2017 12:49
Carbon Disulfide	ND	0.0050	1	07/08/2017 12:49
Carbon Tetrachloride	ND	0.0050	1	07/08/2017 12:49
Chlorobenzene	ND	0.0050	1	07/08/2017 12:49
Chloroethane	ND	0.0050	1	07/08/2017 12:49
Chloroform	ND	0.0050	1	07/08/2017 12:49
Chloromethane	ND	0.0050	1	07/08/2017 12:49
2-Chlorotoluene	ND	0.0050	1	07/08/2017 12:49
4-Chlorotoluene	ND	0.0050	1	07/08/2017 12:49
Dibromochloromethane	ND	0.0050	1	07/08/2017 12:49
1,2-Dibromo-3-chloropropane	ND	0.0040	1	07/08/2017 12:49
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/08/2017 12:49
Dibromomethane	ND	0.0050	1	07/08/2017 12:49
1,2-Dichlorobenzene	ND	0.0050	1	07/08/2017 12:49
1,3-Dichlorobenzene	ND	0.0050	1	07/08/2017 12:49
1,4-Dichlorobenzene	ND	0.0050	1	07/08/2017 12:49
Dichlorodifluoromethane	ND	0.0050	1	07/08/2017 12:49
1,1-Dichloroethane	ND	0.0050	1	07/08/2017 12:49
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/08/2017 12:49
1,1-Dichloroethene	ND	0.0050	1	07/08/2017 12:49
cis-1,2-Dichloroethene	ND	0.0050	1	07/08/2017 12:49
trans-1,2-Dichloroethene	ND	0.0050	1	07/08/2017 12:49
1,2-Dichloropropane	ND	0.0050	1	07/08/2017 12:49
1,3-Dichloropropane	ND	0.0050	1	07/08/2017 12:49
2,2-Dichloropropane	ND	0.0050	1	07/08/2017 12:49

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-9	1707208-012A	Soil	07/07/2017 14:24	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/08/2017 12:49
cis-1,3-Dichloropropene	ND	0.0050	1	07/08/2017 12:49
trans-1,3-Dichloropropene	ND	0.0050	1	07/08/2017 12:49
Diisopropyl ether (DIPE)	ND	0.0050	1	07/08/2017 12:49
Ethylbenzene	ND	0.0050	1	07/08/2017 12:49
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/08/2017 12:49
Freon 113	ND	0.0050	1	07/08/2017 12:49
Hexachlorobutadiene	ND	0.0050	1	07/08/2017 12:49
Hexachloroethane	ND	0.0050	1	07/08/2017 12:49
2-Hexanone	ND	0.0050	1	07/08/2017 12:49
Isopropylbenzene	ND	0.0050	1	07/08/2017 12:49
4-Isopropyl toluene	ND	0.0050	1	07/08/2017 12:49
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/08/2017 12:49
Methylene chloride	ND	0.0050	1	07/08/2017 12:49
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/08/2017 12:49
Naphthalene	ND	0.0050	1	07/08/2017 12:49
n-Propyl benzene	ND	0.0050	1	07/08/2017 12:49
Styrene	ND	0.0050	1	07/08/2017 12:49
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/08/2017 12:49
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/08/2017 12:49
Tetrachloroethene	ND	0.0050	1	07/08/2017 12:49
Toluene	ND	0.0050	1	07/08/2017 12:49
1,2,3-Trichlorobenzene	ND	0.0050	1	07/08/2017 12:49
1,2,4-Trichlorobenzene	ND	0.0050	1	07/08/2017 12:49
1,1,1-Trichloroethane	ND	0.0050	1	07/08/2017 12:49
1,1,2-Trichloroethane	ND	0.0050	1	07/08/2017 12:49
Trichloroethene	ND	0.0050	1	07/08/2017 12:49
Trichlorofluoromethane	ND	0.0050	1	07/08/2017 12:49
1,2,3-Trichloropropane	ND	0.0050	1	07/08/2017 12:49
1,2,4-Trimethylbenzene	ND	0.0050	1	07/08/2017 12:49
1,3,5-Trimethylbenzene	ND	0.0050	1	07/08/2017 12:49
Vinyl Chloride	ND	0.0050	1	07/08/2017 12:49
Xylenes, Total	ND	0.0050	1	07/08/2017 12:49

(Cont.)



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-9	1707208-012A	Soil	07/07/2017 14:24	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	
Dibromofluoromethane	108		70-130	07/08/2017 12:49
Toluene-d8	127		70-130	07/08/2017 12:49
4-BFB	119		70-130	07/08/2017 12:49
Benzene-d6	105		60-140	07/08/2017 12:49
Ethylbenzene-d10	127		60-140	07/08/2017 12:49
1,2-DCB-d4	92		60-140	07/08/2017 12:49

Analyst(s): KF



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-9.5	1707208-014A	Soil	07/07/2017 12:52	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	07/08/2017 17:42
tert-Amyl methyl ether (TAME)	ND	0.0050	1	07/08/2017 17:42
Benzene	ND	0.0050	1	07/08/2017 17:42
Bromobenzene	ND	0.0050	1	07/08/2017 17:42
Bromochloromethane	ND	0.0050	1	07/08/2017 17:42
Bromodichloromethane	ND	0.0050	1	07/08/2017 17:42
Bromoform	ND	0.0050	1	07/08/2017 17:42
Bromomethane	ND	0.0050	1	07/08/2017 17:42
2-Butanone (MEK)	ND	0.020	1	07/08/2017 17:42
t-Butyl alcohol (TBA)	ND	0.050	1	07/08/2017 17:42
n-Butyl benzene	ND	0.0050	1	07/08/2017 17:42
sec-Butyl benzene	ND	0.0050	1	07/08/2017 17:42
tert-Butyl benzene	ND	0.0050	1	07/08/2017 17:42
Carbon Disulfide	ND	0.0050	1	07/08/2017 17:42
Carbon Tetrachloride	ND	0.0050	1	07/08/2017 17:42
Chlorobenzene	ND	0.0050	1	07/08/2017 17:42
Chloroethane	ND	0.0050	1	07/08/2017 17:42
Chloroform	ND	0.0050	1	07/08/2017 17:42
Chloromethane	ND	0.0050	1	07/08/2017 17:42
2-Chlorotoluene	ND	0.0050	1	07/08/2017 17:42
4-Chlorotoluene	ND	0.0050	1	07/08/2017 17:42
Dibromochloromethane	ND	0.0050	1	07/08/2017 17:42
1,2-Dibromo-3-chloropropane	ND	0.0040	1	07/08/2017 17:42
1,2-Dibromoethane (EDB)	ND	0.0040	1	07/08/2017 17:42
Dibromomethane	ND	0.0050	1	07/08/2017 17:42
1,2-Dichlorobenzene	ND	0.0050	1	07/08/2017 17:42
1,3-Dichlorobenzene	ND	0.0050	1	07/08/2017 17:42
1,4-Dichlorobenzene	ND	0.0050	1	07/08/2017 17:42
Dichlorodifluoromethane	ND	0.0050	1	07/08/2017 17:42
1,1-Dichloroethane	ND	0.0050	1	07/08/2017 17:42
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	07/08/2017 17:42
1,1-Dichloroethene	ND	0.0050	1	07/08/2017 17:42
cis-1,2-Dichloroethene	ND	0.0050	1	07/08/2017 17:42
trans-1,2-Dichloroethene	ND	0.0050	1	07/08/2017 17:42
1,2-Dichloropropane	ND	0.0050	1	07/08/2017 17:42
1,3-Dichloropropane	ND	0.0050	1	07/08/2017 17:42
2,2-Dichloropropane	ND	0.0050	1	07/08/2017 17:42

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Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-9.5	1707208-014A	Soil	07/07/2017 12:52	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	07/08/2017 17:42
cis-1,3-Dichloropropene	ND	0.0050	1	07/08/2017 17:42
trans-1,3-Dichloropropene	ND	0.0050	1	07/08/2017 17:42
Diisopropyl ether (DIPE)	ND	0.0050	1	07/08/2017 17:42
Ethylbenzene	ND	0.0050	1	07/08/2017 17:42
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	07/08/2017 17:42
Freon 113	ND	0.0050	1	07/08/2017 17:42
Hexachlorobutadiene	ND	0.0050	1	07/08/2017 17:42
Hexachloroethane	ND	0.0050	1	07/08/2017 17:42
2-Hexanone	ND	0.0050	1	07/08/2017 17:42
Isopropylbenzene	ND	0.0050	1	07/08/2017 17:42
4-Isopropyl toluene	ND	0.0050	1	07/08/2017 17:42
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	07/08/2017 17:42
Methylene chloride	ND	0.0050	1	07/08/2017 17:42
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	07/08/2017 17:42
Naphthalene	ND	0.0050	1	07/08/2017 17:42
n-Propyl benzene	ND	0.0050	1	07/08/2017 17:42
Styrene	ND	0.0050	1	07/08/2017 17:42
1,1,1,2-Tetrachloroethane	ND	0.0050	1	07/08/2017 17:42
1,1,2,2-Tetrachloroethane	ND	0.0050	1	07/08/2017 17:42
Tetrachloroethene	ND	0.0050	1	07/08/2017 17:42
Toluene	ND	0.0050	1	07/08/2017 17:42
1,2,3-Trichlorobenzene	ND	0.0050	1	07/08/2017 17:42
1,2,4-Trichlorobenzene	ND	0.0050	1	07/08/2017 17:42
1,1,1-Trichloroethane	ND	0.0050	1	07/08/2017 17:42
1,1,2-Trichloroethane	ND	0.0050	1	07/08/2017 17:42
Trichloroethene	ND	0.0050	1	07/08/2017 17:42
Trichlorofluoromethane	ND	0.0050	1	07/08/2017 17:42
1,2,3-Trichloropropane	ND	0.0050	1	07/08/2017 17:42
1,2,4-Trimethylbenzene	ND	0.0050	1	07/08/2017 17:42
1,3,5-Trimethylbenzene	ND	0.0050	1	07/08/2017 17:42
Vinyl Chloride	ND	0.0050	1	07/08/2017 17:42
Xylenes, Total	ND	0.0050	1	07/08/2017 17:42

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Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-9.5	1707208-014A	Soil	07/07/2017 12:52	GC10	141687

Analytes	Result	RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	
Dibromofluoromethane	108		70-130	07/08/2017 17:42
Toluene-d8	130		70-130	07/08/2017 17:42
4-BFB	121		70-130	07/08/2017 17:42
Benzene-d6	95		60-140	07/08/2017 17:42
Ethylbenzene-d10	111		60-140	07/08/2017 17:42
1,2-DCB-d4	84		60-140	07/08/2017 17:42

Analyst(s): KF



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/11/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3	1707208-001B	Water	07/07/2017 12:35	GC10	141818

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	07/11/2017 14:15
tert-Amyl methyl ether (TAME)	ND	0.50	1	07/11/2017 14:15
Benzene	ND	0.50	1	07/11/2017 14:15
Bromobenzene	ND	0.50	1	07/11/2017 14:15
Bromochloromethane	ND	0.50	1	07/11/2017 14:15
Bromodichloromethane	ND	0.50	1	07/11/2017 14:15
Bromoform	ND	0.50	1	07/11/2017 14:15
Bromomethane	ND	0.50	1	07/11/2017 14:15
2-Butanone (MEK)	3.2	2.0	1	07/11/2017 14:15
t-Butyl alcohol (TBA)	ND	2.0	1	07/11/2017 14:15
n-Butyl benzene	ND	0.50	1	07/11/2017 14:15
sec-Butyl benzene	ND	0.50	1	07/11/2017 14:15
tert-Butyl benzene	ND	0.50	1	07/11/2017 14:15
Carbon Disulfide	ND	0.50	1	07/11/2017 14:15
Carbon Tetrachloride	ND	0.50	1	07/11/2017 14:15
Chlorobenzene	ND	0.50	1	07/11/2017 14:15
Chloroethane	ND	0.50	1	07/11/2017 14:15
Chloroform	ND	0.50	1	07/11/2017 14:15
Chloromethane	ND	0.50	1	07/11/2017 14:15
2-Chlorotoluene	ND	0.50	1	07/11/2017 14:15
4-Chlorotoluene	ND	0.50	1	07/11/2017 14:15
Dibromochloromethane	ND	0.50	1	07/11/2017 14:15
1,2-Dibromo-3-chloropropane	ND	0.20	1	07/11/2017 14:15
1,2-Dibromoethane (EDB)	ND	0.50	1	07/11/2017 14:15
Dibromomethane	ND	0.50	1	07/11/2017 14:15
1,2-Dichlorobenzene	ND	0.50	1	07/11/2017 14:15
1,3-Dichlorobenzene	ND	0.50	1	07/11/2017 14:15
1,4-Dichlorobenzene	ND	0.50	1	07/11/2017 14:15
Dichlorodifluoromethane	ND	0.50	1	07/11/2017 14:15
1,1-Dichloroethane	ND	0.50	1	07/11/2017 14:15
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	07/11/2017 14:15
1,1-Dichloroethene	ND	0.50	1	07/11/2017 14:15
cis-1,2-Dichloroethene	ND	0.50	1	07/11/2017 14:15
trans-1,2-Dichloroethene	ND	0.50	1	07/11/2017 14:15
1,2-Dichloropropane	ND	0.50	1	07/11/2017 14:15
1,3-Dichloropropane	ND	0.50	1	07/11/2017 14:15
2,2-Dichloropropane	ND	0.50	1	07/11/2017 14:15

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Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/11/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3	1707208-001B	Water	07/07/2017 12:35	GC10	141818
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
1,1-Dichloropropene	ND		0.50	1	07/11/2017 14:15
cis-1,3-Dichloropropene	ND		0.50	1	07/11/2017 14:15
trans-1,3-Dichloropropene	ND		0.50	1	07/11/2017 14:15
Diisopropyl ether (DIPE)	ND		0.50	1	07/11/2017 14:15
Ethylbenzene	ND		0.50	1	07/11/2017 14:15
Ethyl tert-butyl ether (ETBE)	ND		0.50	1	07/11/2017 14:15
Freon 113	ND		0.50	1	07/11/2017 14:15
Hexachlorobutadiene	ND		0.50	1	07/11/2017 14:15
Hexachloroethane	ND		0.50	1	07/11/2017 14:15
2-Hexanone	ND		0.50	1	07/11/2017 14:15
Isopropylbenzene	ND		0.50	1	07/11/2017 14:15
4-Isopropyl toluene	ND		0.50	1	07/11/2017 14:15
Methyl-t-butyl ether (MTBE)	ND		0.50	1	07/11/2017 14:15
Methylene chloride	ND		0.50	1	07/11/2017 14:15
4-Methyl-2-pentanone (MIBK)	ND		0.50	1	07/11/2017 14:15
Naphthalene	ND		0.50	1	07/11/2017 14:15
n-Propyl benzene	ND		0.50	1	07/11/2017 14:15
Styrene	ND		0.50	1	07/11/2017 14:15
1,1,1,2-Tetrachloroethane	ND		0.50	1	07/11/2017 14:15
1,1,2,2-Tetrachloroethane	ND		0.50	1	07/11/2017 14:15
Tetrachloroethene	ND		0.50	1	07/11/2017 14:15
Toluene	ND		0.50	1	07/11/2017 14:15
1,2,3-Trichlorobenzene	ND		0.50	1	07/11/2017 14:15
1,2,4-Trichlorobenzene	ND		0.50	1	07/11/2017 14:15
1,1,1-Trichloroethane	ND		0.50	1	07/11/2017 14:15
1,1,2-Trichloroethane	ND		0.50	1	07/11/2017 14:15
Trichloroethene	ND		0.50	1	07/11/2017 14:15
Trichlorofluoromethane	ND		0.50	1	07/11/2017 14:15
1,2,3-Trichloropropane	ND		0.50	1	07/11/2017 14:15
1,2,4-Trimethylbenzene	0.58		0.50	1	07/11/2017 14:15
1,3,5-Trimethylbenzene	ND		0.50	1	07/11/2017 14:15
Vinyl Chloride	ND		0.50	1	07/11/2017 14:15
Xylenes, Total	0.52		0.50	1	07/11/2017 14:15

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Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/11/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3	1707208-001B	Water	07/07/2017 12:35	GC10	141818

Analytes	Result	RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
Dibromofluoromethane	111	70-130		07/11/2017 14:15
Toluene-d8	112	70-130		07/11/2017 14:15
4-BFB	112	70-130		07/11/2017 14:15
<u>Analyst(s):</u> HK	<u>Analytical Comments:</u> b1			



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/11/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4	1707208-002B	Water	07/07/2017 13:45	GC28	141818

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	100	10	07/11/2017 17:28
tert-Amyl methyl ether (TAME)	ND	5.0	10	07/11/2017 17:28
Benzene	21	5.0	10	07/11/2017 17:28
Bromobenzene	ND	5.0	10	07/11/2017 17:28
Bromochloromethane	ND	5.0	10	07/11/2017 17:28
Bromodichloromethane	ND	5.0	10	07/11/2017 17:28
Bromoform	ND	5.0	10	07/11/2017 17:28
Bromomethane	ND	5.0	10	07/11/2017 17:28
2-Butanone (MEK)	ND	20	10	07/11/2017 17:28
t-Butyl alcohol (TBA)	54	20	10	07/11/2017 17:28
n-Butyl benzene	7.3	5.0	10	07/11/2017 17:28
sec-Butyl benzene	ND	5.0	10	07/11/2017 17:28
tert-Butyl benzene	ND	5.0	10	07/11/2017 17:28
Carbon Disulfide	ND	5.0	10	07/11/2017 17:28
Carbon Tetrachloride	ND	5.0	10	07/11/2017 17:28
Chlorobenzene	ND	5.0	10	07/11/2017 17:28
Chloroethane	ND	5.0	10	07/11/2017 17:28
Chloroform	ND	5.0	10	07/11/2017 17:28
Chloromethane	ND	5.0	10	07/11/2017 17:28
2-Chlorotoluene	ND	5.0	10	07/11/2017 17:28
4-Chlorotoluene	ND	5.0	10	07/11/2017 17:28
Dibromochloromethane	ND	5.0	10	07/11/2017 17:28
1,2-Dibromo-3-chloropropane	ND	2.0	10	07/11/2017 17:28
1,2-Dibromoethane (EDB)	ND	5.0	10	07/11/2017 17:28
Dibromomethane	ND	5.0	10	07/11/2017 17:28
1,2-Dichlorobenzene	ND	5.0	10	07/11/2017 17:28
1,3-Dichlorobenzene	ND	5.0	10	07/11/2017 17:28
1,4-Dichlorobenzene	ND	5.0	10	07/11/2017 17:28
Dichlorodifluoromethane	ND	5.0	10	07/11/2017 17:28
1,1-Dichloroethane	ND	5.0	10	07/11/2017 17:28
1,2-Dichloroethane (1,2-DCA)	ND	5.0	10	07/11/2017 17:28
1,1-Dichloroethene	ND	5.0	10	07/11/2017 17:28
cis-1,2-Dichloroethene	ND	5.0	10	07/11/2017 17:28
trans-1,2-Dichloroethene	ND	5.0	10	07/11/2017 17:28
1,2-Dichloropropane	ND	5.0	10	07/11/2017 17:28
1,3-Dichloropropane	ND	5.0	10	07/11/2017 17:28
2,2-Dichloropropane	ND	5.0	10	07/11/2017 17:28

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Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/11/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4	1707208-002B	Water	07/07/2017 13:45	GC28	141818

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	5.0	10	07/11/2017 17:28
cis-1,3-Dichloropropene	ND	5.0	10	07/11/2017 17:28
trans-1,3-Dichloropropene	ND	5.0	10	07/11/2017 17:28
Diisopropyl ether (DIPE)	ND	5.0	10	07/11/2017 17:28
Ethylbenzene	50	5.0	10	07/11/2017 17:28
Ethyl tert-butyl ether (ETBE)	ND	5.0	10	07/11/2017 17:28
Freon 113	ND	5.0	10	07/11/2017 17:28
Hexachlorobutadiene	ND	5.0	10	07/11/2017 17:28
Hexachloroethane	ND	5.0	10	07/11/2017 17:28
2-Hexanone	ND	5.0	10	07/11/2017 17:28
Isopropylbenzene	ND	5.0	10	07/11/2017 17:28
4-Isopropyl toluene	5.2	5.0	10	07/11/2017 17:28
Methyl-t-butyl ether (MTBE)	16	5.0	10	07/11/2017 17:28
Methylene chloride	6.2	5.0	10	07/11/2017 17:28
4-Methyl-2-pentanone (MIBK)	ND	5.0	10	07/11/2017 17:28
Naphthalene	38	5.0	10	07/11/2017 17:28
n-Propyl benzene	15	5.0	10	07/11/2017 17:28
Styrene	ND	5.0	10	07/11/2017 17:28
1,1,1,2-Tetrachloroethane	ND	5.0	10	07/11/2017 17:28
1,1,2,2-Tetrachloroethane	ND	5.0	10	07/11/2017 17:28
Tetrachloroethene	ND	5.0	10	07/11/2017 17:28
Toluene	150	5.0	10	07/11/2017 17:28
1,2,3-Trichlorobenzene	ND	5.0	10	07/11/2017 17:28
1,2,4-Trichlorobenzene	ND	5.0	10	07/11/2017 17:28
1,1,1-Trichloroethane	ND	5.0	10	07/11/2017 17:28
1,1,2-Trichloroethane	ND	5.0	10	07/11/2017 17:28
Trichloroethene	ND	5.0	10	07/11/2017 17:28
Trichlorofluoromethane	ND	5.0	10	07/11/2017 17:28
1,2,3-Trichloropropane	ND	5.0	10	07/11/2017 17:28
1,2,4-Trimethylbenzene	150	5.0	10	07/11/2017 17:28
1,3,5-Trimethylbenzene	48	5.0	10	07/11/2017 17:28
Vinyl Chloride	ND	5.0	10	07/11/2017 17:28
Xylenes, Total	410	5.0	10	07/11/2017 17:28

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Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/11/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4	1707208-002B	Water	07/07/2017 13:45	GC28	141818

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	125	70-130		07/11/2017 17:28
Toluene-d8	116	70-130		07/11/2017 17:28
4-BFB	108	70-130		07/11/2017 17:28
Analyst(s): AK	Analytical Comments: b1			



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: mg/Kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-7	1707208-004A	Soil	07/07/2017 13:58	GC7	141686

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/08/2017 13:40
MTBE	---	0.050	1	07/08/2017 13:40
Benzene	---	0.0050	1	07/08/2017 13:40
Toluene	---	0.0050	1	07/08/2017 13:40
Ethylbenzene	---	0.0050	1	07/08/2017 13:40
Xylenes	---	0.015	1	07/08/2017 13:40

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorotoluene	79	62-126	07/08/2017 13:40

Analyst(s): HD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-8	1707208-009A	Soil	07/07/2017 14:45	GC7	141686

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/08/2017 14:46
MTBE	---	0.050	1	07/08/2017 14:46
Benzene	---	0.0050	1	07/08/2017 14:46
Toluene	---	0.0050	1	07/08/2017 14:46
Ethylbenzene	---	0.0050	1	07/08/2017 14:46
Xylenes	---	0.015	1	07/08/2017 14:46

Surrogates	REC (%)	Limits	Date Analyzed
2-Fluorotoluene	77	62-126	07/08/2017 14:46

Analyst(s): HD



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: mg/Kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-9	1707208-012A	Soil	07/07/2017 14:24	GC7	141686

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/08/2017 15:18
MTBE	---	0.050	1	07/08/2017 15:18
Benzene	---	0.0050	1	07/08/2017 15:18
Toluene	---	0.0050	1	07/08/2017 15:18
Ethylbenzene	---	0.0050	1	07/08/2017 15:18
Xylenes	---	0.015	1	07/08/2017 15:18
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorotoluene	77	62-126		07/08/2017 15:18

Analyst(s): HD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-9.5	1707208-014A	Soil	07/07/2017 12:52	GC7	141686

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	07/08/2017 15:52
MTBE	---	0.050	1	07/08/2017 15:52
Benzene	---	0.0050	1	07/08/2017 15:52
Toluene	---	0.0050	1	07/08/2017 15:52
Ethylbenzene	---	0.0050	1	07/08/2017 15:52
Xylenes	---	0.015	1	07/08/2017 15:52
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorotoluene	78	62-126		07/08/2017 15:52

Analyst(s): HD



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/8/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: µg/L

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3	1707208-001A	Water	07/07/2017 12:35	GC3	141734

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	50	1	07/08/2017 16:00
MTBE	---	5.0	1	07/08/2017 16:00
Benzene	---	0.50	1	07/08/2017 16:00
Toluene	---	0.50	1	07/08/2017 16:00
Ethylbenzene	---	0.50	1	07/08/2017 16:00
Xylenes	---	1.5	1	07/08/2017 16:00

Surrogates	REC (%)	Limits	Date Analyzed
aaa-TFT	97	89-115	07/08/2017 16:00

Analyst(s): HD Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4	1707208-002A	Water	07/07/2017 13:45	GC3	141734

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	3800	50	1	07/08/2017 17:08
MTBE	---	5.0	1	07/08/2017 17:08
Benzene	---	0.50	1	07/08/2017 17:08
Toluene	---	0.50	1	07/08/2017 17:08
Ethylbenzene	---	0.50	1	07/08/2017 17:08
Xylenes	---	1.5	1	07/08/2017 17:08

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
aaa-TFT	127	S	89-115	07/08/2017 17:08

Analyst(s): HD Analytical Comments: d1,c4,b1



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4-7	1707208-004A	Soil	07/07/2017 13:58	GC6B	141682
<u>Analytes</u>					
	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		1.0	1	07/08/2017 06:55
TPH-Motor Oil (C18-C36)	ND		5.0	1	07/08/2017 06:55
<u>Surrogates</u>					
	<u>REC (%)</u>		<u>Limits</u>		
C9	102		78-109		07/08/2017 06:55
<u>Analyst(s):</u> TK					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1-8	1707208-009A	Soil	07/07/2017 14:45	GC6B	141682
<u>Analytes</u>					
	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		1.0	1	07/08/2017 05:37
TPH-Motor Oil (C18-C36)	ND		5.0	1	07/08/2017 05:37
<u>Surrogates</u>					
	<u>REC (%)</u>		<u>Limits</u>		
C9	101		78-109		07/08/2017 05:37
<u>Analyst(s):</u> TK					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2-9	1707208-012A	Soil	07/07/2017 14:24	GC6B	141682
<u>Analytes</u>					
	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		1.0	1	07/08/2017 09:30
TPH-Motor Oil (C18-C36)	12		5.0	1	07/08/2017 09:30
<u>Surrogates</u>					
	<u>REC (%)</u>		<u>Limits</u>		
C9	103		78-109		07/08/2017 09:30
<u>Analyst(s):</u> TK			<u>Analytical Comments:</u> e7		

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Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3-9.5	1707208-014A	Soil	07/07/2017 12:52	GC6B	141682

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	07/08/2017 04:20
TPH-Motor Oil (C18-C36)	ND	5.0	1	07/08/2017 04:20

Surrogates	REC (%)	Limits	Date Analyzed
C9	101	78-109	07/08/2017 04:20

Analyst(s): TK



Analytical Report

Client: AEI Consultants
Date Received: 7/7/17 18:00
Date Prepared: 7/7/17
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
Extraction Method: SW3510C
Analytical Method: SW8015B
Unit: µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3	1707208-001A	Water	07/07/2017 12:35	GC6B	141693

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	200	50	1	07/08/2017 08:13
TPH-Motor Oil (C18-C36)	1300	250	1	07/08/2017 08:13

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	<u>Date Analyzed</u>
C9	106	66-138	07/08/2017 08:13

Analyst(s): TK Analytical Comments: e7,e2,b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4	1707208-002A	Water	07/07/2017 13:45	GC6B	141693

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	1200	250	5	07/08/2017 00:27
TPH-Motor Oil (C18-C36)	4900	1200	5	07/08/2017 00:27

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	<u>Date Analyzed</u>
C9	132	66-138	07/08/2017 00:27

Analyst(s): TK Analytical Comments: e7,e4,b1



Quality Control Report

Client: AEI Consultants
Date Prepared: 7/7/17
Date Analyzed: 7/8/17
Instrument: GC10
Matrix: Soil
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
BatchID: 141687
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg
Sample ID: MB/LCS-141687

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	0.992	0.10	1	-	99	72-156
tert-Amyl methyl ether (TAME)	ND	0.0390	0.0050	0.050	-	78	53-116
Benzene	ND	0.0434	0.0050	0.050	-	87	63-137
Bromobenzene	ND	0.0449	0.0050	0.050	-	90	68-126
Bromochloromethane	ND	0.0434	0.0050	0.050	-	87	72-126
Bromodichloromethane	ND	0.0407	0.0050	0.050	-	81	61-127
Bromoform	ND	0.0352	0.0050	0.050	-	70	49-100
Bromomethane	ND	0.0434	0.0050	0.050	-	87	40-161
2-Butanone (MEK)	ND	0.183	0.020	0.20	-	91	43-157
t-Butyl alcohol (TBA)	ND	0.171	0.050	0.20	-	85	41-135
n-Butyl benzene	ND	0.0588	0.0050	0.050	-	117	102-160
sec-Butyl benzene	ND	0.0598	0.0050	0.050	-	120	74-168
tert-Butyl benzene	ND	0.0515	0.0050	0.050	-	103	88-157
Carbon Disulfide	ND	0.0432	0.0050	0.050	-	86	42-151
Carbon Tetrachloride	ND	0.0458	0.0050	0.050	-	92	49-149
Chlorobenzene	ND	0.0435	0.0050	0.050	-	87	77-121
Chloroethane	ND	0.0402	0.0050	0.050	-	80	41-134
Chloroform	ND	0.0434	0.0050	0.050	-	87	69-133
Chloromethane	ND	0.0386	0.0050	0.050	-	77	31-119
2-Chlorotoluene	ND	0.0490	0.0050	0.050	-	98	79-139
4-Chlorotoluene	ND	0.0474	0.0050	0.050	-	95	77-138
Dibromochloromethane	ND	0.0420	0.0050	0.050	-	84	58-121
1,2-Dibromo-3-chloropropane	ND	0.0156	0.0040	0.020	-	78	39-115
1,2-Dibromoethane (EDB)	ND	0.0434	0.0040	0.050	-	87	67-119
Dibromomethane	ND	0.0404	0.0050	0.050	-	81	66-117
1,2-Dichlorobenzene	ND	0.0380	0.0050	0.050	-	76	59-109
1,3-Dichlorobenzene	ND	0.0423	0.0050	0.050	-	85	75-130
1,4-Dichlorobenzene	ND	0.0411	0.0050	0.050	-	82	71-122
Dichlorodifluoromethane	ND	0.0206	0.0050	0.050	-	41, F2	43-68
1,1-Dichloroethane	ND	0.0449	0.0050	0.050	-	90	62-139
1,2-Dichloroethane (1,2-DCA)	ND	0.0458	0.0040	0.050	-	92	58-135
1,1-Dichloroethene	ND	0.0413	0.0050	0.050	-	83	42-145
cis-1,2-Dichloroethene	ND	0.0438	0.0050	0.050	-	88	67-129
trans-1,2-Dichloroethene	ND	0.0435	0.0050	0.050	-	87	54-139
1,2-Dichloropropane	ND	0.0433	0.0050	0.050	-	87	68-125
1,3-Dichloropropane	ND	0.0459	0.0050	0.050	-	92	65-125
2,2-Dichloropropane	ND	0.0463	0.0050	0.050	-	93	45-151

(Cont.)



Quality Control Report

Client: AEI Consultants
Date Prepared: 7/7/17
Date Analyzed: 7/8/17
Instrument: GC10
Matrix: Soil
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
BatchID: 141687
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg
Sample ID: MB/LCS-141687

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	0.0454	0.0050	0.050	-	91	64-138
cis-1,3-Dichloropropene	ND	0.0480	0.0050	0.050	-	96	62-134
trans-1,3-Dichloropropene	ND	0.0470	0.0050	0.050	-	94	59-128
Diisopropyl ether (DIPE)	ND	0.0416	0.0050	0.050	-	83	52-129
Ethylbenzene	ND	0.0502	0.0050	0.050	-	101	74-142
Ethyl tert-butyl ether (ETBE)	ND	0.0418	0.0050	0.050	-	84	53-125
Freon 113	ND	0.0380	0.0050	0.050	-	76	51-126
Hexachlorobutadiene	ND	0.0541	0.0050	0.050	-	108	70-158
Hexachloroethane	ND	0.0548	0.0050	0.050	-	110	80-160
2-Hexanone	ND	0.0377	0.0050	0.050	-	75	41-116
Isopropylbenzene	ND	0.0517	0.0050	0.050	-	103	77-146
4-Isopropyl toluene	ND	0.0504	0.0050	0.050	-	101	96-159
Methyl-t-butyl ether (MTBE)	ND	0.0413	0.0050	0.050	-	83	58-122
Methylene chloride	ND	0.0471	0.0050	0.050	-	94	58-135
4-Methyl-2-pentanone (MIBK)	ND	0.0395	0.0050	0.050	-	79	40-112
Naphthalene	ND	0.0234	0.0050	0.050	-	47	23-73
n-Propyl benzene	ND	0.0552	0.0050	0.050	-	110	82-160
Styrene	ND	0.0404	0.0050	0.050	-	81	68-124
1,1,1,2-Tetrachloroethane	ND	0.0437	0.0050	0.050	-	87	70-128
1,1,2,2-Tetrachloroethane	ND	0.0381	0.0050	0.050	-	76	57-111
Tetrachloroethene	ND	0.0491	0.0050	0.050	-	98	73-145
Toluene	ND	0.0461	0.0050	0.050	-	92	76-130
1,2,3-Trichlorobenzene	ND	0.0281	0.0050	0.050	-	56	43-72
1,2,4-Trichlorobenzene	ND	0.0340	0.0050	0.050	-	68	47-95
1,1,1-Trichloroethane	ND	0.0448	0.0050	0.050	-	90	60-141
1,1,2-Trichloroethane	ND	0.0425	0.0050	0.050	-	85	62-118
Trichloroethene	ND	0.0453	0.0050	0.050	-	91	72-132
Trichlorofluoromethane	ND	0.0406	0.0050	0.050	-	81	43-135
1,2,3-Trichloropropane	ND	0.0455	0.0050	0.050	-	91	57-122
1,2,4-Trimethylbenzene	ND	0.0461	0.0050	0.050	-	92	81-152
1,3,5-Trimethylbenzene	ND	0.0554	0.0050	0.050	-	111	78-160
Vinyl Chloride	ND	0.0391	0.0050	0.050	-	78	42-131
Xylenes, Total	ND	0.137	0.0050	0.15	-	91	70-130

(Cont.)



Quality Control Report

Client: AEI Consultants	WorkOrder: 1707208
Date Prepared: 7/7/17	BatchID: 141687
Date Analyzed: 7/8/17	Extraction Method: SW5030B
Instrument: GC10	Analytical Method: SW8260B
Matrix: Soil	Unit: mg/kg
Project: 372927; 401 Jackson St., Oakland	Sample ID: MB/LCS-141687

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.1335	0.134		0.12	107	108	70-130
Toluene-d8	0.1642	0.165		0.12	131,F3	132, F3	70-130
4-BFB	0.01531	0.0154		0.012	122	124	70-130
Benzene-d6	0.1012	0.0943		0.10	101	94	60-140
Ethylbenzene-d10	0.1226	0.110		0.10	123	110	60-140
1,2-DCB-d4	0.08776	0.0840		0.10	88	84	60-140



Quality Control Report

Client: AEI Consultants
Date Prepared: 7/11/17
Date Analyzed: 7/11/17
Instrument: GC10
Matrix: Water
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
BatchID: 141818
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L
Sample ID: MB/LCS-141818

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	168	10	200	-	84	46-155
tert-Amyl methyl ether (TAME)	ND	9.28	0.50	10	-	93	54-140
Benzene	ND	10.2	0.50	10	-	102	47-158
Bromobenzene	ND	9.64	0.50	10	-	96	50-155
Bromochloromethane	ND	9.48	0.50	10	-	95	48-160
Bromodichloromethane	ND	9.61	0.50	10	-	96	60-156
Bromoform	ND	8.78	0.50	10	-	88	43-149
Bromomethane	ND	14.0	0.50	10	-	141	61-159
2-Butanone (MEK)	ND	32.4	2.0	40	-	81	61-124
t-Butyl alcohol (TBA)	ND	29.3	2.0	40	-	73	42-140
n-Butyl benzene	ND	10.8	0.50	10	-	108	74-138
sec-Butyl benzene	ND	10.9	0.50	10	-	109	72-142
tert-Butyl benzene	ND	9.75	0.50	10	-	97	74-140
Carbon Disulfide	ND	10.4	0.50	10	-	104	64-127
Carbon Tetrachloride	ND	10.9	0.50	10	-	109	61-158
Chlorobenzene	ND	9.79	0.50	10	-	98	43-157
Chloroethane	ND	11.4	0.50	10	-	114	50-127
Chloroform	ND	10.1	0.50	10	-	101	56-154
Chloromethane	ND	12.4	0.50	10	-	124	41-132
2-Chlorotoluene	ND	10.2	0.50	10	-	102	50-155
4-Chlorotoluene	ND	9.78	0.50	10	-	98	53-153
Dibromochloromethane	ND	9.28	0.50	10	-	93	49-156
1,2-Dibromo-3-chloropropane	ND	3.33	0.20	4	-	83	46-149
1,2-Dibromoethane (EDB)	ND	9.20	0.50	10	-	92	44-155
Dibromomethane	ND	9.27	0.50	10	-	93	50-157
1,2-Dichlorobenzene	ND	9.59	0.50	10	-	96	48-156
1,3-Dichlorobenzene	ND	9.31	0.50	10	-	93	49-159
1,4-Dichlorobenzene	ND	9.11	0.50	10	-	91	51-151
Dichlorodifluoromethane	ND	11.2	0.50	10	-	111	61-117
1,1-Dichloroethane	ND	10.5	0.50	10	-	105	53-153
1,2-Dichloroethane (1,2-DCA)	ND	10.2	0.50	10	-	102	66-125
1,1-Dichloroethene	ND	10.2	0.50	10	-	102	47-149
cis-1,2-Dichloroethene	ND	9.98	0.50	10	-	100	54-155
trans-1,2-Dichloroethene	ND	10.4	0.50	10	-	104	46-151
1,2-Dichloropropane	ND	9.82	0.50	10	-	98	54-153
1,3-Dichloropropane	ND	9.36	0.50	10	-	94	49-150
2,2-Dichloropropane	ND	10.8	0.50	10	-	108	74-147

(Cont.)



Quality Control Report

Client: AEI Consultants
Date Prepared: 7/11/17
Date Analyzed: 7/11/17
Instrument: GC10
Matrix: Water
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
BatchID: 141818
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: µg/L
Sample ID: MB/LCS-141818

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	10.7	0.50	10	-	107	54-150
cis-1,3-Dichloropropene	ND	9.86	0.50	10	-	99	55-159
trans-1,3-Dichloropropene	ND	9.58	0.50	10	-	96	74-131
Diisopropyl ether (DIPE)	ND	9.33	0.50	10	-	93	57-136
Ethylbenzene	ND	11.0	0.50	10	-	110	60-152
Ethyl tert-butyl ether (ETBE)	ND	9.22	0.50	10	-	92	55-137
Freon 113	ND	10.7	0.50	10	-	107	47-138
Hexachlorobutadiene	ND	10.5	0.50	10	-	105	66-160
Hexachloroethane	ND	10.3	0.50	10	-	103	75-130
2-Hexanone	ND	7.73	0.50	10	-	77	70-115
Isopropylbenzene	ND	11.2	0.50	10	-	112	59-156
4-Isopropyl toluene	ND	9.51	0.50	10	-	95	75-138
Methyl-t-butyl ether (MTBE)	ND	8.86	0.50	10	-	89	53-139
Methylene chloride	ND	10.2	0.50	10	-	102	66-127
4-Methyl-2-pentanone (MIBK)	ND	7.91	0.50	10	-	79	42-153
Naphthalene	ND	8.25	0.50	10	-	82	66-127
n-Propyl benzene	ND	10.2	0.50	10	-	102	54-155
Styrene	ND	9.59	0.50	10	-	96	51-152
1,1,1,2-Tetrachloroethane	ND	9.75	0.50	10	-	98	58-159
1,1,2,2-Tetrachloroethane	ND	8.13	0.50	10	-	81	51-150
Tetrachloroethene	ND	10.4	0.50	10	-	103	55-145
Toluene	ND	9.86	0.50	10	-	99	52-137
1,2,3-Trichlorobenzene	ND	8.76	0.50	10	-	88	70-136
1,2,4-Trichlorobenzene	ND	8.77	0.50	10	-	88	74-137
1,1,1-Trichloroethane	ND	10.7	0.50	10	-	107	57-156
1,1,2-Trichloroethane	ND	8.90	0.50	10	-	89	51-150
Trichloroethene	ND	10.2	0.50	10	-	102	43-157
Trichlorofluoromethane	ND	11.0	0.50	10	-	110	50-147
1,2,3-Trichloropropane	ND	8.54	0.50	10	-	85	41-152
1,2,4-Trimethylbenzene	ND	9.29	0.50	10	-	93	57-157
1,3,5-Trimethylbenzene	ND	10.7	0.50	10	-	107	56-159
Vinyl Chloride	ND	12.6	0.50	10	-	126	42-137
Xylenes, Total	ND	30.9	0.50	30	-	103	70-130

(Cont.)



Quality Control Report

Client: AEI Consultants	WorkOrder: 1707208
Date Prepared: 7/11/17	BatchID: 141818
Date Analyzed: 7/11/17	Extraction Method: SW5030B
Instrument: GC10	Analytical Method: SW8260B
Matrix: Water	Unit: µg/L
Project: 372927; 401 Jackson St., Oakland	Sample ID: MB/LCS-141818

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	28.02	27.1		25	112	108	70-130
Toluene-d8	27.55	30.5		25	110	122	70-130
4-BFB	2.686	2.85		2.5	107	114	70-130



Quality Control Report

Client: AEI Consultants	WorkOrder: 1707208
Date Prepared: 7/7/17	BatchID: 141686
Date Analyzed: 7/8/17 - 7/10/17	Extraction Method: SW5030B
Instrument: GC19, GC7	Analytical Method: SW8021B/8015Bm
Matrix: Soil	Unit: mg/Kg
Project: 372927; 401 Jackson St., Oakland	Sample ID: MB/LCS-141686 1707196-005AMS/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	0.576	0.40	0.60	-	96	82-118
MTBE	ND	0.0816	0.050	0.10	-	82	61-119
Benzene	ND	0.0885	0.0050	0.10	-	88	77-128
Toluene	ND	0.0951	0.0050	0.10	-	95	74-132
Ethylbenzene	ND	0.102	0.0050	0.10	-	102	84-127
Xylenes	ND	0.322	0.015	0.30	-	107	86-129
Surrogate Recovery							
2-Fluorotoluene	0.08644	0.0863		0.10	86	86	75-134

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.530	0.580	0.60	ND	88	97	58-129	8.99	20
MTBE	0.0874	0.100	0.10	ND	87	100	47-118	13.7	20
Benzene	0.0912	0.0909	0.10	ND	91	91	55-129	0	20
Toluene	0.0971	0.101	0.10	ND	97	101	56-130	3.60	20
Ethylbenzene	0.0975	0.0969	0.10	ND	98	97	63-129	0.613	20
Xylenes	0.289	0.295	0.30	ND	96	98	64-131	2.09	20
Surrogate Recovery									
2-Fluorotoluene	0.0915	0.0923	0.10		92	92	62-126	0	20



Quality Control Report

Client: AEI Consultants
Date Prepared: 7/8/17
Date Analyzed: 7/8/17
Instrument: GC3
Matrix: Water
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
BatchID: 141734
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: µg/L
Sample ID: MB/LCS-141734
 1707033-005BMS/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	60.2	40	60	-	100	78-116
MTBE	ND	9.80	5.0	10	-	98	72-122
Benzene	ND	8.84	0.50	10	-	88	81-123
Toluene	ND	9.31	0.50	10	-	93	83-129
Ethylbenzene	ND	9.68	0.50	10	-	97	88-126
Xylenes	ND	29.9	1.5	30	-	100	87-131
Surrogate Recovery							
aaa-TFT	9.803	9.78		10	98	98	89-116

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	59.4	58.1	60	ND	99	97	63-133	2.19	20
MTBE	9.46	9.75	10	ND	95	97	69-122	3.03	20
Benzene	8.59	8.77	10	ND	86	88	84-125	2.01	20
Toluene	9.11	9.24	10	ND	91	92	87-131	1.38	20
Ethylbenzene	9.58	9.59	10	ND	96	96	92-126	0	20
Xylenes	29.8	29.8	30	ND	99	99	88-132	0	20
Surrogate Recovery									
aaa-TFT	9.69	9.86	10		97	99	90-117	1.79	20



Quality Control Report

Client: AEI Consultants
Date Prepared: 7/7/17
Date Analyzed: 7/10/17
Instrument: GC39A, GC9b
Matrix: Soil
Project: 372927; 401 Jackson St., Oakland

WorkOrder: 1707208
BatchID: 141682
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg
Sample ID: MB/LCS-141682
 1707195-001AMS/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	42.4	1.0	40	-	106	79-133
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	25.52	26.1		25	102	104	77-109

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	32.0	23.8	40	ND	80	60	59-150	29.5	30
Surrogate Recovery									
C9	22.6	23.1	25		90	92	78-109	2.25	30



Quality Control Report

Client: AEI Consultants	WorkOrder: 1707208
Date Prepared: 7/7/17	BatchID: 141693
Date Analyzed: 7/10/17	Extraction Method: SW3510C
Instrument: GC11B	Analytical Method: SW8015B
Matrix: Water	Unit: µg/L
Project: 372927; 401 Jackson St., Oakland	Sample ID: MB/LCS/LCSD-141693

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	50	-	-	-
TPH-Motor Oil (C18-C36)	ND	250	-	-	-
Surrogate Recovery					
C9	661		625	106	79-111

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1200	1130	1000	120	113	88-134	5.66	30
Surrogate Recovery								
C9	688	644	625	110	103	79-111	6.56	30



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1707208

ClientCode: AEL

WaterTrax
 WriteOn
 EDF
 Excel
 EQUIS
 Email
 HardCopy
 ThirdParty
 J-flag

Report to:

William Hicks
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 321-3561 FAX: (925) 944-2895

Email: whix@aeiconsultants.com
cc/3rd Party: tweise@aeiconsultants.com;
PO: 136120
ProjectNo: 372927; 401 Jackson St., Oakland

Bill to:

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

Requested TAT: 2 days;

Date Received: 07/07/2017

Date Logged: 07/07/2017

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1707208-001	SB-3	Water	7/7/2017 12:35	<input type="checkbox"/>		B		A		A						
1707208-002	SB-4	Water	7/7/2017 13:45	<input type="checkbox"/>		B		A		A						
1707208-004	SB-4-7	Soil	7/7/2017 13:58	<input type="checkbox"/>	A		A		A							
1707208-009	SB-1-8	Soil	7/7/2017 14:45	<input type="checkbox"/>	A		A		A							
1707208-012	SB-2-9	Soil	7/7/2017 14:24	<input type="checkbox"/>	A		A		A							
1707208-014	SB-3-9.5	Soil	7/7/2017 12:52	<input type="checkbox"/>	A		A		A							

Test Legend:

1	8260B_S	2	8260B_W	3	G-MBTEX_S	4	G-MBTEX_W
5	TPH(DMO)_S	6	TPH(DMO)_W	7		8	
9		10		11		12	

Prepared by: Kena Ponce

The following SampIDs: 004A, 009A, 012A, 014A contain testgroup Multi Range_S.; The following SampIDs: 001A, 002A contain testgroup Multi Range_W.

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.



WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: William Hicks
Contact's Email: whix@aeiconsultants.com

Project: 372927; 401 Jackson St., Oakland

Work Order: 1707208
QC Level: LEVEL 2
Date Logged: 7/7/2017

Comments:

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
1707208-001A	SB-3	Water	Multi-Range TPH(g,d,mo) by EPA 8015Bm	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	<input type="checkbox"/>	7/7/2017 12:35	2 days	1%+	<input type="checkbox"/>	
1707208-001B	SB-3	Water	SW8260B (VOCs)	2	VOA w/ HCL	<input type="checkbox"/>	7/7/2017 12:35	2 days	1%+	<input type="checkbox"/>	
1707208-002A	SB-4	Water	Multi-Range TPH(g,d,mo) by EPA 8015Bm	4	2 VOAs w/HCL + 2-aVOAs (multi-range)	<input type="checkbox"/>	7/7/2017 13:45	2 days	1%+	<input type="checkbox"/>	
1707208-002B	SB-4	Water	SW8260B (VOCs)	2	VOA w/ HCL	<input type="checkbox"/>	7/7/2017 13:45	2 days	1%+	<input type="checkbox"/>	
1707208-003A	SB-4-4.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 13:56			<input checked="" type="checkbox"/>	
1707208-004A	SB-4-7	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm SW8260B (VOCs)	1	Acetate Liner	<input type="checkbox"/>	7/7/2017 13:58	2 days		<input type="checkbox"/>	
1707208-005A	SB-4-9.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 13:56			<input checked="" type="checkbox"/>	
1707208-006A	SB-4-14.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 14:01			<input checked="" type="checkbox"/>	
1707208-007A	SB-1-2.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 14:40			<input checked="" type="checkbox"/>	
1707208-008A	SB-1-5.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 14:41			<input checked="" type="checkbox"/>	
1707208-009A	SB-1-8	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm SW8260B (VOCs)	1	Acetate Liner	<input type="checkbox"/>	7/7/2017 14:45	2 days		<input type="checkbox"/>	
1707208-010A	SB-2-2.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 14:26			<input checked="" type="checkbox"/>	
1707208-011A	SB-2-5.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 14:21			<input checked="" type="checkbox"/>	

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.



WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: William Hicks
Contact's Email: whix@aeiconsultants.com

Project: 372927; 401 Jackson St., Oakland

Work Order: 1707208
QC Level: LEVEL 2
Date Logged: 7/7/2017

Comments:

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
1707208-012A	SB-2-9	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm SW8260B (VOCs)	1	Acetate Liner	<input type="checkbox"/>	7/7/2017 14:24	2 days		<input type="checkbox"/>	
1707208-013A	SB-3-4.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 12:38			<input checked="" type="checkbox"/>	
1707208-014A	SB-3-9.5	Soil	Multi-Range TPH(g,d,mo) by EPA 8015Bm SW8260B (VOCs)	1	Acetate Liner	<input type="checkbox"/>	7/7/2017 12:52	2 days		<input type="checkbox"/>	
1707208-015A	SB-3-11.5	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 13:01			<input checked="" type="checkbox"/>	
1707208-016A	SB-4-3	Soil		1	Acetate Liner	<input type="checkbox"/>	7/7/2017 13:53			<input checked="" type="checkbox"/>	

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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17 07208

RUSH

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	<input checked="" type="checkbox"/> 3 Day Rush	STD	Quote #
J-Flag / MDL	ESL	Cleanup Approved	Bottle Order #	
Delivery Format: GeoTracker EDF	PDF	<input checked="" type="radio"/> EDD	Write On (DW)	EQuIS

Report To: AEI Consultants Bill To: AEI Consultants
 Company: AEI Consultants
 Email: whix@aeiconsultants.com
 Alt Email: tweise@aeiconsultants.com Tele: 925-746-6050
 Project Name/#: 372927
 Project Location: 401 Jackson Street, Oakland PO #136120
 Sampler Signature: *[Signature]*

Analysis Requested

TPH multirange b 8015M	VOCs by 8260B	Hold																	

SAMPLE ID Location / Field Point	Sampling		#Containers	Matrix	Preservative
	Date	Time			
SB-3	7/7/17	1235	6	GW	HCl/ICE
SB-4	↓	1345	6	↓	

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
<i>[Signature]</i>	7/7/17	1700	<i>[Signature]</i>	7/7/17	1700
<i>[Signature]</i>	7/7/17	1800	<i>[Signature]</i>	7/7/17	1800


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=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None Temp 4.2 °C Initials

 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 NB															
				Turn Around Time: 1 Day Rush <input type="checkbox"/> 2 Day Rush <input type="checkbox"/> 3 Day Rush <input checked="" type="checkbox"/>			STD <input type="checkbox"/>		Quote # _____		J-Flag / MDL <input type="checkbox"/>		ESL <input type="checkbox"/>		Cleanup Approved <input type="checkbox"/>		Bottle Order # _____		
Report To: AEI Consultants Bill To: AEI Consultants				Analysis Requested															
Company: AEI Consultants				TPH multirange b 8015M VOCs by 8260B Hold TPH multirange b 8015M VOCs by 8200 Hold															
Email: whix@aeiconsultants.com																			
Alt Email: twaise@aeiconsultants.com Tele: 925-746-6050																			
Project Name/ #: 372927																			
Project Location: 401 Jackson Street, Oakland PO #136120																			
Sampler Signature: <i>[Signature]</i>																			
SAMPLE ID Location / Field Point		Sampling			#Containers	Matrix	Preservative												
		Date	Time																
SB-4-4.5		7/7/17	1356	1	Soil	ICEJ													
SB-4-7		↓	1358	1	↓	↓													
SB-4-9.5		↓	1356	1	↓	↓													
SB-4-14.5		↓	1401	1	↓	↓													
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.												Comments / Instructions							
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								
<i>[Signature]</i>				7/7/17	1700	<i>[Signature]</i>				7/7/17	1700								
<i>[Signature]</i>				7/7/17	1800	<i>[Signature]</i>				7/7/17	1800								

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=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 6.2 °C Initials _____

 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 <input checked="" type="radio"/>		EDD		Write On (DW)		EQuIS											
Report To: AEI Consultants Bill To: AEI Consultants					Analysis Requested																
Company: AEI Consultants					TPH multirange b 8015M	VOCs by 8260B	Hold	TPH multi 8015M	VOCs by 82100B	Hold											
Email: whix@aeiconsultants.com																					
Alt Email: twelse@aeiconsultants.com Tele: 925-746-6050																					
Project Name/ #: 372927																					
Project Location: 401 Jackson Street, Oakland PO #136120																					
Sampler Signature: <i>[Signature]</i>																					
SAMPLE ID Location / Field Point	Sampling		#Containers	Matrix	Preservative																
	Date	Time																			
SB-1-2.5	7/7/17	1440	1	Soil	ICE	X	X	X	X	X											
SB-1-5.5		1441	1			X	X	X	X	X											
SB-1-8		1445	1			X	X	X	X	X											
SB-2-2.5		1426	1			X	X	X	X	X											
SB-2-5.5		1421	1			X	X	X	X	X											
SB-2-9		1424	1			X	X	X	X	X											
SB-3-4.5		1238	1			X	X	X	X	X											
SB-3-9.5		1252	1			X	X	X	X	X											
SB-3-11.5		1301	1			X	X	X	X	X											
SB-4-3		1353	1			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.						Comments / Instructions						
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			
<i>[Signature]</i>			7/7/17	1700	<i>[Signature]</i>			7/7/17	1700			
<i>[Signature]</i>			7/7/17	1800	<i>[Signature]</i>			7/7/17	1800			

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=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None Temp 16.2 °C Initials _____



Sample Receipt Checklist

Client Name: **AEI Consultants**
 Project Name: **372927; 401 Jackson St., Oakland**
 WorkOrder No: **1707208** Matrix: Soil/Water
 Carrier: Client Drop-In

Date and Time Received: **7/7/2017 18:00**
 Date Logged: **7/7/2017**
 Received by: **Kena Ponce**
 Logged by: **Kena Ponce**

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes No NA
 Sample/Temp Blank temperature Temp: 6.2°C NA
 Water - VOA vials have zero headspace / no bubbles? Yes No NA
 Sample labels checked for correct preservation? Yes No
 pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? Yes No NA
 Samples Received on Ice? Yes No
 (Ice Type: WET ICE)

UCMR Samples:

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

Comments: