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January 9, 2014

Mr. Keith Nowell
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Site Investigation Report
Site: 76 Station No. 5191/5043
449 Hegenberger Road
Oakland, California
Fuel Leak Case No. RO0000219

Dear Mr. Nowell;

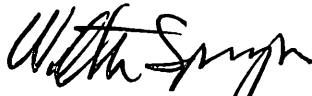
I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call:

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Pacific Convenience & Fuel
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Sincerely,

PACIFIC CONVENIENCE & FUEL



WALTER SPRAGUE
Director of Retail Services

Attachment

Site Investigation Report

*76 Station No. 5191/5043
449 Hegenberger Road
Oakland, CA*

*Alameda County Health Care Services Agency
Fuel Leak Case No. RO0000219*

*Regional Water Quality Control Board
San Francisco Bay No. 01-1601*

GeoTracker Global ID No. T0600101476

Antea Group Project No. I42705191

January 9, 2014

Prepared for:
Mr. Keith Nowell
Alameda County
Health Care Services Agency
1131 Harbor Bay Parkway,
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Alameda, CA 94502-6577

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1.0 INTRODUCTION

Antea Group has prepared this report describing the advancement of ten soil borings in the vicinity of monitoring well MW-6 at the site located at 449 Hegenberger Road in Oakland, California. This work was performed as proposed in the Remedial Action Plan dated April 23, 2013 submitted by Antea Group to the Alameda County Health Care Services Agency (ACHCSA).

1.1 Site Description

The site is currently an operating 76 station located at 449 Hegenberger Road in Oakland, California (**Figure 1**). The site contains six fuel dispensers on two islands under a single canopy, three fuel underground storage tanks (USTs) on the north side of the site, a carwash facility on the west side of the site, and a station building in the central portion of the site. The current site features are shown on **Figure 2**.

1.2 Previous Assessment

October 1991 - Four soil samples were collected from the product pipe trenches at depths of approximately 3 feet below ground surface (bgs) during a dispenser island modification. The product pipe trenches were subsequently excavated to the groundwater depth at 4 to 4.5 feet bgs. Historical soil analytical results are presented in **Table 1**. Sample locations are shown on **Figure 3**.

February 1992 - Three monitoring wells, MW-1 through MW-3, were installed at the site to depths ranging from 13.5 to 15 feet bgs. Historical soil analytical results are presented in **Table 1**. Monitoring well locations are shown on **Figure 3**.

August 1992 - Three additional monitoring wells, MW-4 through MW-6, were installed at the site, each to a depth of 13.5 feet bgs. Historical soil analytical results are presented in **Table 1**. Monitoring well locations are shown on **Figure 3**.

September 1994 - One 280-gallon waste-oil UST was removed from the site. The UST was made of steel, and no apparent holes or cracks were observed in the UST. One soil sample was collected from beneath the former UST at a depth of approximately 9 feet bgs. No petroleum hydrocarbons were reported.

Historical soil analytical results are presented in **Table 1**. The location of the former waste-oil UST is shown on **Figure 3**.

January 1995 - Two additional monitoring wells, MW-9 and MW-10, were installed to depths of 13 and 15 feet bgs. In addition, two existing monitoring wells were destroyed in order to accommodate the construction of a car wash at the site. Monitoring wells MW-4 and MW-5 were fully drilled out and backfilled with neat cement. Historical soil analytical results are presented in **Table 1**. Monitoring well locations are shown on **Figure 3**.

March 1995 - Two 10,000-gallon gasoline USTs and one 10,000-gallon diesel UST were removed from the site. Groundwater was encountered in the tank cavity at a depth of approximately 8.5 feet bgs. Soil samples contained total petroleum hydrocarbons as diesel (TPHd), benzene, and TPH as gasoline (TPHg). Approximately 125,000 gallons of groundwater were pumped from the site for remediation and properly disposed of off-site. Four fuel dispenser islands and associated product piping were also removed. Based on the results of the confirmation samples, the product dispenser islands were over excavated to approximately 6 feet bgs. Historical soil analytical results are presented in **Table 1**. Sample locations are shown on **Figure 3**.

March-April 1995 - During demolition activities of the former station building, soil samples were collected from two excavations, which were subsequently over excavated. Confirmation samples contained petroleum hydrocarbons. An additional area on the south side of the former station building was excavated based on photo-ionization detector (PID) readings. Two monitoring wells, MW-1 and MW-2, were destroyed in order to allow for over excavation activities to extend to an area adjacent to the dispenser islands in the southeastern quadrant of the site. The excavated areas were subsequently backfilled with clean-engineered fill. Historical soil analytical results are presented in **Table 1**. Sample locations are shown on **Figure 3**.

April 1997 - Two additional monitoring wells, MW-7 and MW-8, were installed off-site to the south and west on the neighboring property to a depth of 13 feet bgs. In addition, monitoring well MW-3, which was damaged during recent site demolition activities was drilled out and replaced. Historical soil analytical results are presented in **Table 1**. Monitoring well locations are shown on **Figure 3**.

October 2003 - Site environmental consulting responsibilities were transferred to TRC.

April 8-9, 2005 - TRC conducted a 24-hour dual phase extraction (DPE) test at the site using monitoring well MW-6. The 24-hour DPE test was only moderately successful at removing vapor-phase petroleum hydrocarbons from the subsurface; therefore, TRC recommended DPE no longer be considered a viable remedial alternative for the site.

October 2007 - Site environmental consulting responsibilities were transferred to Delta Consultants.

December 2009 - Delta advanced two borings, B-4 and B-5, to depths of 20 feet bgs and 32 feet bgs, respectively. Analytical results from the soil and groundwater samples collected from these two borings indicated that the soil and the groundwater were impacted by petroleum hydrocarbons at these locations. Historical soil analytical results are presented in **Table 1**. Boring locations are shown on **Figure 3**.

June 2010 - Delta advanced four borings to be completed as monitoring wells MW-11, MW-12, MW-12A, and MW-13. The wells were installed to depths of 15 feet bgs (MW-13), 20 feet bgs (MW-11 and MW-12), and 34 feet bgs (MW-12A). Analytical results from the soil samples collected from the borings for monitoring wells MW-12 and MW-12A indicated that the soil was impacted by petroleum hydrocarbons. Historical soil analytical results are presented in **Table 1**. Monitoring well locations are shown on **Figure 2**.

May 2011 – Antea Group (formally Delta Consultants) installed four 2-inch diameter monitoring wells, MW-14 through MW-17, and advanced one soil boring, B-6, at the site. All four monitoring wells were installed with ten feet of screen from 3 feet bgs to 13 feet bgs. Historical soil analytical results are presented in **Table 1**. Monitoring well locations are shown on **Figure 2**.

March 2012 – Antea Group advanced five borings (HPB-1 through HPB-5) at the site. The borings were advanced using direct push technology. The borings were used to obtain a hydraulic profile of the substrate beneath the site.

1.3 Sensitive Receptors

April 24, 2006 TRC completed a sensitive receptor survey for the site. According to the Department of Water Resources (DWR) records, there are two irrigation wells and one industrial well located within one-half mile of the site. The nearest well, is an irrigation well located approximately 1,080 feet

southeast of the site. The other irrigation well is located approximately 2,623 feet southeast of the site and the industrial well is located approximately 2,570 feet northeast of the site.

In addition, two surface water bodies were observed within a one-half mile radius of the site. San Leandro Creek is located approximately 1,400 feet southwest of the site and flows into the San Leandro Bay. Elmhurst Creek is located approximately 2,220 feet north of the site and also flows into the San Leandro Bay.

2.0 SITE GEOLOGY AND HYDROGEOLOGY

The site is underlain by Holocene-age bay mud. The bay mud typically consists of unconsolidated, saturated clay and sandy clay that is rich in organic material. The bay mud locally contains lenses and stringers of silt, well-sorted sand and gravel, and beds of peat. Generalized geologic cross sections are shown on **Figure 4**, **Figure 5**, and **Figure 6**

The most recent monitoring and sampling event was conducted at the site on September 10, 2013. The measured depth to groundwater ranged from 2.98 feet to 6.54 feet below top of casing (TOC). The groundwater flow direction was southeast with a hydraulic gradient of 0.018 foot per foot.

3.0 BORING ADVANCEMENT ACTIVITIES

3.1 Permitting, Utility Notification, and Borehole Clearance

Before commencing field activities Antea Group prepared a Health and Safety Plan in accordance with state and federal requirements for use during investigation activities. Drilling permits were obtained for the ten (10) soil borings from the Alameda County Public Works Agency (**Appendix A**). Prior to drilling, Underground Service Alert (USA) was notified as required by law and a private utility locator was employed to clear each boring location for underground utilities. In addition, a hand auger was used to clear each boring location to a depth of 5 feet bgs prior borehole advancement.

3.2 Soil Boring

On July 25 through 26, 2013, Antea Group supervised the advancement of ten (10) soil borings (SB-1 through SB-10). Cascade Drilling, LLC, (Cascade) under the supervision of an Antea Group geologist, advanced the borings using a limited access drill rig with direct push technology. Soil samples were

collected continuously beginning at a depth of approximately 5 feet bgs and logged using the Unified Soil Classification System (USCS) for lithologic interpretation and field screened for the presence of volatile organic compounds by headspace analysis using a pre-calibrated photo ionization detector (PID). Soil samples from the borings were retained for laboratory analysis. The samples were chosen based on PID readings, changes in lithology, groundwater elevation, and the total depth of the boring. The soil borings were advanced to a total depth of 15 feet bgs. Boring logs are presented as **Appendix B**.

3.3 Soil Sampling

Soil samples retained for analysis were analyzed for TPHg , benzene, toluene, ethylbenzene, and total Xylene (collectively BTEX), methyl tertiary-butyl ether (MTBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), tertiary-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), ethylene dibromide (EDB), and ethanol by Environmental Protection Agency (EPA) Method 8260B; and TPHd by EPA Method 8015; with silica gel treatment. The samples were submitted with chain-of-custody documentation to Kiff Analytical (Kiff), a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory (Certification No. 08263CA). The complete analytical report and Antea Group’s laboratory data validation checklist is presented as **Appendix C**.

3.4 Quality Assurance / Quality Control

Antea Group’s QA/QC measures included a detailed QA/QC data validation check on the Kiff analytical report for the July 2013 site investigation. Antea Group’s laboratory data validation checklist and the Kiff analytical report are presented as **Appendix C**.

Laboratory QA/QC Performed:	Yes (validated by Antea Group)
Laboratory Data Qualifiers:	Yes – four qualifiers*
Are the data valid for their intended purpose?	Yes, the data are valid

- * MS/MSD results associated with sample SB-2d11 for the analytes Ethylbenzene, P+M Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.
- * MS/MSD results associated with sample SB-7d6 for the analytes Benzene, MTBE, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.
- * MS/MSD results associated with sample SB-7d6 for the analyte Naphtalene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

- * MS/MSD results associated with sample SB-1d5.5, SB-1d11, SB-1d15, SB-3d7.5, SB-5d6, and SB-2d11 for the analytes Benzene, Ethylbenzene, MTBE, Naphtalene, P+M Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

3.5 Disposal of Drill Cuttings and Wastewater

Drill cuttings and decontamination water generated during soil boring advancement activities were placed into properly labeled 55-gallon Department of Transportation (DOT) approved steel drums. Samples of the drill cuttings and decontamination water were collected, properly labeled, placed on ice, and submitted to a California-certified laboratory for analysis of TPHg , BTEX, and MTBE by EPA Method 8260, and total lead by EPA Method 6010. Chain-of-custody documentation accompanied the samples during transportation to the laboratory. A copy of the analytical report is presented as **Appendix C**. The generated waste has been removed from the site and disposed of at approved waste facilities. Copies of the waste manifests are presented as **Appendix D**

4.0 RESULTS OF THE INVESTIGATION

4.1 Soil Analytical Results

Analytical results from the soil samples collected during this investigation reported TPHg concentrations ranging from 1.8 milligrams per kilogram (mg/kg) (SB-7d13) to 31,000 mg/kg (SB-1d5.5), benzene concentrations ranging from 0.0085 mg/kg (SB-1d15) to 85 mg/kg (SB-1d5.5), toluene concentrations ranging from 0.0072 mg/kg (SB-1d15) to 1,000 mg/kg (SB-1d5.5), ethylbenzene concentrations ranging from 0.018 mg/kg (SB-8d11) to 650 mg/kg (SB-1d5.5), total xylenes concentrations ranging from 0.0075 mg/kg (SB-8d11) to 3,400 mg/kg (SB-1d5.5), MTBE concentration at 0.0059 mg/kg (SB-2d15), and naphthalene concentrations ranging from 0.015 mg/kg (SB-1d15) to 150 mg/kg (SB-1d5.5). TPHd with silica gel concentrations were reported; however, all of the results did not match the laboratory standard for diesel. The diesel range hydrocarbons were either lower or higher-boiling than typical diesel. Concentrations of TPHd with silica gel ranged from 1.5 mg/kg (SB-7d13) to 900 mg/kg (SB-8d8). The soil analytical results are presented in **Table 1** and on **Figure 3**. A copy of the laboratory report, chain-of-custody documentation, and a laboratory validation sheet are presented as **Appendix C**. Cross sections showing the geology of the investigation area are presented on **Figure 5** and **Figure 6**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the data from this investigation and previous investigations at this site it appears that there are two areas of concern beneath the site. The first area is east of the fuel dispensers, in the vicinity of monitoring wells MW-12 and MW-17. The source of petroleum hydrocarbon impact in the vicinity of monitoring wells MW-12 and MW-17 was most likely a release from the fuel dispensers and or product piping.


The second area of concern is in the southwest corner of the site between monitoring wells MW-6 and MW-14. The source of the petroleum hydrocarbon impacted in this area originated from an outside source. Based on a 1996 correspondence and the subsequent fingerprint analysis, it appears that the free product found in monitoring well MW-6 came from an outside source and did not originate from a release at this site. The fingerprint analysis indicates that the collected sample contained leaded gasoline and was not representative of the fuel refined by Unocal at that time.

Based on the results of this investigation the highest concentration of petroleum hydrocarbons in the soil in the vicinity of monitoring well MW-6 was found at depths between 5.5 and 8 feet bgs in soil borings SB-1, SB-4, SB-6 and SB-8. Lower concentrations were found at approximately the same depths in soil borings SB-3, SB-5 and, SB-7. In soil borings SB-2, SB-9 and SB-10 petroleum hydrocarbon concentrations are near or below laboratory reporting limits. Since the soil with the highest concentrations is relatively shallow and well defined, excavation may be the best strategy for source removal in this area of the site. Unfortunately, there are underground utilities running through the middle of this area including an electrical line to the gas station building, a sewer line running from the car wash to the street, and an unknown utility defined by metal readings in the ground. These utilities will need to be temporarily removed during the previously proposed excavation activities.

6.0 REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.

Prepared by:

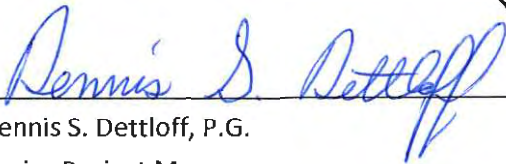


Jonathan Fillingame
Staff Geologist

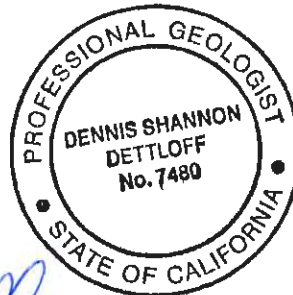
Date: 1/10/14

Information, conclusions, and recommendations provided by Antea Group in this document regarding the site have been prepared under the supervision of and reviewed by the licensed professional whose signature appears below.

Licensed Approver:



Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480



Date: 1/10/14

Figures

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Site Plan with Historical Sample Locations and Concentrations
Figure 4	Geologic Cross Section A-A'
Figure 5	Geologic Cross Section B-B'
Figure 6	Geologic Cross Section C-C'

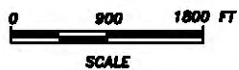
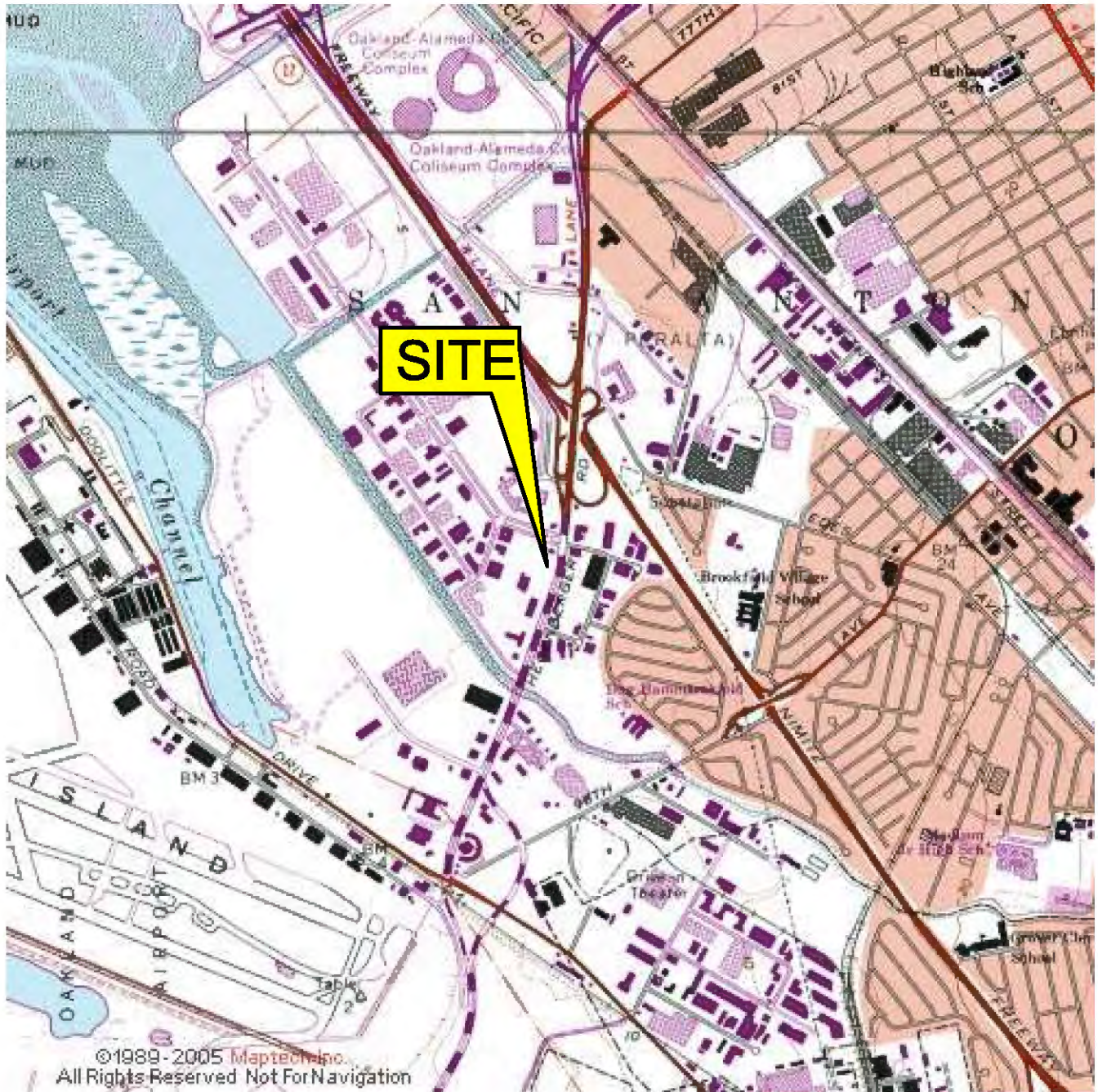

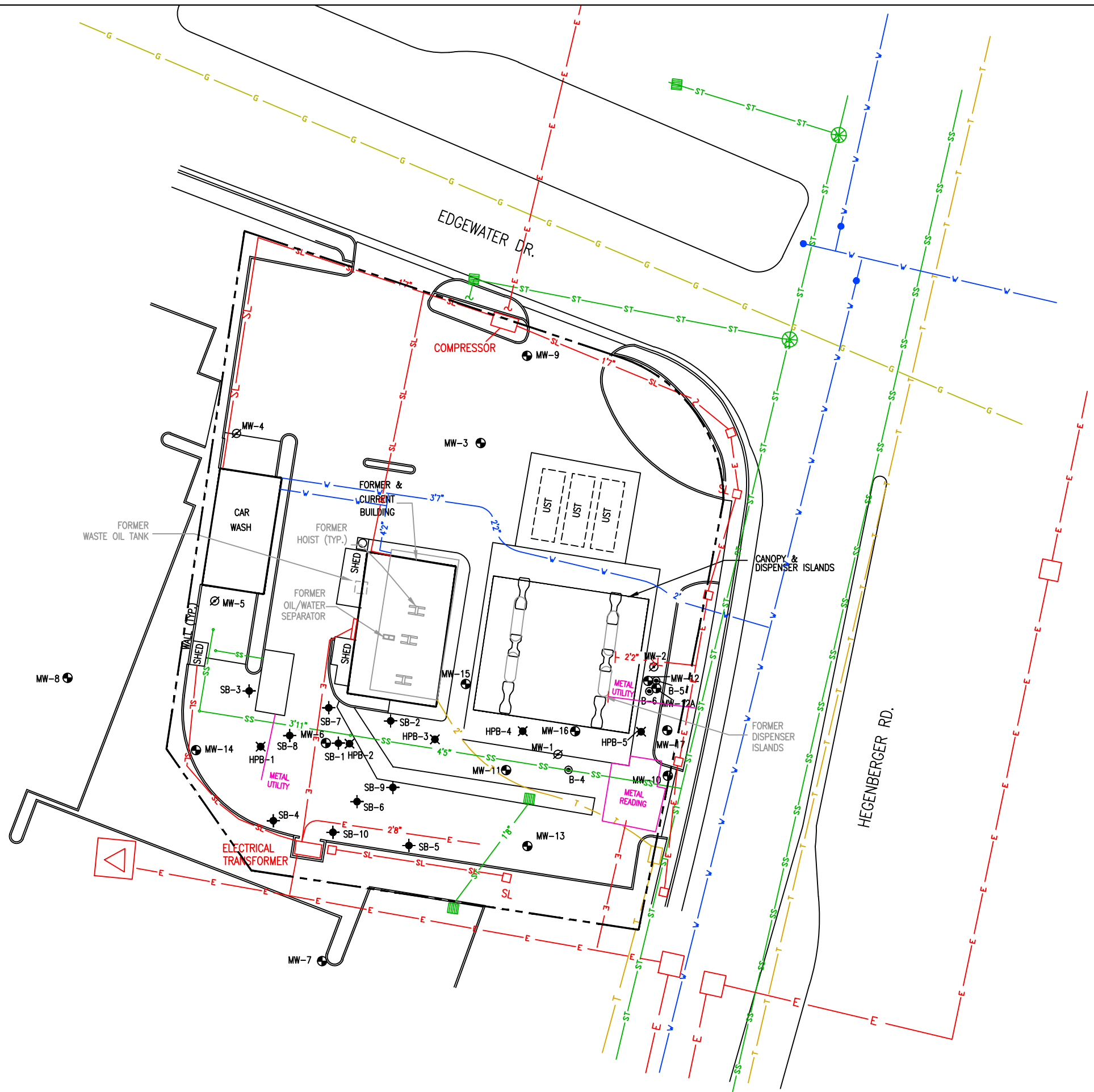


FIGURE 1
SITE LOCATION MAP

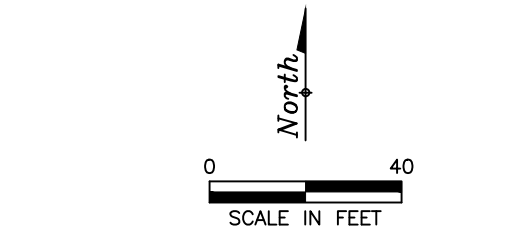
76 STATION NO. 5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO. 142705191	PREPARED BY EW	DRAWN BY DR/JH	 anteagroup
DATE 1/31/11	REVIEWED BY DD	FILE NAME 5043-SiteLocator	

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, OAKLAND EAST QUADRANGLE (1973)



- LEGEND**
- APPROXIMATE PROPERTY BOUNDARY
 - MW- MONITORING WELL
 - MW- ABANDONED MONITORING WELL
 - ◆ SB- SOIL BORING LOCATION (ANTEA GROUP 2013)
 - ◆ HPB- SOIL BORING LOCATION (ANTEA GROUP 2012)
 - B- BORING LOCATION
 - T — TELEPHONE
 - SS — SEWER
 - W — WATER
 - ST — STORM DRAIN
 - E — ELECTRIC
 - G — GAS
 - SL — STREET LIGHT



ADAPTED FROM A MORROW SURVEY ON 5/23/11

FIGURE 2
SITE PLAN WITH UTILITIES

76 STATION NO. 5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO. I42705191	PREPARED BY JF	DRAWN BY JH
DATE 8/15/13	REVIEWED BY DD	FILE NAME 5191-SiteS



EDGEWATER DR.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- ⊕ MW- MONITORING WELL
- ⊘ MW- ABANDONED MONITORING WELL
- ⊙ SB- SOIL BORING LOCATION (ANTEA GROUP 2013)
- ⊙ HPB- SOIL BORING LOCATION (ANTEA GROUP 2012)
- ⊙ B- BORING LOCATION
- SOIL SAMPLE LOCATION
- [] 1995 EXCAVATION AREA

MW-12		SAMPLE NAME	
Dp	8	(6/22/10)	
G	210	SAMPLE DATE	
D	45.7	DEPTH (FEET)	
B	5.2	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE	
M	<0.0028	DIESEL RANGE ORGANICS WITH SILICA GEL	
		BENZENE	
		METHYL TERTIARY BUTYL ETHER	

NOTES:

- NA = NOT ANALYZED
- < = LESS THAN LABORATORY INDICATED REPORTING LIMITS
- * = RESULT DID NOT MATCH LABORATORY STANDARD
- BOLD** = ABOVE LABORATORY DETECTED REPORTING LIMITS

ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg).

SB-2					
(7/25/13)					
Dp	1	3	5	11	15
G	<1.0	<1.0	<1.0	<1.0	<1.0
D	10	2.1	5.9	<1.0	<1.0
B	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
M	<0.0050	<0.0050	<0.0050	<0.0050	0.0059

SB-7			
(7/26/13)			
Dp	6	11	13
G	21	57	1.8
D	11	17	1.5
B	0.019	0.17	0.018
M	<0.0050	<0.0050	<0.0050

SB-3		
(7/25/13)		
Dp	7.5	15
G	310	<1.0
D	330	<1.0
B	0.13	<0.0050
M	<0.05	<0.0050

SB-1			
(7/25/13)			
Dp	5.5	11	15
G	31,000	73	5.0
D	450	3.1	3.1
B	85	1.2	0.0085
M	<2.5	<0.0050	<0.0050

SB-8		
(7/26/13)		
Dp	8	11
G	3,300	<1.0
D	900	<1.0
B	<0.50	<0.0050
M	<0.50	<0.0050

MW-14			
(5/17/11)			
Dp	7	10	13
G	<0.23	1,740	1.0
D	<2.0	45.9*	<2.0
B	<0.0027	1.8	<0.0027
M	<0.0027	<0.0026	<0.0027

SB-9		
(7/26/13)		
Dp	6	15
G	<1.0	<1.0
D	5.9	<1.0
B	<0.0050	<0.0050
M	<0.0050	<0.0050

SB-4					
(7/25/13)					
Dp	1	3	5	8	15
G	<1.0	<1.0	<1.0	4,600	<1.0
D	13	2.6	4.7	31	<1.0
B	<0.0050	<0.0050	<0.0050	0.50	<0.0050
M	<0.0050	<0.0050	<0.0050	<0.025	<0.0050

SB-6		
(7/26/13)		
Dp	6.5	15
G	1,900	<1.0
D	360	<1.0
B	0.57	<0.0050
M	<0.25	<0.0050

SB-10		
(7/26/13)		
Dp	8	11
G	<1.0	<1.0
D	1.9	<1.0
B	<0.0050	<0.0050
M	<0.0050	<0.0050

SB-5		
(7/25/13)		
Dp	6	15
G	100	<1.0
D	52	<1.0
B	0.020	<0.0050
M	<0.0050	<0.0050

MW-11		
(6/22/10)		
Dp	10	20
G	<0.18	<0.25
D	3.2	27.3
B	<0.0022	<0.0027
M	0.011	<0.0027

MW-13		
(6/22/10)		
Dp	8	15
G	<0.21	<0.24
D	<2.0	<2.0
B	<0.0026	<0.0029
M	0.064	<0.0029

MW-16		
(5/17/11)		
Dp	8	13
G	<0.23	<0.23
D	<2.0	<2.0
B	<0.0027	<0.0028
M	0.15	<0.0028

B-6					
(5/18/11)					
Dp	9	14	21	26	
G	2,490	194	7.2	17	
D	68.6*	250*	<2.0	2.9*	
B	26.4	3.6	0.67	0.83	
M	<0.0031	<0.0025	0.036	0.086	

MW-17		
(5/18/11)		
Dp	9	13
G	633	5.4
D	39.6*	2.9*
B	6	2.7
M	<0.0026	<0.0027

MW-12			
(6/22/10)			
Dp	8	10	20
G	210	422	<0.24
D	45.7	73.6	<2.0
B	5.2	4	0.019
M	<0.0028	<0.0029	<0.0028

B-5				
(12/17/09)				
Dp	8	17.5	26.5	32
G	1,060	136	1,570	<4.8
D	269	26.9	346	<5.9
B	6.2	0.55	16.2	0.007
M	<0.0029	<0.003	0.02	<0.0029

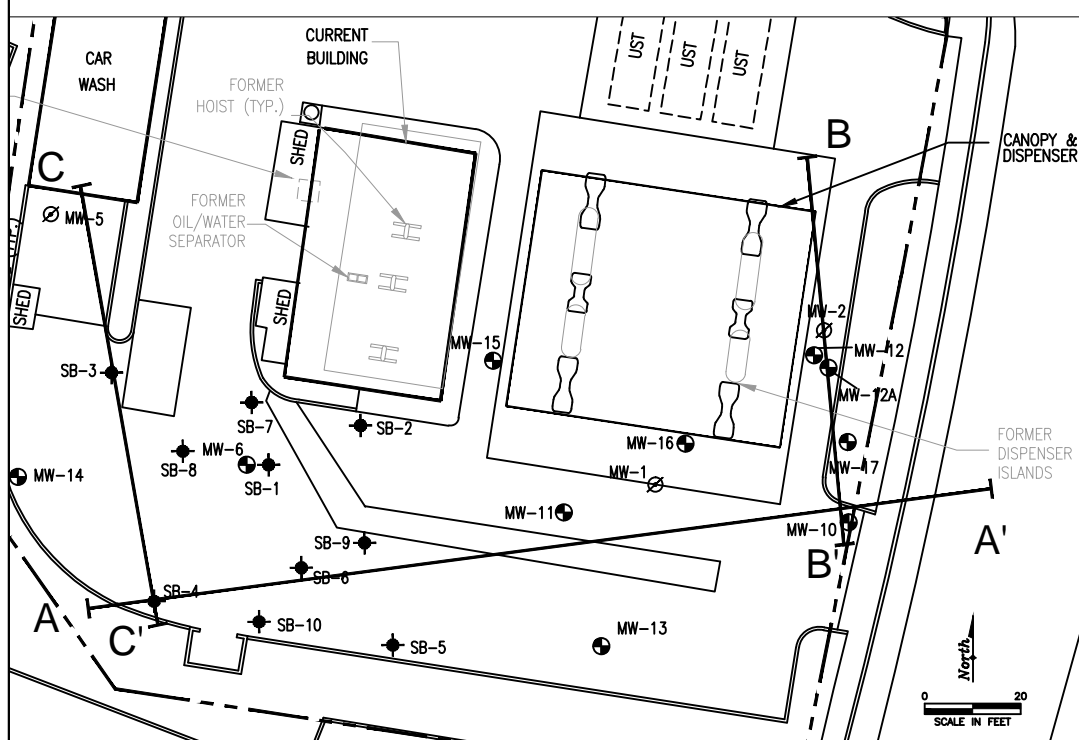
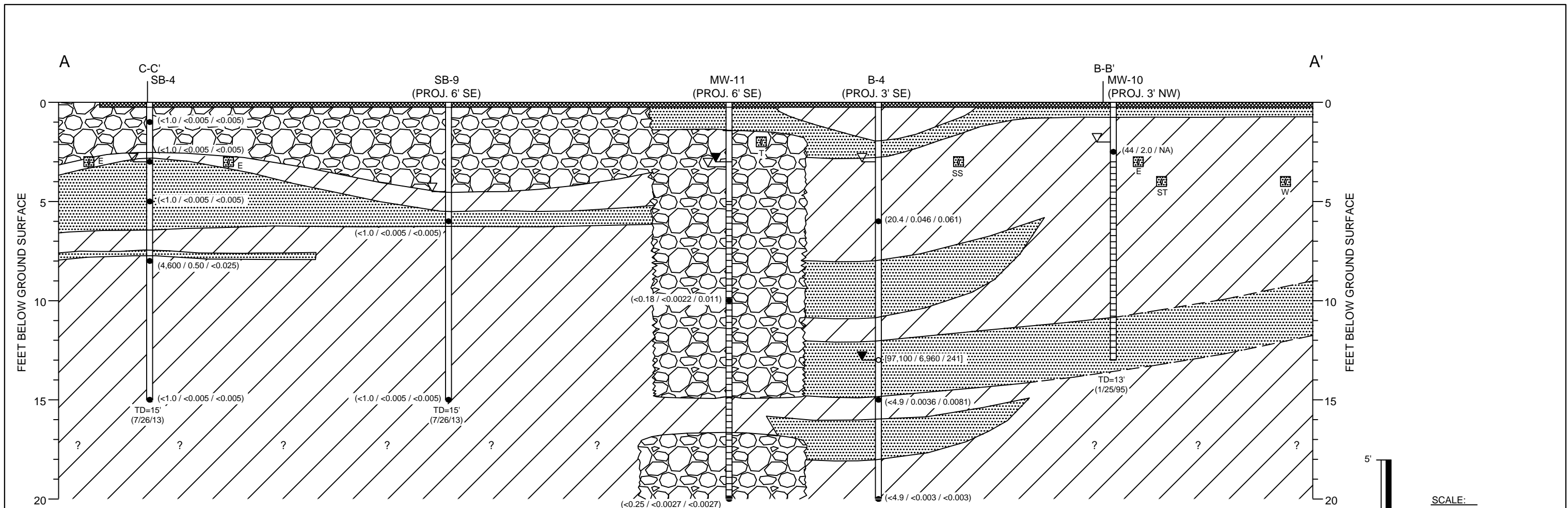
MW-12A			
(6/23/10)			
Dp	26	32	34
G	6,840	943	<0.22
D	2,210	267	<1.9
B	80.9	4.9	<0.0027
M	<0.0027	0.045	<0.0027



FIGURE 3
SITE PLAN WITH HISTORICAL SAMPLE
LOCATIONS AND CONCENTRATIONS
76 STATION NO. 5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO. I42705191	PREPARED BY EW	DRAWN BY JH
DATE 01/07/14	REVIEWED BY DD	FILE NAME 5191-SiteS





EXPLANATION

- MW-11 (PROJ.) MONITORING WELL/BORING LOCATION PROJECTED DISTANCE (FEET)
- (44 / 2.0 / NA) SOIL ANALYTICAL SAMPLE IN mg/kg (TPHg / BENZENE / MTBE)
- [97,100 / 6,960 / 241] DEPTH TO STATIC WATER LEVEL WITH GROUNDWATER ANALYTICAL SAMPLE IN µg/L (TPHg / BENZENE / MTBE)
- WELL SCREEN
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- TD=20' (6/23/10) TOTAL DEPTH OF BORING DATE INSTALLED
- FINE GRAINED MATERIAL (CLAY)
- MEDIUM GRAINED MATERIAL (SAND)
- COARSE GRAINED MATERIAL (GRAVEL/FILL)
- ASPHALT / CONCRETE
- E ELECTRICAL LINE
- T TELEPHONE LINE
- ST STORM DRAIN
- SS SANITARY SEWER
- W WATER LINE
- APPROXIMATE STRATIGRAPHIC BOUNDARY

NOTES:

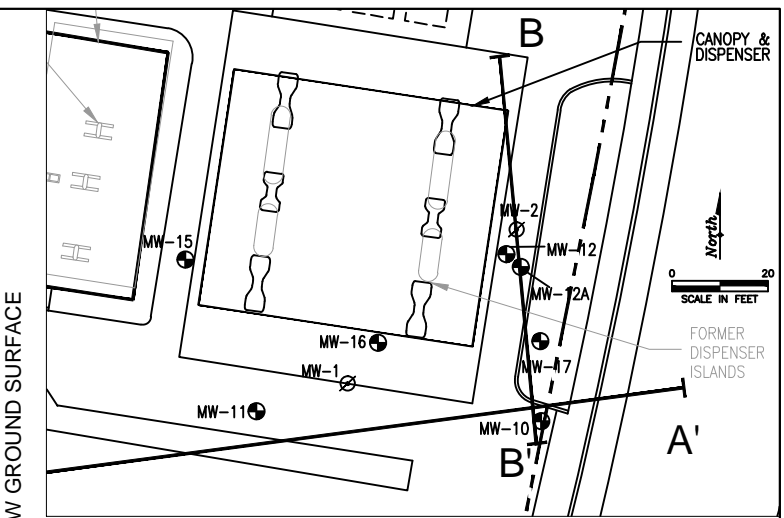
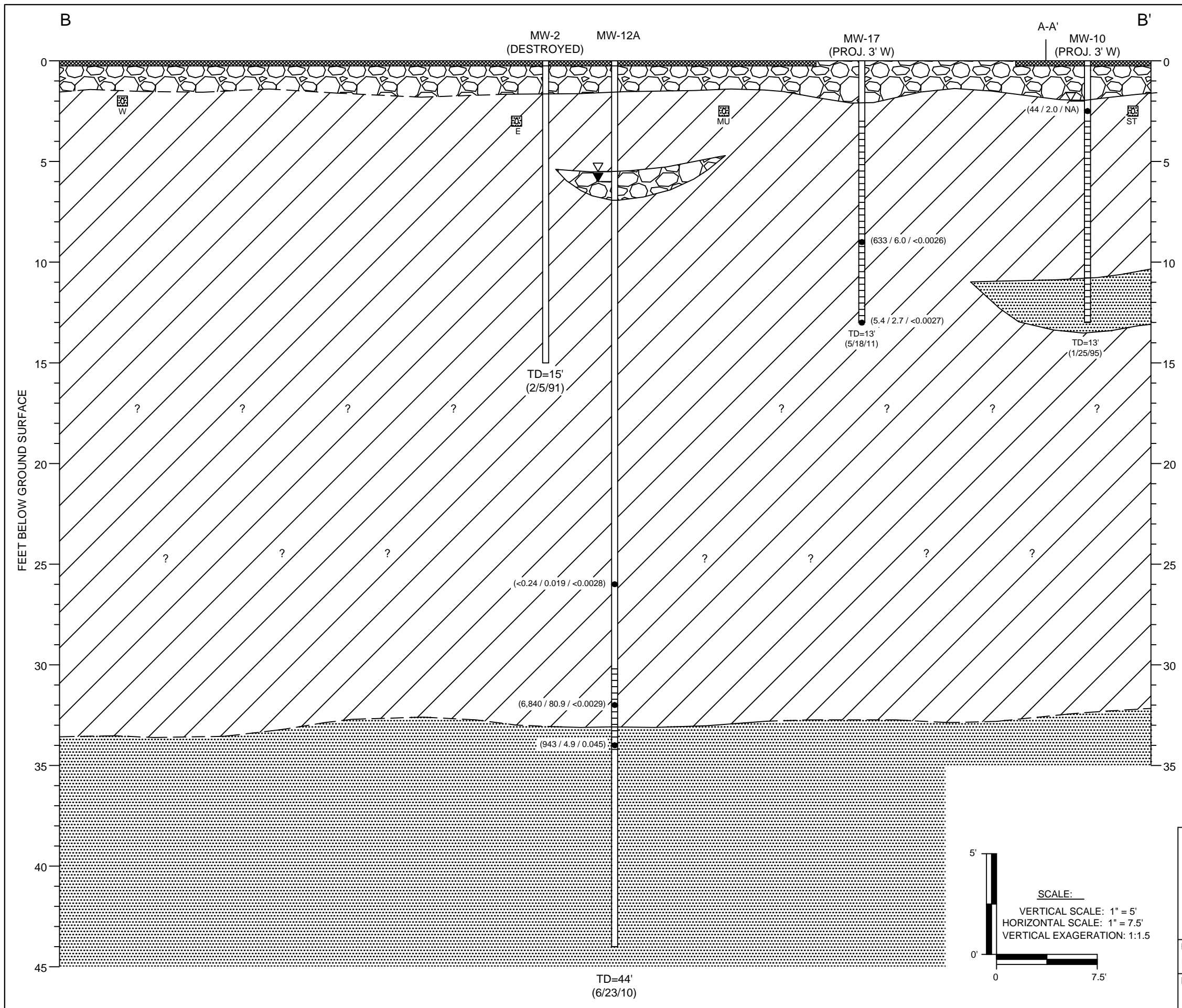
- mg/kg = MILLIGRAMS PER KILOGRAM
- µg/L = MICROGRAMS PER LITER
- TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- MTBE = METHYL TERTIARY BUTYL ETHER
- NA = NOT ANALYZED
- < = LESS THAN LABORATORY INDICATED REPORTING LIMITS

STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

**FIGURE 4
GEOLOGIC CROSS SECTION A-A'**

76 STATION NO. 5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO. I42705191	PREPARED BY EW	DRAWN BY JH
DATE 12/10/13	REVIEWED BY DD	FILE NAME 5191-SiteS



EXPLANATION

	MW-11 (PROJ.)	MONITORING WELL/BORING LOCATION
	(943 / 4.9 / 0.045)	PROJECTED DISTANCE (FEET)
		EXPLORATORY BORING / WELL CASING
		SOIL ANALYTICAL SAMPLE IN mg/kg (TPHg / BENZENE / MTBE)
		WELL SCREEN
		DEPTH TO STATIC WATER LEVEL
		DEPTH TO FIRST ENCOUNTERED GROUNDWATER
	TD=20' (6/23/10)	TOTAL DEPTH OF BORING DATE INSTALLED
		FINE GRAINED MATERIAL (CLAY)
		MEDIUM GRAINED MATERIAL (SAND)
		COARSE GRAINED MATERIAL (GRAVEL/FILL)
		ASPHALT / CONCRETE
		APPROXIMATE STRATIGRAPHIC BOUNDARY
	E	ELECTRICAL LINE
	ST	STORM DRAIN
	MU	METAL UTILITY
	W	WATER LINE

NOTES:

- mg/kg = MILLIGRAMS PER KILOGRAM
- TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- MTBE = METHYL TERTIARY BUTYL ETHER
- NA = NOT ANALYZED
- < = LESS THAN LABORATORY INDICATED REPORTING LIMITS

STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

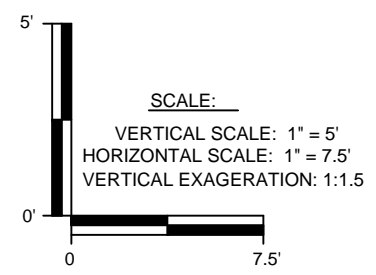
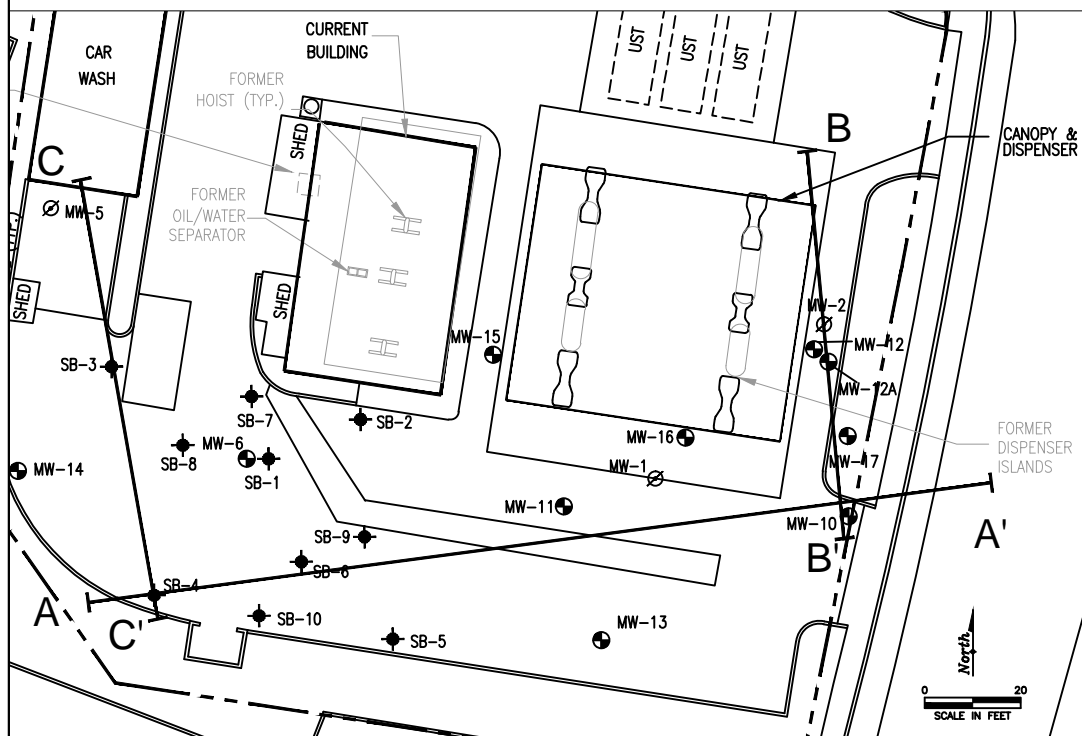
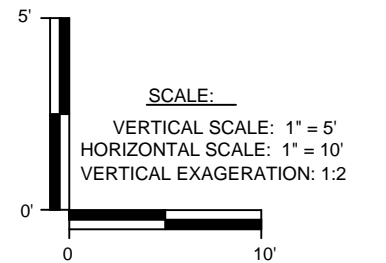
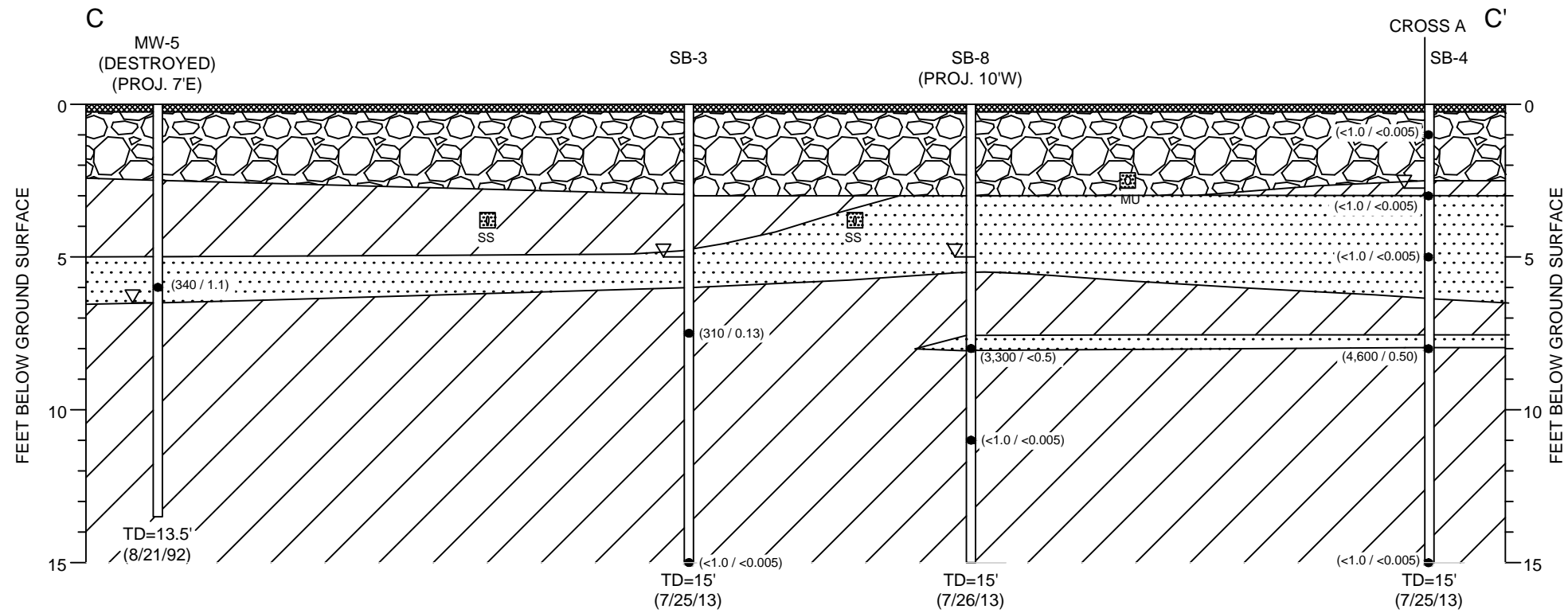


FIGURE 5
GEOLOGIC CROSS SECTION B-B'

76 STATION NO. 5191/5043
 449 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

PROJECT NO. I42705191	PREPARED BY JF	DRAWN BY JH
DATE 12/10/13	REVIEWED BY DD	FILE NAME 5191-SiteS



EXPLANATION

<p>MW-11 (PROJ.) (310 / 0.13)</p> <p>EXPLORATORY BORING / WELL CASING</p> <p>SOIL ANALYTICAL SAMPLE IN mg/kg (TPHg / BENZENE)</p> <p>WELL SCREEN</p> <p>DEPTH TO FIRST ENCOUNTERED GROUNDWATER</p> <p>TD=20' (6/23/10) TOTAL DEPTH OF BORING DATE INSTALLED</p> <p>FINE GRAINED MATERIAL (CLAY)</p> <p>MEDIUM GRAINED MATERIAL (SAND)</p> <p>COARSE GRAINED MATERIAL (GRAVEL/FILL)</p> <p>ASPHALT / CONCRETE</p>	<p>SS SANITARY SEWER</p> <p>MU METAL UTILITY LINE</p> <p>APPROXIMATE STRATIGRAPHIC BOUNDARY</p>
--	---

NOTES:

mg/kg = MILLIGRAMS PER KILOGRAM
 TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
 MTBE = METHYL TERTIARY BUTYL ETHER
 NA = NOT ANALYZED
 < = LESS THAN LABORATORY INDICATED REPORTING LIMITS

STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

**FIGURE 6
GEOLOGIC CROSS SECTION C-C'**

76 STATION NO. 5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO. I42705191	PREPARED BY JF	DRAWN BY JH	
DATE 12/10/13	REVIEWED BY DD	FILE NAME 5191-SiteS	

Tables

Table 1 Historical Soil Analytical Results

TABLE 1

HISTORICAL SOIL ANALYTICAL RESULTS

76 Station No. 5191/5043

449 Hegenberger Raod, Oakland, California

Sample ID	Date	Sample Depth (feet)	TPHg (mg/kg)	TPHg* (mg/kg)	DRO (mg/kg)	DRO* (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	Ethanol (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	Lead (mg/kg)	
FB4	4/3/1995	4.5	1.4	--	<1.0	--	0.23	0.022	0.05	0.15	--	--	--	--	--	--	--	--	--	--	
FBSW1	4/3/1995	3	7.4	--	1.3	--	0.066	0.021	1.0	<0.005	--	--	--	--	--	--	--	--	--	--	
FBSW2	4/3/1995	3	70	--	7.6	--	0.11	0.096	2.1	6.7	--	--	--	--	--	--	--	--	--	--	
FBSW3	4/3/1995	3	2.3	--	7.8	--	0.012	0.01	0.018	0.012	--	--	--	--	--	--	--	--	--	--	
FBSW4	4/3/1995	3	9.0	--	3.7	--	0.25	0.036	0.93	0.062	--	--	--	--	--	--	--	--	--	--	
MW1SW1	4/5/1995	5	25	--	2.8	--	2.1	0.025	2.4	0.19	--	--	--	--	--	--	--	--	--	--	
MW1SW2	4/5/1995	5	4.2	--	1.2	--	0.17	0.01	0.68	0.048	--	--	--	--	--	--	--	--	--	--	
WE1	4/5/1995	4.5	26	--	3.4	--	0.31	0.3	0.59	2.6	--	--	--	--	--	--	--	--	--	--	
WE2	4/5/1995	4.5	2.7	--	5.1	--	0.0054	0.0065	0.038	0.17	--	--	--	--	--	--	--	--	--	--	
WE3	4/5/1995	4.5	8.2	--	1.6	--	0.21	0.074	1.6	0.0076	--	--	--	--	--	--	--	--	--	--	
FS-1	4/5/1995	4	12	--	<1.0	--	0.28	<0.005	1.5	0.016	--	--	--	--	--	--	--	--	--	--	
MW8(6)	4/21/1997	6	1.3	--	<1.0	--	0.0051	<0.005	0.015	0.041	<0.005	--	--	--	--	--	--	--	--	--	
Delta 2009																					
B-4@6	12/17/2009	6	20.4	--	11.4	10.1	0.046	0.18	1.0	4.2	0.061	0.091	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	--	--	
B-4@15	12/17/2009	15	<4.9	--	<5.8	<5.8	0.0036	0.0069	0.011	0.049	0.0081	0.036	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--	--
B-4@20	12/17/2009	20	<4.9	--	<5.6	<5.6	<0.003	<0.003	<0.003	<0.006	<0.003	<0.015	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--	--
B-5@8	12/17/2009	8	1,060	--	285	269	6.2	21.6	30.9	143	<0.0029	0.079	0.068	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	--	--
B-5@17.5	12/17/2009	17.5	136	--	27.8	26.9	0.55	1.4	2.7	15.8	<0.003	0.035	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	--	--
B-5@26.5	12/17/2009	26.5	1,570	--	338	346	16.2	73.5	52.8	255	0.02	0.11	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	--	--
B-5@32	12/17/2009	32	<4.8	--	<5.9	<5.9	0.007	0.0087	0.0057	0.031	<0.0029	<0.015	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	--	--
Delta 2010																					
MW-11@10	6/22/2010	10	--	<0.18	--	3.2	<0.0022	<0.0022	<0.0022	<0.0066	0.011	<0.011	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	--	6.1
MW-11@20	6/22/2010	20	--	<0.25	--	27.3	<0.0027	<0.0027	<0.0027	<0.0081	<0.0027	<0.013	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	--	3.4
MW-12@8	6/22/2010	8	--	210	--	45.7	5.2	9.1	6.7	33.3	<0.0028	0.021	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	--	8.6
MW-12@10	6/22/2010	10	--	422	--	73.6	4.0	3.5	11.0	31.4	<0.0029	<0.015	0.023	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	--	9.5
MW-12@20	6/22/2010	20	--	<0.24	--	<2.0	0.019	<0.0028	<0.0028	<0.0085	<0.0028	<0.014	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	--	6.6
MW-12A@26	6/23/2010	26	--	6,840	--	2,210	80.9	232	178	607	<0.0027	<0.014	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	--	13.1
MW-12A@32	6/23/2010	32	--	943	--	267	4.9	15.5	12.0	42.6	0.045	0.044	0.048	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	<0.0028	--	6.6
MW-12A@34	6/23/2010	34	--	<0.22	--	<1.9	<0.0027	0.0097	0.0074	0.033	<0.0027	<0.013	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	--	4.9
MW-13@8	6/22/2010	8	--	<0.21	--	<2.0	<0.0026	<0.0026	<0.0026	<0.0077	0.064	<0.013	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	--	3.6
MW-13@15	6/22/2010	15	--	<0.24	--	<2.0	<0.0029	<0.0029	<0.0029	<0.0087	<0.0029	<0.014	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	--	5.9
Antea Group 2011																					
MW-14d7	5/17/2011	7	--	<0.23	<2.0	<2.0	<0.0027	<0.0027	<0.0027	<0.0081	<0.0027	<0.014	<0.0027	<0.0027	<0.0027	<0.36	<0.0027	<0.0027	--	6.6	
MW-14d10	5/17/2011	10	--	1,740	45.5 1n	45.9 1n	1.8	0.2	44	140	<0.0026	<0.013	<0.0026	<0.0026	<0.0026	<0.34	<0.0026	<0.0026	--	7	
MW-14d13	5/17/2011	13	--	1.0	<2.0	<2.0	<0.0027	<0.0027	0.037	0.066	<0.0027	<0.014	<0.0027	<0.0027	<0.0027	<0.36	<0.0027	<0.0027	--	6.6	
MW-15d8	5/17/2011	8	--	2.3	6.2	5.2	0.023	<0.0038	1.9	0.25	0.19	0.16	<0.0038	<0.0038	<0.0038	<0.51	<0.0038	<0.0038	--	7	
MW-15d13	5/17/2011	13	--	<0.23	<1.9	<1.9	<0.0028	<0.0028	<0.0028	<0.0083	0.015	0.022	<0.0028	<0.0028	<0.0028	<0.37	<0.0028	<0.0028	--	7	
MW-16d8	5/17/2011	8	--	<0.23	<2.0	<2.0	<0.0027	<0.0027	<0.0027	<0.0081	0.15	0.014	<0.0027	<0.0027	<0.0027	<0.36	<0.0027	<0.0027	--	5.7	
MW-16d13	5/17/2011	13	--	<0.23	<2.0	<2.0	<0.0028	<0.0028	<0.0028	<0.0084	<0.0028	<0.014	<0.0028	<0.0028	<0.0028	<0.37	<0.0028	<0.0028	--	5.5	
MW-17d9	5/18/2011	9	--	633	39.6 1n	36.7 1n	6.0	14.1	17.9	58	<0.0026	0.03	<0.0026	<0.0026	<0.0026	<0.35	<0.0026	<0.0026	--	16.3	
MW-17d13	5/18/2011	13	--	5.4	2.9 1n	2.5 1n	2.7	0.46	1.4	2.8	<0.0027	0.029	<0.0027	<0.0027	<0.0027	<0.36	<0.0027	<0.0027	--	6.4	
B-6d9	5/18/2011	9	--	2,490	72.0 1n	68.6 1n	26.4	73.9	58.1	230	<0.0031	<0.015	<0.0031	<0.0031	<0.0031	<0.41	<0.0031	<0.0031	--	10.1	
B-6d14	5/18/2011	14	--	194	258 1n	250 1n	3.6	5.1	5.1	22	<0.0025	<0.013	<0.0025	<0.0025	<0.0025	<0.33	<0.0025	<0.0025	--	9.2	
B-6d21	5/18/2011	21	--	7.2	<2.0	<2.0	0.67	0.86	0.25	0.94	0.036	0.014	<0.0027	<0.0027	<0.0027	<0.37	<0.0027	<0.0027	--	6.8	
B-6d26	5/18/2011	26	--	17	3.4 1n	2.9 1n	0.83	1.2	0.46	1.7	0.086	0.021	<0.0026	<0.0026	<0.0026	<0.34	<0.0026	<0.0026	--	6.6	

TABLE 1

HISTORICAL SOIL ANALYTICAL RESULTS

76 Station No. 5191/5043

449 Hegenberger Raod, Oakland, California

Sample ID	Date	Sample Depth (feet)	TPHg (mg/kg)	TPHg* (mg/kg)	DRO (mg/kg)	DRO* (mg/Kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	Ethanol (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	Naphthalene (mg/kg)	Lead (mg/kg)
Antea Group 2013																				
SB-1d5.5	7/25/2013	5.5	31,000	--	--	450	85	1,000	650	3,400	<2.5	--	--	--	--	--	--	--	150	--
SB-1d11	7/25/2013	11	73	--	--	3.1	1.2	2.5	1.7	9.3	<0.005	--	--	--	--	--	--	--	0.7	--
SB-1d15	7/25/2013	15	5.0	--	--	3.1	0.0085	0.0072	0.048	0.13	<0.005	--	--	--	--	--	--	--	0.015	--
SB-2d1	7/25/2013	1	<1.0	--	--	10	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-2d3	7/25/2013	3	<1.0	--	--	2.1	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-2d5	7/25/2013	5	<1.0	--	--	5.9	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-2d11	7/25/2013	11	<1.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-2d15	7/25/2013	15	<1.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	0.0059	--	--	--	--	--	--	--	<0.005	--
SB-3d7.5	7/25/2013	7.5	310	--	--	330	0.13	<0.05	7.5	30	<0.05	--	--	--	--	--	--	--	3.3	--
SB-3d15	7/25/2013	15	<1.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-4d1	7/25/2013	1	<1.0	--	--	13	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-4d3	7/25/2013	3	<1.0	--	--	2.6	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-4d5	7/25/2013	5	<1.0	--	--	4.7	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-4d8	7/25/2013	8	4,600	--	--	31	0.5	0.23	160	130	<0.025	--	--	--	--	--	--	--	40	--
SB-4d15	7/25/2013	15	<1.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-5d6	7/25/2013	6	100	--	--	52	0.02	<0.005	3.4	1.7	<0.005	--	--	--	--	--	--	--	3.3	--
SB-5d15	7/25/2013	5	<1.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-6d6.5	7/26/2013	6.5	1,900	--	--	360	0.57	1.1	44	220	<0.25	--	--	--	--	--	--	--	12	--
SB-6d15	7/26/2013	15	<1.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-7d6	7/26/2013	6	21	--	--	11	0.019	<0.005	0.13	0.012	<0.005	--	--	--	--	--	--	--	0.8	--
SB-7d11	7/26/2013	11	57	--	--	17	0.17	0.39	1.0	4.1	<0.005	--	--	--	--	--	--	--	0.54	--
SB-7d13	7/26/2013	13	1.8	--	--	1.5	0.018	0.0086	0.11	0.37	<0.005	--	--	--	--	--	--	--	0.055	--
SB-8d8	7/26/2013	8	3,300	--	--	900	<0.5	<0.5	15	54	<0.5	--	--	--	--	--	--	--	4.6	--
SB-8d11	7/26/2013	11	<1.0	--	--	<1.0	<0.005	<0.005	0.018	0.0075	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-9d6	7/26/2013	6	<1.0	--	--	5.9	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-9d15	7/26/2013	15	<1.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-10d8	7/26/2013	8	<1.0	--	--	1.9	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--
SB-10d11	7/26/2013	11	<1.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	<0.005	--

Notes:

TPHg = total petroleum hydrocarbons as gasoline by EPA Method 8015

TPHg* = total petroleum hydrocarbons as gasoline by CA LUFT

DRO = Diesel Range Organics by EPA Method 8015B

DRO* = Diesel Range Organics by EPA Method 8015 Silica Gel Treated

BTEX = benzene, toluene, ethylbenzene, total xylenes by EPA Method 8260B

MTBE = methyl tertiary-butyl ether by EPA Method 8260

TBA = tertiary-butyl alcohol by EPA Method 8260

TAME = tert-amyl methyl ether by EPA Method 8260

DIPE = Diisopropyl ether by EPA Method 8260

ETBE = Ethyl-tert-butyl-ether by EPA Method 8260

EDB = 1,2-Dibromoethane by EPA Method 8260

1,2-DCA = 1,2-Dichloroethane by EPA Method 8260

mg/kg = milligrams per kilogram

-- = not analysed

Appendix A

Drilling Permit

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: 06/20/2013 By jamesy

Permit Numbers: W2013-0476
Permits Valid from 06/24/2013 to 06/25/2013

Application Id: 1371597971785
Site Location: 449 Hegenberger Road, Oakland, CA
Project Start Date: 06/24/2013
Assigned Inspector: Contact Sam Brathwaite at (925) 570-7609 or sbrathwaite@groundzonees.com

City of Project Site:Oakland

Completion Date:06/25/2013

Applicant: Antea Group - Ed Weyrens
11050 White Rock Ste 110, Rancho Cordova, CA 95670
Phone: 916-503-1277
Property Owner: Pacific Convenience & Fuels
2603 Camino Ramon, Ste 350, San Ramon, CA 94583
Phone: 925-884-0800
Client: ** same as Property Owner **

Receipt Number: WR2013-0224 Total Due: \$265.00
Payer Name : Antea Group Total Amount Paid: \$265.00
Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitoring Study - 7 Boreholes
Driller: Cascade - Lic #: 938110 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2013-0476	06/20/2013	09/22/2013	7	3.00 in.	11.00 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. 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.
5. 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.
6. 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

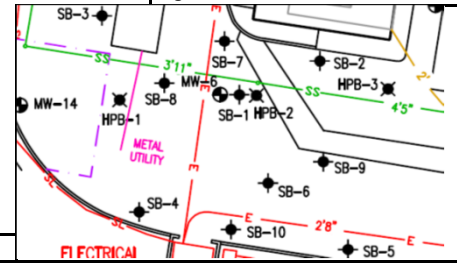
Boring Logs



Project No: **I42705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/25/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-1**
 Page 1 of 1



▽ First Water Depth: 5 ft
 ▼ Static Water Depth: NA

Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
					0				4" Asphalt
					1				Gravel Fill
					2				Lean CLAY (CL) - black, 95% clay 5% fine to medium sand medium plasticity, stiff moist.
			5		3				Lean CLAY (CL) - greenish grey, 95% clay, 5% fine to medium sand medium plasticity, stiff moist.
					4				
			1370	SB-1d5.5	5				Clayey SAND (SC) - dark grey, 80% fine to medium sand, 20% clay, dense, wet, hydrocarbon odor.
			80		6				
			78		7				
					8				Lean CLAY (CL) - black, 100% clay, medium plasticity, soft, wet, hydrocarbon odor.
					9				
			199.0	SB-1d11	10				Organic SOIL (OL) - black with brown organics, 70% clay, 30% plant matter (roots or grass), medium plasticity, soft, wet.
			6.8		11				
			21.5	SB-1d12	12				Lean CLAY (CL) - dark grey, 100% clay, medium plasticity, very stiff, moist.
			18.5		13				Lean CLAY (CL) - blueish grey, 100% clay, medium plasticity, very stiff, moist.
					14				
			9.5	SB-1d15	15				Total Depth 15 feet below ground surface
					16				
					17				
					18				
					19				
					20				
					21				
					22				

neat cement

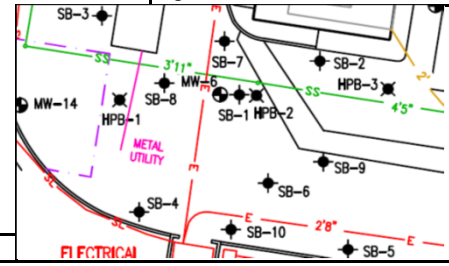


Project No: **142705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/25/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-3**
 Page 1 of 1

▽ First Water Depth: 4.75 ft
 ▼ Static Water Depth: NA



Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
						Recovery	Analyzed		
			0		1			4" Asphalt	
					2				
					3				
			0		4			Lean CLAY (CL) - dark grey, 90% clay, 5% fine to medium sand, 5% organics, medium plasticity, stiff, moist.	
			0		5			Lean CLAY (CL) - dark grey, 90% clay, 15% fine to medium sand, medium plasticity, stiff, wet.	
					6			Clayey SAND (SC) - reddish brown, 60% fine to coarse sand, 40% clay, loose, wet.	
			98		7			Lean Clay (CL) - grey, 95% clay, 5% fine to medium sand, medium plasticity, soft, wet.	
			167	SB-3d7.5	8			Lean Clay (CL) - dark grey, 95% clay, 5% fine to medium sand, low plasticity, medium stiff, wet.	
			17.8		9			Organic SOIL (OL) - brown, grey, 90% plant matter (roots or grass), 10% clay, soft, wet.	
			3.4		10			Organic SOIL (OL) - dark grey, 70% clay, 30% plant matter (roots or grass), low plasticity, medium stiff, wet.	
			0.2	SB-3d11	11			Lean CLAY (CL) - black, 90% clay, 10% plant matter, medium plasticity, stiff, moist.	
			0.2		12			Lean CLAY (CL) - black, 95-100% clay, 5% organics, medium plasticity, stiff, moist.	
			0		13				
			0		14			Lean CLAY (CL) - greenish grey 95-100% clay, 5% organics, low plasticity, very stiff, moist.	
			0	SB-3d15	15			Total Depth 15 feet below ground surface	
					16				
					17				
					18				
					19				
					20				
					21				
					22				

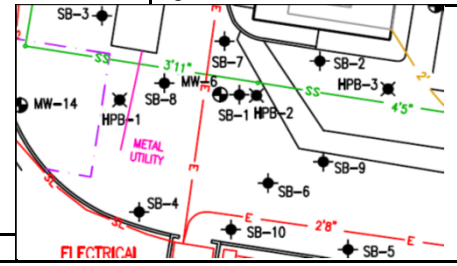
neat cement



Project No: **142705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/25/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-4**
 Page 1 of 1



▽ First Water Depth: 2.9 ft
 ▼ Static Water Depth: NA

Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
						Recovery	Analyzed		
			0	SB-4d1	1			4" Asphalt	
					2				Poorly Graded Gravel with sand (GP) - light grey, 60% fine gravel, 40% fine to coarse sand, medium dense, dry.
	▽		0	SB-4d3	3				Lean CLAY (CL) - dark grey, 90% clay, 5% fine to medium sand, 5% organics, medium plasticity, stiff, moist.
					4				Clayey SAND (SC) - grey, 70% fine to medium sand, 30% clay, loose, wet.
				SB-4d5	5				Clayey SAND (SC) - grey, 55% fine to medium sand, 45% clay, loose, wet.
			2.9		6				Clayey SAND (SC) - grey, 70% fine to medium sand, 30% clay, loose, wet.
					7				Lean Clay (CL) - black, 95% clay, 5% fine sand, low plasticity, very stiff, moist.
			1338	SB-4d8	8				Poorly graded SAND (SP) - black, 100% medium sand, dense, wet, oil odor.
					9				Lean CLAY (CL) - grey, 100% clay, medium plasticity, soft, moist.
					10				Lean CLAY (CL) - black, 95% clay, 5% organics, medium plasticity, stiff, moist.
			1.2	SB-4d11	11				
			0.4		12				Lean CLAY (CL) - grey, 100% clay, low plasticity, stiff, moist.
			0.1		13				
					14				Lean CLAY (CL) - greenish grey, 95% clay, 5% fine to medium sand, low plasticity, very stiff, moist.
			0	SB-4d15	15				Total Depth 15 feet below ground surface
					16				
					17				
					18				
					19				
					20				
					21				
					22				

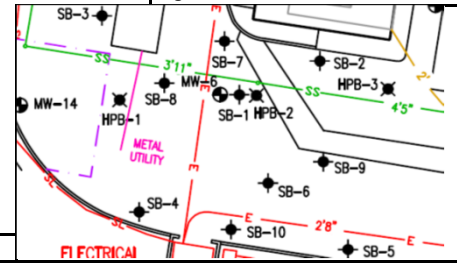
neat cement



Project No: **142705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/25/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-5**
 Page 1 of 1



▽ First Water Depth: 4 ft
 ▼ Static Water Depth: NA

Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
			0		1			4" Asphalt	
					2			Poorly Graded Gravel with sand (GP) - reddish brown, 60% fine gravel, 30% fine to coarse sand, 10% clay, moist.	
			0		3			Lean CLAY (CL) - brown, 90% clay, 10% fine to coarse sand, stiff, low plasticity, moist.	
	▽				4			Well graded SAND (SW) - grey, 100% fine to coarse sand, loose, wet.	
			0		5			Lean CLAY (CL) - grey, 90% clay, 10% fine to coarse sand, stiff, medium plasticity, wet.	
			78.0	SB-5d6.5	6			Organic SOIL (OL) - grey, 90% clay, 10% organics, soft, wet.	
			12.4		7			Poorly Graded Sand (SP) - grey, 95% medium sand, 5% clay, loose wet.	
			4.0		8			Organic SOIL (OL) - grey, 60% organics, 40% clay, medium plasticity, medium stiff, wet.	
			1.8		9			Lean CLAY (CL) - dark grey, 90% clay, 10% organics, soft, medium plasticity, wet.	
			2.3		10			Lean CLAY (CL) - dark grey, 90% clay, 10% organics, stiff, medium plasticity, wet.	
			0.3	SB-5d11	11			Lean CLAY (CL) - dark grey, 100% clay, stiff, medium plasticity, moist.	
			0.1		12			Lean CLAY (CL) - dark grey, 95% clay, 5% organics, very stiff, medium plasticity, moist.	
			0		13			Lean CLAY (CL) - greenish grey, 100% clay, very stiff, medium plasticity, moist.	
			0		14				
			0	SB-5d15	15				Total Depth 15 feet below ground surface
					16				
					17				
					18				
					19				
					20				
					21				
					22				

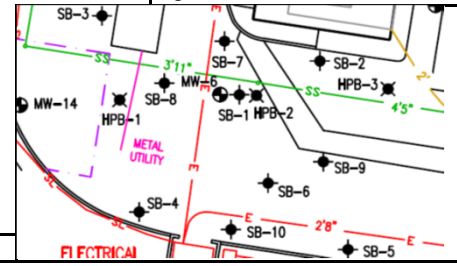
neat cement



Project No: **142705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/26/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-6**
 Page 1 of 1



▽ First Water Depth: **4.5 ft**
 ▼ Static Water Depth: **NA**

Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
								4" Asphalt	
			0.1		1			GP	Poorly Graded Gravel with sand (GP) - reddish brown, 60% fine gravel, 30% fine to coarse sand, 10% clay, moist.
			0		2			SC	Clayey SAND (SC) - greenish grey, 60% fine to medium sand, 40% clay, medium dense, moist.
					3			CL	Lean CLAY (CL) - greenish grey, 80% clay, 20% fine to medium sand, stiff, low plasticity, moist.
	▽		0.1		4			CL	Lean CLAY (CL) - greenish grey, 95% clay, 5% fine to medium sand, stiff, medium plasticity, wet.
			16		5				
			40		6			SP	Poorly Graded Sand (SP) - grey, 100% medium sand, medium dense, wet, hydrocarbon odor. 1 or 2 inches thick
			2567	SB-6d6.5	6				
			33.5		7			SC	Clayey Sand (SC) - dark grey, 60% fine to medium sand, 40% clay, medium dense, wet.
			29.2		8			CL	Lean CLAY (CL) - grey, 90% clay, 10% fine to medium sand, soft, medium plasticity, wet.
			2.9		9			SP	Poorly Graded Sand (SP) - grey, 93% medium sand, 5% clay, 2% organics, medium dense, wet.
			1.9		10			CL	Lean CLAY (CL) - dark grey, 90% clay, 10% organics, stiff, medium plasticity, wet.
				SB-6d11	11			CL	Lean CLAY (CL) - dark grey, 100% clay, stiff, medium plasticity, moist.
			1.8		12			CL	Lean CLAY (CL) - dark grey, 95% clay, 5% organics, very stiff, medium plasticity, moist.
			0.1		13			CL	Lean CLAY (CL) - greenish grey, 100% clay, very stiff, medium plasticity, moist.
			0.2		14				
			0.1	SB-6d15	15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				
									Total Depth 15 feet below ground surface

neat cement

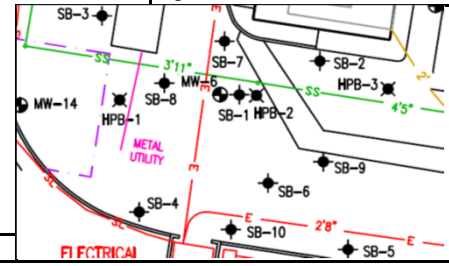


Project No: **142705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/26/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-7**
 Page 1 of 1

▽ First Water Depth: 4 ft
 ▼ Static Water Depth: NA



Boring Completion		Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
		▽		0		1			4" Asphalt	
				0		2			Clayey Gravel with sand (GC) - brown, 50% fine to coarse gravel, 25% fine to coarse sand, 25% clay (in clumps), moist.	
						3			Clayey Gravel with sand (GC) - grey, 50% fine to coarse gravel, 25% fine to coarse sand, 25% clay (in clumps), moist. - brown, 50% fine to coarse gravel, 25% fine to coarse sand, 25% clay (in clumps), moist.	
				0		4			Lean CLAY (CL) - grey, 90% clay, 10% fine to coarse sand, soft, medium plasticity, wet.	
				0.4	SB-7d6	5			Clayey Sand (SC) - grey, 60% fine to medium sand, 40% clay, dense, wet.	
				0.4		6			Lean CLAY (CL) - grey, 100% clay, soft, medium plasticity, wet.	
				2.9		7			Lean CLAY (CL) - dark grey, 95% clay, 5% fine to coarse sand, soft, medium plasticity, wet.	
				7.6		8			Lean CLAY (CL) - dark grey, 95% clay, 5% fine to coarse sand, stiff, low plasticity, moist.	
				14.8	SB-7d11	9			Lean CLAY (CL) - dark grey, 90% clay, 5% fine to coarse sand, 5% organics, stiff, low plasticity, moist.	
				4.9		10			Lean CLAY (CL) - dark grey, 93% clay, 5% fine to coarse sand, 2% organics, stiff, low plasticity, moist.	
				42.2	SB-7d13	11			Lean CLAY (CL) - greenish grey, 93% clay, 5% fine to coarse sand, 2% organics, very stiff, low plasticity, moist.	
				0.9		12			Total Depth 15 feet below ground surface	
				0.6		13				
						14				
						15				
						16				
						17				
						18				
						19				
						20				
						21				
						22				

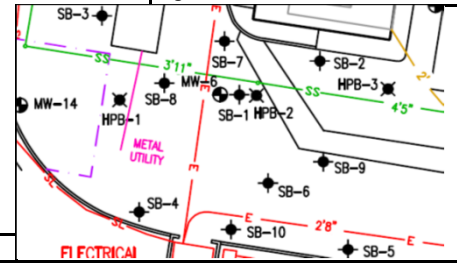
neat cement



Project No: **142705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/26/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-8**
 Page 1 of 1



▽ First Water Depth: 5 ft
 ▼ Static Water Depth: NA

Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
						Recovery	Analyzed		
									4" Asphalt
			0.1		1				Poorly Graded Gravel with sand (GP) - reddish brown, 60% fine gravel, 30% fine to coarse sand, 10% clay, moist.
					2				Clayey Gravel with sand (GC) - brown, 50% fine to coarse gravel, 25% fine to coarse sand, 25% clay (in clumps), moist.
			0.4		3				Well Graded SAND (SW) - grey, 95% fine to coarse sand, 5% clay, loose, moist.
			0.1		4				Clayey Sand (SC) - grey, 80% fine to medium sand, 20% clay, medium dense, moist.
	▽				5				Wet at 5 feet.
			7.2		6				Lean CLAY (CL) - grey, 100% clay, stiff, medium plasticity, moist.
			144		7				Lean CLAY (CL) - dark grey, 100% clay, stiff, medium plasticity, moist.
			1207	SB-8d8	8				Poorly Graded SAND (SP) - dark grey to black, 100% fine sand, dense, wet, hydrocarbon odor.
			4.7		9				Lean CLAY (CL) - dark grey, 100% clay, soft, medium plasticity, wet.
			1.1		10				Piece of wood in clay < 1 inch thick at 9.5 feet below grade
			1.1	SB-8d11	11				Lean CLAY (CL) - dark grey, 100% clay, stiff, medium plasticity, moist.
			0.4		12				Lean CLAY (CL) - grey, 100% clay, very stiff, medium plasticity, moist.
			0.2		13				Lean CLAY (CL) - greenish grey, 100% clay, very stiff, medium plasticity, moist.
			0.3		14				
			0.5		15				Total Depth 15 feet below ground surface
					16				
					17				
					18				
					19				
					20				
					21				
					22				

neat cement

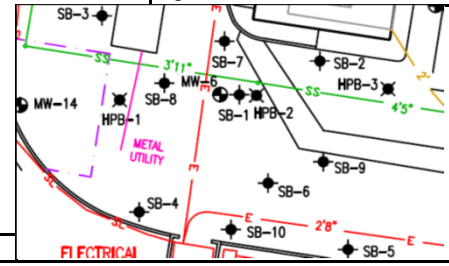


Project No: **142705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/26/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-9**
 Page 1 of 1

▽ First Water Depth: **4.5 ft**
 ▼ Static Water Depth: **NA**



Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
						Recovery	Analyzed		
					0			4" Asphalt	
			0		1			Poorly Graded Gravel with sand (GP) - reddish brown, 60% fine gravel, 30% fine to coarse sand, 10% clay, moist.	
			0		2				
					3				
					4			Well Graded Gravel with sand (GW) - reddish brown, 60% fine to coarse gravel, 30% fine to coarse sand, 10% clay, moist.	
			0		5			Lean CLAY (CL) - grey, 95% clay, 5% fine to medium sand, stiff, medium plasticity, wet.	
			27.0	SB-9d6	6			Clayey SAND (SC) - grey, 80% fine to coarse sand, 20% clay, dense, wet.	
			0.1		7			Lean CLAY (CL) - grey, 100% clay, soft, medium plasticity, wet.	
			0		8			Lean CLAY (CL) - grey, 95% clay, 5% fine to coarse sand, soft, medium plasticity, wet.	
			0.2	SB-9d9	9			Lean CLAY (CL) - dark grey, 100% clay, medium stiff, medium plasticity, moist.	
					10			Lean CLAY (CL) - grey, 100% clay, stiff, medium plasticity, moist.	
			0.1		11				
					12			Lean CLAY (CL) - grey, 100% clay, very stiff, medium plasticity, moist.	
			0		13			Lean CLAY (CL) - grey, 100% clay, hard, medium plasticity, moist.	
					14				
			0	SB-9d15	15				Total Depth 15 feet below ground surface
					16				
					17				
					18				
					19				
					20				
					21				
					22				

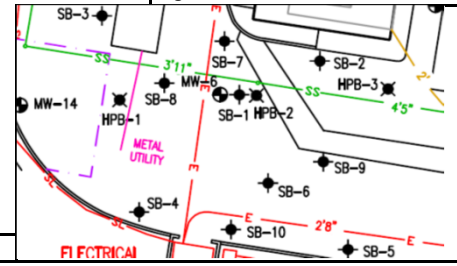
neat cement



Project No: **142705191**
 Logged By: **Jonathan Fillingame**
 Driller: **Cascade Drilling**
 Drilling Method: Direct Push
 Sampling Method: Continuous

Client: **COP/ELT**
 Location: **449 Hegenberger Road, Oakland**
 Date Drilled: **7/26/2013**
 Hole Diameter: **2 in**
 Hole Depth: **15 ft**

Boring No: **SB-10**
 Page 1 of 1



▽ First Water Depth: **4.75 ft**
 ▼ Static Water Depth: **NA**

Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample		Soil Type	LITHOLOGY / DESCRIPTION
						Recovery	Analyzed		
					0			4" Asphalt	
			0		1			Poorly Graded Gravel with sand (GP) - grey, 60% fine to coarse gravel, 40% fine to coarse sand, dry.	
			0		2				
			0		3			Poorly Graded SAND (SP) - brown, 100% fine sand, loose, moist.	
			0		4			Lean CLAY (CL) - grey, brown, 90% clay, 10% fine to medium sand, very stiff, low plasticity, wet.	
			0		5			Clayey SAND (SC) - grey, 60% fine to medium sand, 40% clay, medium dense, wet.	
			0		6			Lean CLAY (CL) - grey, 100% clay, stiff, low plasticity, wet.	
			0	SB-10d8	7			Poorly Graded SAND (SP) - grey, 95% fine sand, 5% clay, dense, wet.	
			0		8			Sandy Lean CLAY (CL) - grey, 70% clay, 30% fine sand, soft, low plasticity, wet.	
			0		9			Lean CLAY (CL) - grey, 90% clay, 5% fine sand, 5% organics, stiff, medium plasticity, moist.	
			0	SB-10d11	10			Lean CLAY (CL) - dark grey, 90% clay, 5% fine sand, 5% organics, stiff, medium plasticity, moist.	
			0		11			Lean CLAY (CL) - greenish grey, 90% clay, 5% fine sand, 5% organics, very stiff, medium plasticity, moist.	
			0		12				
			0		13				
			0		14				
			0		15				Total Depth 15 feet below ground surface
			0		16				
			0		17				
			0		18				
			0		19				
			0		20				
			0		21				
			0		22				

neat cement

Appendix C

Certified Laboratory Analytical Reports and Data Validation Forms

Laboratory Results

Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Subject : 28 Soil Samples
Project Name : I42705191
Project Number :

Dear Mr. Dettloff,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Troy Turpen

Subject : 28 Soil Samples
Project Name : I42705191
Project Number :

Case Narrative

All soil samples were reported on a total weight (wet weight) basis.

A revised Chain of Custody was provided by the client requesting additional analyses.

Matrix Spike/Matrix Spike Duplicate results associated with sample SB-2d11 for the analytes Ethylbenzene, P + M Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with sample SB-7d6 for the analytes Benzene, Methyl-t-butyl ether, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with samples SB-7d6 and SB-7d11 for the analyte Naphthalene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with samples SB-1d5.5, SB-1d11, SB-1d15, SB-3d7.5, SB-5d6, and SB-2d11 for the analytes Benzene, Ethylbenzene, Methyl-t-butyl ether, Naphthalene, P + M Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.



Report Number : 85536

Date : 08/05/13

Analysis Summary

Attention : Dennis Dettloff
 Antea Group
 11050 White Rock Rd. Suite 110
 Rancho Cordova, CA 95670

Project Name :I42705191

Project Number :

Sample Name			SB-1d5.5		SB-1d11		SB-1d15		SB-2d1		SB-2d3		SB-2d5		SB-2d11	
Sample Date			07/25/13		07/25/13		07/25/13		07/25/13		07/25/13		07/25/13		07/25/13	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	mg/Kg	2.5	85	0.025	1.2	0.0050	0.0085	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Ethylbenzene	EPA 8260B	mg/Kg	2.5	650	0.025	1.7	0.0050	0.048	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Toluene	EPA 8260B	mg/Kg	2.5	1000	0.025	2.5	0.0050	0.0072	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Total Xylenes	EPA 8260B	mg/Kg	25	3400	0.025	9.3	0.0050	0.13	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	2.5	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	2500	31000	2.5	73	1.0	5.0	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Naphthalene	EPA 8260B	mg/Kg	2.5	150	0.025	0.70	0.0050	0.015	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		97.9		99.7		99.7		110		108		107		115
2-Bromochlorobenzene (Surr)	EPA 8260B	%		103		83.8										
4-Bromofluorobenzene (Surr)	EPA 8260B	%		103		104		102		101		101		97.8		103
Toluene - d8 (Surr)	EPA 8260B	%		99.9		100		99.6		102		103		102		104
TPH as Diesel (Silica Gel)	M EPA 8015	mg/Kg	10	450	1.0	3.1	1.0	3.1	2.0	10	1.0	2.1	1.0	5.9	1.0	ND
Octacosane (Silica Gel Surr)	M EPA 8015	%		78.4		109		116		117		93.5		100		97.6

MRL = Method Reporting Limit

ND = Not Detected



Analysis Summary

Report Number : 85536

Date : 08/05/13

Attention : Dennis Dettloff
 Antea Group
 11050 White Rock Rd. Suite 110
 Rancho Cordova, CA 95670

Project Name :I42705191

Project Number :

Sample Name			SB-2d15		SB-3d7.5		SB-3d15		SB-4d1		SB-4d3		SB-4d5		SB-4d8	
Sample Date			07/25/13		07/25/13		07/25/13		07/25/13		07/25/13		07/25/13		07/25/13	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	mg/Kg	0.0050	ND	0.050	0.13	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.025	0.50
Ethylbenzene	EPA 8260B	mg/Kg	0.0050	ND	0.050	7.5	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.50	160
Toluene	EPA 8260B	mg/Kg	0.0050	ND	0.050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.025	0.23
Total Xylenes	EPA 8260B	mg/Kg	0.0050	ND	0.050	30	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.50	130
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.0050	0.0059	0.050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.025	ND
TPH as Gasoline	EPA 8260B	mg/Kg	1.0	ND	5.0	310	1.0	ND	1.0	ND	1.0	ND	1.0	ND	50	4600
Naphthalene	EPA 8260B	mg/Kg	0.0050	ND	0.050	3.3	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.50	40
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		110		98.4		112		114		110		109		106
2-Bromochlorobenzene (Surr)	EPA 8260B	%				87.1										94.2
4-Bromofluorobenzene (Surr)	EPA 8260B	%		107		103		106		93.7		100		101		108
Toluene - d8 (Surr)	EPA 8260B	%		104		100		103		99.0		102		103		105
TPH as Diesel (Silica Gel)	M EPA 8015	mg/Kg	1.0	ND	1.0	330	1.0	ND	5.0	13	1.0	2.6	1.0	4.7	1.0	31
Octacosane (Silica Gel Surr)	M EPA 8015	%		105		97.0		117		106		107		99.5		110

MRL = Method Reporting Limit

ND = Not Detected



Analysis Summary

Report Number : 85536

Date : 08/05/13

Attention : Dennis Dettloff
 Antea Group
 11050 White Rock Rd. Suite 110
 Rancho Cordova, CA 95670

Project Name :I42705191

Project Number :

Sample Name			SB-4d15		SB-5d6		SB-5d15		SB-6d6.5		SB-6d15		SB-7d6		SB-7d11	
Sample Date			07/25/13		07/25/13		07/25/13		07/26/13		07/26/13		07/26/13		07/26/13	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	mg/Kg	0.0050	ND	0.0050	0.020	0.0050	ND	0.25	0.57	0.0050	ND	0.0050	0.019	0.0050	0.17
Ethylbenzene	EPA 8260B	mg/Kg	0.0050	ND	0.025	3.4	0.0050	ND	0.25	44	0.0050	ND	0.0050	0.13	0.025	1.0
Toluene	EPA 8260B	mg/Kg	0.0050	ND	0.0050	ND	0.0050	ND	0.25	1.1	0.0050	ND	0.0050	ND	0.0050	0.39
Total Xylenes	EPA 8260B	mg/Kg	0.0050	ND	0.025	1.7	0.0050	ND	0.25	220	0.0050	ND	0.0050	0.012	0.025	4.1
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.0050	ND	0.0050	ND	0.0050	ND	0.25	ND	0.0050	ND	0.0050	ND	0.0050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	1.0	ND	2.5	100	1.0	ND	25	1900	1.0	ND	1.0	21	2.5	57
Naphthalene	EPA 8260B	mg/Kg	0.0050	ND	0.025	3.3	0.0050	ND	0.25	12	0.0050	ND	0.0050	0.80	0.025	0.54
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		115		98.2		113		101		113		97.9		107
2-Bromochlorobenzene (Surr)	EPA 8260B	%				84.6				91.5						82.2
4-Bromofluorobenzene (Surr)	EPA 8260B	%		104		104		108		114		107		103		104
Toluene - d8 (Surr)	EPA 8260B	%		102		101		104		106		102		100		98.4
TPH as Diesel (Silica Gel)	M EPA 8015	mg/Kg	1.0	ND	1.0	52	1.0	ND	1.0	360	1.0	ND	1.0	11	1.0	17
Octacosane (Silica Gel Surr)	M EPA 8015	%		120		72.9		72.3		113		110		76.6		104

MRL = Method Reporting Limit

ND = Not Detected



Report Number : 85536

Date : 08/05/13

Analysis Summary

Attention : Dennis Dettloff
 Antea Group
 11050 White Rock Rd. Suite 110
 Rancho Cordova, CA 95670

Project Name :I42705191

Project Number :

Sample Name			SB-7d13		SB-8d8		SB-8d11		SB-9d6		SB-9d15		SB-10d8		SB-10d11	
Sample Date			07/26/13		07/26/13		07/26/13		07/26/13		07/26/13		07/26/13		07/26/13	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	mg/Kg	0.0050	0.018	0.50	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Ethylbenzene	EPA 8260B	mg/Kg	0.0050	0.11	0.50	15	0.0050	0.018	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Toluene	EPA 8260B	mg/Kg	0.0050	0.0086	0.50	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Total Xylenes	EPA 8260B	mg/Kg	0.0050	0.37	0.50	54	0.0050	0.0075	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.0050	ND	0.50	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	1.0	1.8	50	3300	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Naphthalene	EPA 8260B	mg/Kg	0.0050	0.055	0.50	4.6	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		112		105		116		108		113		103		110
2-Bromochlorobenzene (Surr)	EPA 8260B	%				90.0										
4-Bromofluorobenzene (Surr)	EPA 8260B	%		110		110		107		108		100		99.1		101
Toluene - d8 (Surr)	EPA 8260B	%		104		104		105		103		103		103		100
TPH as Diesel (Silica Gel)	M EPA 8015	mg/Kg	1.0	1.5	1.0	900	1.0	ND	1.0	5.9	1.0	ND	1.0	1.9	1.0	ND
Octacosane (Silica Gel Surr)	M EPA 8015	%		121		108		91.5		102		115		111		105

MRL = Method Reporting Limit

ND = Not Detected

Project Name : **I42705191**

Project Number :

Sample : **SB-1d5.5**

Matrix : Soil

Lab Number : 85536-01

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	85	2.5	mg/Kg	EPA 8260B	08/01/13 18:22
Toluene	1000	2.5	mg/Kg	EPA 8260B	08/01/13 18:22
Ethylbenzene	650	2.5	mg/Kg	EPA 8260B	08/01/13 18:22
Total Xylenes	3400	25	mg/Kg	EPA 8260B	08/02/13 10:58
Methyl-t-butyl ether (MTBE)	< 2.5	2.5	mg/Kg	EPA 8260B	08/01/13 18:22
TPH as Gasoline	31000	2500	mg/Kg	EPA 8260B	08/02/13 10:58
Naphthalene	150	2.5	mg/Kg	EPA 8260B	08/01/13 18:22
1,2-Dichloroethane-d4 (Surr)	97.9		% Recovery	EPA 8260B	08/01/13 18:22
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	08/01/13 18:22
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	08/01/13 18:22
2-Bromochlorobenzene (Surr)	103		% Recovery	EPA 8260B	08/01/13 18:22
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)	450	10	mg/Kg	M EPA 8015	08/01/13 23:21
Octacosane (Silica Gel Surr)	78.4		% Recovery	M EPA 8015	08/01/13 23:21

Project Name : **I42705191**

Project Number :

Sample : **SB-1d11**

Matrix : Soil

Lab Number : 85536-02

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	1.2	0.025	mg/Kg	EPA 8260B	08/01/13 17:10
Toluene	2.5	0.025	mg/Kg	EPA 8260B	08/01/13 17:10
Ethylbenzene	1.7	0.025	mg/Kg	EPA 8260B	08/01/13 17:10
Total Xylenes	9.3	0.025	mg/Kg	EPA 8260B	08/01/13 17:10
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 01:22
TPH as Gasoline	73	2.5	mg/Kg	EPA 8260B	08/01/13 17:10
Naphthalene	0.70	0.025	mg/Kg	EPA 8260B	08/01/13 17:10
1,2-Dichloroethane-d4 (Surr)	99.7		% Recovery	EPA 8260B	08/01/13 17:10
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	08/01/13 17:10
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	08/01/13 17:10
2-Bromochlorobenzene (Surr)	83.8		% Recovery	EPA 8260B	08/01/13 17:10
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)	3.1	1.0	mg/Kg	M EPA 8015	08/01/13 12:58
Octacosane (Silica Gel Surr)	109		% Recovery	M EPA 8015	08/01/13 12:58

Project Name : **I42705191**

Project Number :

Sample : **SB-1d15**

Matrix : Soil

Lab Number : 85536-04

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.0085	0.0050	mg/Kg	EPA 8260B	08/01/13 15:29
Toluene	0.0072	0.0050	mg/Kg	EPA 8260B	08/01/13 15:29
Ethylbenzene	0.048	0.0050	mg/Kg	EPA 8260B	08/01/13 15:29
Total Xylenes	0.13	0.0050	mg/Kg	EPA 8260B	08/01/13 15:29
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 15:29
TPH as Gasoline	5.0	1.0	mg/Kg	EPA 8260B	08/01/13 15:29
Naphthalene	0.015	0.0050	mg/Kg	EPA 8260B	08/01/13 15:29
1,2-Dichloroethane-d4 (Surr)	99.7		% Recovery	EPA 8260B	08/01/13 15:29
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	08/01/13 15:29
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	08/01/13 15:29
TPH as Diesel (Silica Gel)	3.1	1.0	mg/Kg	M EPA 8015	08/01/13 12:29
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
Octacosane (Silica Gel Surr)	116		% Recovery	M EPA 8015	08/01/13 12:29

Project Name : **I42705191**

Project Number :

Sample : **SB-2d1**

Matrix : Soil

Lab Number : 85536-05

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 00:22
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 00:22
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 00:22
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 00:22
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 00:22
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13 00:22
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 00:22
1,2-Dichloroethane-d4 (Surr)	110		% Recovery	EPA 8260B	07/31/13 00:22
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	07/31/13 00:22
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	07/31/13 00:22
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	10	2.0	mg/Kg	M EPA 8015	08/01/13 10:41
Octacosane (Silica Gel Surr)	117		% Recovery	M EPA 8015	08/01/13 10:41

Project Name : **I42705191**

Project Number :

Sample : **SB-2d3**

Matrix : Soil

Lab Number : 85536-06

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:00
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:00
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:00
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:00
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:00
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13 01:00
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:00
1,2-Dichloroethane-d4 (Surr)	108		% Recovery	EPA 8260B	07/31/13 01:00
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	07/31/13 01:00
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	07/31/13 01:00
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	2.1	1.0	mg/Kg	M EPA 8015	07/31/13 10:04
Octacosane (Silica Gel Surr)	93.5		% Recovery	M EPA 8015	07/31/13 10:04

Project Name : **I42705191**

Project Number :

Sample : **SB-2d5**

Matrix : Soil

Lab Number : 85536-07

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:34
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:34
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:34
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:34
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:34
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13 01:34
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 01:34
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	07/31/13 01:34
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	07/31/13 01:34
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	07/31/13 01:34
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	5.9	1.0	mg/Kg	M EPA 8015	07/31/13 12:45
Octacosane (Silica Gel Surr)	100		% Recovery	M EPA 8015	07/31/13 12:45

Project Name : **I42705191**

Project Number :

Sample : **SB-2d11**

Matrix : Soil

Lab Number : 85536-09

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:08
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:08
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:08
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:08
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:08
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 00:08
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 12:35
1,2-Dichloroethane-d4 (Surr)	115		% Recovery	EPA 8260B	08/01/13 00:08
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	08/01/13 00:08
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	08/01/13 00:08
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/01/13 13:33
Octacosane (Silica Gel Surr)	97.6		% Recovery	M EPA 8015	08/01/13 13:33

Project Name : **I42705191**

Project Number :

Sample : **SB-2d15**

Matrix : Soil

Lab Number : 85536-10

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:00
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:00
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:00
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:00
Methyl-t-butyl ether (MTBE)	0.0059	0.0050	mg/Kg	EPA 8260B	08/01/13 02:00
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 02:00
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:00
1,2-Dichloroethane-d4 (Surr)	110		% Recovery	EPA 8260B	08/01/13 02:00
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	08/01/13 02:00
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	08/01/13 02:00
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/01/13 14:08
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	08/01/13 14:08

Project Name : **I42705191**

Project Number :

Sample : **SB-3d7.5**

Matrix : Soil

Lab Number : 85536-11

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.13	0.050	mg/Kg	EPA 8260B	08/02/13 04:01
Toluene	< 0.050	0.050	mg/Kg	EPA 8260B	08/02/13 04:01
Ethylbenzene	7.5	0.050	mg/Kg	EPA 8260B	08/02/13 04:01
Total Xylenes	30	0.050	mg/Kg	EPA 8260B	08/02/13 04:01
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	mg/Kg	EPA 8260B	08/02/13 04:01
TPH as Gasoline	310	5.0	mg/Kg	EPA 8260B	08/02/13 04:01
Naphthalene	3.3	0.050	mg/Kg	EPA 8260B	08/02/13 04:01
1,2-Dichloroethane-d4 (Surr)	98.4		% Recovery	EPA 8260B	08/02/13 04:01
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	08/02/13 04:01
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	08/02/13 04:01
2-Bromochlorobenzene (Surr)	87.1		% Recovery	EPA 8260B	08/02/13 04:01
TPH as Diesel (Silica Gel)	330	1.0	mg/Kg	M EPA 8015	08/01/13 14:42
(Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)					
Octacosane (Silica Gel Surr)	97.0		% Recovery	M EPA 8015	08/01/13 14:42

Project Name : **I42705191**

Project Number :

Sample : **SB-3d15**

Matrix : Soil

Lab Number : 85536-13

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:36
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:36
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:36
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:36
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:36
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 02:36
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 02:36
1,2-Dichloroethane-d4 (Surr)	112		% Recovery	EPA 8260B	08/01/13 02:36
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	08/01/13 02:36
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	08/01/13 02:36
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/01/13 15:17
Octacosane (Silica Gel Surr)	117		% Recovery	M EPA 8015	08/01/13 15:17

Project Name : **I42705191**

Project Number :

Sample : **SB-4d1**

Matrix : Soil

Lab Number : 85536-14

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13 15:15
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13 15:15
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13 15:15
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13 15:15
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13 15:15
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/30/13 15:15
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13 21:19
1,2-Dichloroethane-d4 (Surr)	114		% Recovery	EPA 8260B	07/30/13 15:15
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	07/30/13 15:15
4-Bromofluorobenzene (Surr)	93.7		% Recovery	EPA 8260B	07/30/13 15:15
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	13	5.0	mg/Kg	M EPA 8015	08/01/13 10:06
Octacosane (Silica Gel Surr)	106		% Recovery	M EPA 8015	08/01/13 10:06

Project Name : **I42705191**

Project Number :

Sample : **SB-4d3**

Matrix : Soil

Lab Number : 85536-15

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:08
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:08
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:08
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:08
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:08
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13 02:08
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:08
1,2-Dichloroethane-d4 (Surr)	110		% Recovery	EPA 8260B	07/31/13 02:08
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	07/31/13 02:08
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	07/31/13 02:08
TPH as Diesel (Silica Gel)	2.6	1.0	mg/Kg	M EPA 8015	07/31/13 13:19
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
Octacosane (Silica Gel Surr)	107		% Recovery	M EPA 8015	07/31/13 13:19

Project Name : **I42705191**

Project Number :

Sample : **SB-4d5**

Matrix : Soil

Lab Number : 85536-16

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:42
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:42
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:42
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:42
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:42
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13 02:42
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 02:42
1,2-Dichloroethane-d4 (Surr)	109		% Recovery	EPA 8260B	07/31/13 02:42
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	07/31/13 02:42
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	07/31/13 02:42
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	4.7	1.0	mg/Kg	M EPA 8015	07/31/13 14:14
Octacosane (Silica Gel Surr)	99.5		% Recovery	M EPA 8015	07/31/13 14:14

Project Name : **I42705191**

Project Number :

Sample : **SB-4d8**

Matrix : Soil

Lab Number : 85536-17

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.50	0.025	mg/Kg	EPA 8260B	08/01/13 04:25
Toluene	0.23	0.025	mg/Kg	EPA 8260B	08/01/13 04:25
Ethylbenzene	160	0.50	mg/Kg	EPA 8260B	08/01/13 16:17
Total Xylenes	130	0.50	mg/Kg	EPA 8260B	08/01/13 16:17
Methyl-t-butyl ether (MTBE)	< 0.025	0.025	mg/Kg	EPA 8260B	08/01/13 04:25
TPH as Gasoline	4600	50	mg/Kg	EPA 8260B	08/01/13 16:17
Naphthalene	40	0.50	mg/Kg	EPA 8260B	08/01/13 16:17
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	08/01/13 16:17
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	08/01/13 16:17
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	08/01/13 16:17
2-Bromochlorobenzene (Surr)	94.2		% Recovery	EPA 8260B	08/01/13 16:17
TPH as Diesel (Silica Gel)	31	1.0	mg/Kg	M EPA 8015	08/01/13 15:53
(Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)					
Octacosane (Silica Gel Surr)	110		% Recovery	M EPA 8015	08/01/13 15:53

Project Name : **I42705191**

Project Number :

Sample : **SB-4d15**

Matrix : Soil

Lab Number : 85536-19

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 03:16
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 03:16
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 03:16
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 03:16
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 03:16
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 03:16
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 03:16
1,2-Dichloroethane-d4 (Surr)	115		% Recovery	EPA 8260B	08/01/13 03:16
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	08/01/13 03:16
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	08/01/13 03:16
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/01/13 16:28
Octacosane (Silica Gel Surr)	120		% Recovery	M EPA 8015	08/01/13 16:28

Project Name : **I42705191**

Project Number :

Sample : **SB-5d6**

Matrix : Soil

Lab Number : 85536-20

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.020	0.0050	mg/Kg	EPA 8260B	08/01/13 03:51
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 03:51
Ethylbenzene	3.4	0.025	mg/Kg	EPA 8260B	08/01/13 16:37
Total Xylenes	1.7	0.025	mg/Kg	EPA 8260B	08/01/13 16:37
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 03:51
TPH as Gasoline	100	2.5	mg/Kg	EPA 8260B	08/01/13 16:37
Naphthalene	3.3	0.025	mg/Kg	EPA 8260B	08/01/13 16:37
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	08/01/13 16:37
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	08/01/13 16:37
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	08/01/13 16:37
2-Bromochlorobenzene (Surr)	84.6		% Recovery	EPA 8260B	08/01/13 16:37
TPH as Diesel (Silica Gel)	52	1.0	mg/Kg	M EPA 8015	08/02/13 14:42
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
Octacosane (Silica Gel Surr)	72.9		% Recovery	M EPA 8015	08/02/13 14:42

Project Name : **I42705191**

Project Number :

Sample : **SB-5d15**

Matrix : Soil

Lab Number : 85536-22

Sample Date :07/25/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:17
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:17
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:17
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:17
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:17
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 11:17
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:17
1,2-Dichloroethane-d4 (Surr)	113		% Recovery	EPA 8260B	08/01/13 11:17
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	08/01/13 11:17
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	08/01/13 11:17
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/01/13 17:02
Octacosane (Silica Gel Surr)	72.3		% Recovery	M EPA 8015	08/01/13 17:02

Project Name : **I42705191**

Project Number :

Sample : **SB-6d6.5**

Matrix : Soil

Lab Number : 85536-23

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.57	0.25	mg/Kg	EPA 8260B	08/01/13 05:40
Toluene	1.1	0.25	mg/Kg	EPA 8260B	08/01/13 05:40
Ethylbenzene	44	0.25	mg/Kg	EPA 8260B	08/01/13 05:40
Total Xylenes	220	0.25	mg/Kg	EPA 8260B	08/01/13 05:40
Methyl-t-butyl ether (MTBE)	< 0.25	0.25	mg/Kg	EPA 8260B	08/01/13 05:40
TPH as Gasoline	1900	25	mg/Kg	EPA 8260B	08/01/13 05:40
Naphthalene	12	0.25	mg/Kg	EPA 8260B	08/01/13 15:43
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	08/01/13 05:40
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	08/01/13 05:40
4-Bromofluorobenzene (Surr)	114		% Recovery	EPA 8260B	08/01/13 05:40
2-Bromochlorobenzene (Surr)	91.5		% Recovery	EPA 8260B	08/01/13 05:40
TPH as Diesel (Silica Gel)	360	1.0	mg/Kg	M EPA 8015	08/02/13 00:32
(Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)					
Octacosane (Silica Gel Surr)	113		% Recovery	M EPA 8015	08/02/13 00:32

Project Name : **I42705191**

Project Number :

Sample : **SB-6d15**

Matrix : Soil

Lab Number : 85536-25

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:55
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:55
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:55
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:55
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:55
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 11:55
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 11:55
1,2-Dichloroethane-d4 (Surr)	113		% Recovery	EPA 8260B	08/01/13 11:55
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	08/01/13 11:55
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	08/01/13 11:55
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/02/13 01:07
Octacosane (Silica Gel Surr)	110		% Recovery	M EPA 8015	08/02/13 01:07

Project Name : **I42705191**

Project Number :

Sample : **SB-7d6**

Matrix : Soil

Lab Number : 85536-26

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.019	0.0050	mg/Kg	EPA 8260B	08/02/13 01:33
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/02/13 01:33
Ethylbenzene	0.13	0.0050	mg/Kg	EPA 8260B	08/02/13 01:33
Total Xylenes	0.012	0.0050	mg/Kg	EPA 8260B	08/02/13 01:33
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/02/13 01:33
TPH as Gasoline	21	1.0	mg/Kg	EPA 8260B	08/02/13 15:11
Naphthalene	0.80	0.0050	mg/Kg	EPA 8260B	08/02/13 15:11
1,2-Dichloroethane-d4 (Surr)	97.9		% Recovery	EPA 8260B	08/02/13 01:33
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	08/02/13 01:33
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	08/02/13 01:33
TPH as Diesel (Silica Gel)	11	1.0	mg/Kg	M EPA 8015	08/01/13 22:11
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
Octacosane (Silica Gel Surr)	76.6		% Recovery	M EPA 8015	08/01/13 22:11

Project Name : **I42705191**

Project Number :

Sample : **SB-7d11**

Matrix : Soil

Lab Number : 85536-27

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.17	0.0050	mg/Kg	EPA 8260B	08/01/13 15:05
Toluene	0.39	0.0050	mg/Kg	EPA 8260B	08/01/13 15:05
Ethylbenzene	1.0	0.025	mg/Kg	EPA 8260B	08/02/13 16:23
Total Xylenes	4.1	0.025	mg/Kg	EPA 8260B	08/02/13 16:23
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 15:05
TPH as Gasoline	57	2.5	mg/Kg	EPA 8260B	08/02/13 16:23
Naphthalene	0.54	0.025	mg/Kg	EPA 8260B	08/02/13 16:23
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	08/01/13 15:05
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	08/01/13 15:05
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	08/02/13 16:23
2-Bromochlorobenzene (Surr)	82.2		% Recovery	EPA 8260B	08/02/13 16:23
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)	17	1.0	mg/Kg	M EPA 8015	08/01/13 23:57
Octacosane (Silica Gel Surr)	104		% Recovery	M EPA 8015	08/01/13 23:57

Project Name : **I42705191**

Project Number :

Sample : **SB-7d13**

Matrix : Soil

Lab Number : 85536-28

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.018	0.0050	mg/Kg	EPA 8260B	08/01/13 13:10
Toluene	0.0086	0.0050	mg/Kg	EPA 8260B	08/01/13 13:10
Ethylbenzene	0.11	0.0050	mg/Kg	EPA 8260B	08/01/13 13:10
Total Xylenes	0.37	0.0050	mg/Kg	EPA 8260B	08/01/13 13:10
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 13:10
TPH as Gasoline	1.8	1.0	mg/Kg	EPA 8260B	08/02/13 15:45
Naphthalene	0.055	0.0050	mg/Kg	EPA 8260B	08/01/13 13:10
1,2-Dichloroethane-d4 (Surr)	112		% Recovery	EPA 8260B	08/01/13 13:10
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	08/01/13 13:10
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	08/01/13 13:10
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)	1.5	1.0	mg/Kg	M EPA 8015	08/01/13 15:00
Octacosane (Silica Gel Surr)	121		% Recovery	M EPA 8015	08/01/13 15:00

Project Name : **I42705191**

Project Number :

Sample : **SB-8d8**

Matrix : Soil

Lab Number : 85536-29

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	mg/Kg	EPA 8260B	08/01/13 16:53
Toluene	< 0.50	0.50	mg/Kg	EPA 8260B	08/01/13 16:53
Ethylbenzene	15	0.50	mg/Kg	EPA 8260B	08/01/13 16:53
Total Xylenes	54	0.50	mg/Kg	EPA 8260B	08/01/13 16:53
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	mg/Kg	EPA 8260B	08/01/13 16:53
TPH as Gasoline	3300	50	mg/Kg	EPA 8260B	08/01/13 16:53
Naphthalene	4.6	0.50	mg/Kg	EPA 8260B	08/01/13 16:53
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	08/01/13 16:53
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	08/01/13 16:53
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	08/01/13 16:53
2-Bromochlorobenzene (Surr)	90.0		% Recovery	EPA 8260B	08/01/13 16:53
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)	900	1.0	mg/Kg	M EPA 8015	08/02/13 15:16
Octacosane (Silica Gel Surr)	108		% Recovery	M EPA 8015	08/02/13 15:16

Project Name : **I42705191**

Project Number :

Sample : **SB-8d11**

Matrix : Soil

Lab Number : 85536-30

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 13:48
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 13:48
Ethylbenzene	0.018	0.0050	mg/Kg	EPA 8260B	08/01/13 13:48
Total Xylenes	0.0075	0.0050	mg/Kg	EPA 8260B	08/01/13 22:33
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 13:48
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 13:48
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 13:48
1,2-Dichloroethane-d4 (Surr)	116		% Recovery	EPA 8260B	08/01/13 13:48
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	08/01/13 13:48
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	08/01/13 13:48
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/02/13 10:36
Octacosane (Silica Gel Surr)	91.5		% Recovery	M EPA 8015	08/02/13 10:36

Project Name : **I42705191**

Project Number :

Sample : **SB-9d6**

Matrix : Soil

Lab Number : 85536-31

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 14:27
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 14:27
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 14:27
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 14:27
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 14:27
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 14:27
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 14:27
1,2-Dichloroethane-d4 (Surr)	108		% Recovery	EPA 8260B	08/01/13 14:27
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	08/01/13 14:27
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	08/01/13 14:27
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are lower-boiling than typical Diesel Fuel.)	5.9	1.0	mg/Kg	M EPA 8015	08/02/13 15:51
Octacosane (Silica Gel Surr)	102		% Recovery	M EPA 8015	08/02/13 15:51

Project Name : **I42705191**

Project Number :

Sample : **SB-9d15**

Matrix : Soil

Lab Number : 85536-33

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 21:10
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 21:10
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 21:10
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 21:10
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 21:10
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13 21:10
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13 21:10
1,2-Dichloroethane-d4 (Surr)	113		% Recovery	EPA 8260B	07/31/13 21:10
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	07/31/13 21:10
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	07/31/13 21:10
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/02/13 16:27
Octacosane (Silica Gel Surr)	115		% Recovery	M EPA 8015	08/02/13 16:27

Project Name : **I42705191**

Project Number :

Sample : **SB-10d8**

Matrix : Soil

Lab Number : 85536-34

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:17
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:17
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:17
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:17
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:17
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 00:17
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:17
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	08/01/13 00:17
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	08/01/13 00:17
4-Bromofluorobenzene (Surr)	99.1		% Recovery	EPA 8260B	08/01/13 00:17
TPH as Diesel (Silica Gel)	1.9	1.0	mg/Kg	M EPA 8015	08/02/13 17:02
Octacosane (Silica Gel Surr)	111		% Recovery	M EPA 8015	08/02/13 17:02

Project Name : **I42705191**

Project Number :

Sample : **SB-10d11**

Matrix : Soil

Lab Number : 85536-35

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:51
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:51
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:51
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:51
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:51
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13 00:51
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13 00:51
1,2-Dichloroethane-d4 (Surr)	110		% Recovery	EPA 8260B	08/01/13 00:51
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	08/01/13 00:51
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	08/01/13 00:51
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/02/13 17:36
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	08/02/13 17:36

QC Report : Method Blank Data

Project Name : **I42705191**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	07/31/13
Octacosane (Silica Gel Surr)	97.4		%	M EPA 8015	07/31/13
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/01/13
Octacosane (Silica Gel Surr)	107		%	M EPA 8015	08/01/13
TPH as Diesel (Silica Gel)	< 1.0	1.0	mg/Kg	M EPA 8015	08/02/13
Octacosane (Silica Gel Surr)	105		%	M EPA 8015	08/02/13
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/30/13
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	07/30/13
Toluene - d8 (Surr)	98.6		%	EPA 8260B	07/30/13
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/30/13
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/30/13
1,2-Dichloroethane-d4 (Surr)	112		%	EPA 8260B	07/30/13
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	07/30/13
Toluene - d8 (Surr)	103		%	EPA 8260B	07/30/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	07/31/13
Toluene - d8 (Surr)	98.0		%	EPA 8260B	07/31/13
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	07/31/13
4-Bromofluorobenzene (Surr)	98.8		%	EPA 8260B	07/31/13
Toluene - d8 (Surr)	102		%	EPA 8260B	07/31/13
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/31/13
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/31/13
1,2-Dichloroethane-d4 (Surr)	107		%	EPA 8260B	07/31/13
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	07/31/13
Toluene - d8 (Surr)	103		%	EPA 8260B	07/31/13

QC Report : Method Blank Data

Project Name : **I42705191**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/01/13
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	08/01/13
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	08/01/13
Toluene - d8 (Surr)	100		%	EPA 8260B	08/01/13
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/01/13
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	08/01/13
Toluene - d8 (Surr)	100		%	EPA 8260B	08/01/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/02/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/02/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/02/13
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/02/13
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	08/02/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42705191**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	85536-14	<0.0050	0.0398	0.0391	0.0368	0.0365	mg/Kg	EPA 8260B	7/30/13	92.3	93.3	1.11	70.0-130	25
Ethylbenzene	85536-14	<0.0050	0.0398	0.0391	0.0366	0.0358	mg/Kg	EPA 8260B	7/30/13	91.9	91.4	0.503	70.0-130	25
Methyl-t-butyl ether	85536-14	<0.0050	0.0397	0.0390	0.0425	0.0421	mg/Kg	EPA 8260B	7/30/13	107	108	0.904	60.0-130	25
Naphthalene	85536-14	<0.0050	0.0398	0.0391	0.0368	0.0335	mg/Kg	EPA 8260B	7/30/13	92.5	85.6	7.71	70.0-130	25
P + M Xylene	85536-14	<0.0050	0.0398	0.0391	0.0367	0.0358	mg/Kg	EPA 8260B	7/30/13	92.1	91.3	0.806	70.0-130	25
Toluene	85536-14	<0.0050	0.0398	0.0391	0.0377	0.0374	mg/Kg	EPA 8260B	7/30/13	94.7	95.6	1.01	70.0-130	25
TPH-D (Si Gel)	85536-06	2.1	19.8	19.8	19.8	19.0	mg/Kg	M EPA 8015	7/31/13	89.1	84.9	4.82	60-140	25
TPH-D (Si Gel)	85536-04	3.1	19.9	19.4	21.1	21.1	mg/Kg	M EPA 8015	8/1/13	90.7	92.7	2.18	60-140	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42705191**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH-D (Si Gel)	85536-30	<1.0	20.0	19.4	18.8	18.6	mg/Kg	M EPA 8015	8/2/13	94.3	96.0	1.84	60-140	25
Benzene	85536-15	<0.0050	0.0398	0.0398	0.0370	0.0365	mg/Kg	EPA 8260B	7/30/13	92.9	91.7	1.24	70.0-130	25
Ethylbenzene	85536-15	<0.0050	0.0398	0.0398	0.0360	0.0348	mg/Kg	EPA 8260B	7/30/13	90.4	87.4	3.34	70.0-130	25
Methyl-t-butyl ether	85536-15	<0.0050	0.0397	0.0396	0.0399	0.0363	mg/Kg	EPA 8260B	7/30/13	100	91.6	9.10	60.0-130	25
P + M Xylene	85536-15	<0.0050	0.0398	0.0398	0.0344	0.0335	mg/Kg	EPA 8260B	7/30/13	86.3	84.2	2.46	70.0-130	25
Toluene	85536-15	<0.0050	0.0398	0.0398	0.0365	0.0351	mg/Kg	EPA 8260B	7/30/13	91.6	88.3	3.70	70.0-130	25
Benzene	85536-14	<0.0050	0.0397	0.0397	0.0279	0.0302	mg/Kg	EPA 8260B	7/31/13	70.2	76.2	8.13	70.0-130	25
Ethylbenzene	85536-14	<0.0050	0.0397	0.0397	0.0263	0.0273	mg/Kg	EPA 8260B	7/31/13	66.3	68.7	3.60	70.0-130	25
Methyl-t-butyl ether	85536-14	<0.0050	0.0396	0.0396	0.0272	0.0286	mg/Kg	EPA 8260B	7/31/13	68.8	72.3	5.08	60.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42705191**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
P + M Xylene														
	85536-14	<0.0050	0.0397	0.0397	0.0250	0.0260	mg/Kg	EPA 8260B	7/31/13	63.0	65.6	4.14	70.0-130	25
Toluene														
	85536-14	<0.0050	0.0397	0.0397	0.0265	0.0283	mg/Kg	EPA 8260B	7/31/13	66.8	71.4	6.64	70.0-130	25
Benzene														
	85557-02	<0.0050	0.0382	0.0395	0.0370	0.0382	mg/Kg	EPA 8260B	7/31/13	96.7	96.7	0.00917	70.0-130	25
Ethylbenzene														
	85557-02	<0.0050	0.0382	0.0395	0.0381	0.0387	mg/Kg	EPA 8260B	7/31/13	99.7	97.9	1.76	70.0-130	25
Methyl-t-butyl ether														
	85557-02	<0.0050	0.0381	0.0394	0.0360	0.0358	mg/Kg	EPA 8260B	7/31/13	94.4	90.9	3.75	60.0-130	25
Naphthalene														
	85557-02	<0.0050	0.0382	0.0395	0.0358	0.0323	mg/Kg	EPA 8260B	7/31/13	93.6	81.8	13.4	70.0-130	25
P + M Xylene														
	85557-02	<0.0050	0.0382	0.0395	0.0372	0.0386	mg/Kg	EPA 8260B	7/31/13	97.2	97.6	0.343	70.0-130	25
Toluene														
	85557-02	<0.0050	0.0382	0.0395	0.0384	0.0394	mg/Kg	EPA 8260B	7/31/13	100	99.6	0.927	70.0-130	25
Benzene														
	85536-33	<0.0050	0.0393	0.0390	0.0327	0.0337	mg/Kg	EPA 8260B	7/31/13	83.2	86.4	3.75	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42705191**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Ethylbenzene	85536-33	<0.0050	0.0393	0.0390	0.0330	0.0342	mg/Kg	EPA 8260B	7/31/13	83.9	87.9	4.57	70.0-130	25
Methyl-t-butyl ether	85536-33	<0.0050	0.0392	0.0389	0.0370	0.0377	mg/Kg	EPA 8260B	7/31/13	94.4	96.9	2.63	60.0-130	25
Naphthalene	85536-33	<0.0050	0.0393	0.0390	0.0342	0.0360	mg/Kg	EPA 8260B	7/31/13	86.9	92.3	6.04	70.0-130	25
P + M Xylene	85536-33	<0.0050	0.0393	0.0390	0.0333	0.0345	mg/Kg	EPA 8260B	7/31/13	84.7	88.5	4.43	70.0-130	25
Toluene	85536-33	<0.0050	0.0393	0.0390	0.0338	0.0346	mg/Kg	EPA 8260B	7/31/13	86.0	88.6	2.98	70.0-130	25
Benzene														
	85536-09	<0.0050	0.0386	0.0390	0.0139	0.0142	mg/Kg	EPA 8260B	8/1/13	36.1	36.6	1.33	70.0-130	25
Ethylbenzene														
	85536-09	<0.0050	0.0386	0.0390	0.0146	0.0146	mg/Kg	EPA 8260B	8/1/13	37.7	37.6	0.430	70.0-130	25
Methyl-t-butyl ether														
	85536-09	<0.0050	0.0385	0.0389	0.0122	0.0136	mg/Kg	EPA 8260B	8/1/13	31.8	35.1	10.1	60.0-130	25
Naphthalene														
	85536-09	<0.0050	0.0386	0.0390	0.0116	0.0107	mg/Kg	EPA 8260B	8/1/13	30.0	27.5	8.82	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42705191**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
P + M Xylene														
Toluene	85536-09	<0.0050	0.0386	0.0390	0.0150	0.0151	mg/Kg	EPA 8260B	8/1/13	38.8	38.6	0.368	70.0-130	25
	85536-09	<0.0050	0.0386	0.0390	0.0143	0.0146	mg/Kg	EPA 8260B	8/1/13	37.1	37.4	0.559	70.0-130	25
Benzene														
Ethylbenzene	85536-30	<0.0050	0.0397	0.0386	0.0278	0.0253	mg/Kg	EPA 8260B	8/1/13	70.2	65.5	6.88	70.0-130	25
	85536-30	0.032	0.0397	0.0386	0.0663	0.0597	mg/Kg	EPA 8260B	8/1/13	85.1	70.3	19.0	70.0-130	25
Methyl-t-butyl ether														
P + M Xylene	85536-30	<0.0050	0.0396	0.0385	0.0237	0.0244	mg/Kg	EPA 8260B	8/1/13	59.8	63.3	5.63	60.0-130	25
Toluene	85536-30	<0.0050	0.0397	0.0386	0.0348	0.0318	mg/Kg	EPA 8260B	8/1/13	87.6	82.4	6.11	70.0-130	25
	85536-30	<0.0050	0.0397	0.0386	0.0280	0.0255	mg/Kg	EPA 8260B	8/1/13	70.5	66.0	6.53	70.0-130	25
Ethylbenzene														
	85536-16	<0.0050	0.0387	0.0388	0.0310	0.0303	mg/Kg	EPA 8260B	8/2/13	80.1	78.1	2.49	70.0-130	25
Naphthalene	85536-16	<0.0050	0.0387	0.0388	0.0230	0.0225	mg/Kg	EPA 8260B	8/2/13	59.4	57.8	2.72	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42705191**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
P + M Xylene	85536-16	<0.0050	0.0387	0.0388	0.0304	0.0295	mg/Kg	EPA 8260B	8/2/13	78.5	76.0	3.28	70.0-130	25

QC Report : Laboratory Control Sample (LCS)

Project Name : **I42705191**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH-D (Si Gel)	20.0	mg/Kg	M EPA 8015	7/31/13	91.8	70-130
TPH-D (Si Gel)	20.0	mg/Kg	M EPA 8015	8/1/13	101	70-130
TPH-D (Si Gel)	20.0	mg/Kg	M EPA 8015	8/2/13	92.4	70-130
Benzene	0.0399	mg/Kg	EPA 8260B	7/30/13	90.9	70.0-130
Ethylbenzene	0.0399	mg/Kg	EPA 8260B	7/30/13	90.1	70.0-130
Methyl-t-butyl ether	0.0398	mg/Kg	EPA 8260B	7/30/13	88.4	60.0-130
P + M Xylene	0.0399	mg/Kg	EPA 8260B	7/30/13	87.1	70.0-130
Toluene	0.0399	mg/Kg	EPA 8260B	7/30/13	89.6	70.0-130
Benzene	0.0388	mg/Kg	EPA 8260B	7/30/13	95.8	70.0-130
Ethylbenzene	0.0388	mg/Kg	EPA 8260B	7/30/13	96.5	70.0-130
Methyl-t-butyl ether	0.0387	mg/Kg	EPA 8260B	7/30/13	105	60.0-130
Naphthalene	0.0388	mg/Kg	EPA 8260B	7/30/13	93.4	70.0-130
P + M Xylene	0.0388	mg/Kg	EPA 8260B	7/30/13	97.0	70.0-130
Toluene	0.0388	mg/Kg	EPA 8260B	7/30/13	99.5	70.0-130
Benzene	0.0393	mg/Kg	EPA 8260B	7/31/13	94.7	70.0-130
Ethylbenzene	0.0393	mg/Kg	EPA 8260B	7/31/13	96.0	70.0-130

QC Report : Laboratory Control Sample (LCS)

Project Name : **I42705191**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Methyl-t-butyl ether	0.0392	mg/Kg	EPA 8260B	7/31/13	83.4	60.0-130
P + M Xylene	0.0393	mg/Kg	EPA 8260B	7/31/13	92.7	70.0-130
Toluene	0.0393	mg/Kg	EPA 8260B	7/31/13	93.4	70.0-130
Benzene	0.0385	mg/Kg	EPA 8260B	7/31/13	96.8	70.0-130
Ethylbenzene	0.0385	mg/Kg	EPA 8260B	7/31/13	99.1	70.0-130
Methyl-t-butyl ether	0.0384	mg/Kg	EPA 8260B	7/31/13	89.7	60.0-130
Naphthalene	0.0385	mg/Kg	EPA 8260B	7/31/13	91.0	70.0-130
P + M Xylene	0.0385	mg/Kg	EPA 8260B	7/31/13	97.1	70.0-130
Toluene	0.0385	mg/Kg	EPA 8260B	7/31/13	102	70.0-130
Benzene	0.0388	mg/Kg	EPA 8260B	7/31/13	94.2	70.0-130
Ethylbenzene	0.0388	mg/Kg	EPA 8260B	7/31/13	94.1	70.0-130
Methyl-t-butyl ether	0.0386	mg/Kg	EPA 8260B	7/31/13	104	60.0-130
Naphthalene	0.0388	mg/Kg	EPA 8260B	7/31/13	88.8	70.0-130
P + M Xylene	0.0388	mg/Kg	EPA 8260B	7/31/13	95.1	70.0-130
Toluene	0.0388	mg/Kg	EPA 8260B	7/31/13	98.2	70.0-130
Benzene	0.0397	mg/Kg	EPA 8260B	8/1/13	89.3	70.0-130
Ethylbenzene	0.0397	mg/Kg	EPA 8260B	8/1/13	93.5	70.0-130
Methyl-t-butyl ether	0.0396	mg/Kg	EPA 8260B	8/1/13	82.5	60.0-130
Naphthalene	0.0397	mg/Kg	EPA 8260B	8/1/13	92.7	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **I42705191**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
P + M Xylene	0.0397	mg/Kg	EPA 8260B	8/1/13	93.0	70.0-130
Toluene	0.0397	mg/Kg	EPA 8260B	8/1/13	90.5	70.0-130
Benzene	0.0399	mg/Kg	EPA 8260B	8/1/13	85.3	70.0-130
Ethylbenzene	0.0399	mg/Kg	EPA 8260B	8/1/13	90.0	70.0-130
Methyl-t-butyl ether	0.0398	mg/Kg	EPA 8260B	8/1/13	77.1	60.0-130
P + M Xylene	0.0399	mg/Kg	EPA 8260B	8/1/13	88.2	70.0-130
Toluene	0.0399	mg/Kg	EPA 8260B	8/1/13	85.9	70.0-130
Ethylbenzene	0.0398	mg/Kg	EPA 8260B	8/2/13	94.1	70.0-130
Naphthalene	0.0398	mg/Kg	EPA 8260B	8/2/13	93.6	70.0-130
P + M Xylene	0.0398	mg/Kg	EPA 8260B	8/2/13	92.1	70.0-130



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 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

85536

Page 1 of 3

Project Contact (Hardcopy or PDF To): Dennis Dettloff		California EDF Report? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request														
Company / Address: Antea Group 11050 White Rock Road, Suite 110 Rancho Cordova, CA 95670		Sampling Company Log Code:		Analysis Request								TAT		For Lab Use Only				
Phone #: (916) 503-1261		Fax #:		Global ID: T0602101476		EPA 8260B TPH-g, BTEX, MTBE, naphthalene		EPA 8015M TPHd - Silica Gel				<input type="checkbox"/> 12 hr <input type="checkbox"/> 24 hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72 hr <input checked="" type="checkbox"/> 1 wk						
Project #: Cummins2 0002		P.O. #:		EDF Deliverable To (Email Address): dennis.dettloff@anteagroup.com jonathan.fillingame@anteagroup.com		Sampler Signature: <i>Jonathan Fillingame</i>												
Project Name: I42705191 0004		Project Address: 449 Hegenberger Road, Oakland, CA		Sampling		Container		Preservative		Matrix								
Sample Designation	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil					
SB-1d5.5	SB-1	7/25	9:35															01
SB-1d11	SB-1	7/25	9:48															02
SB-1d12	SB-1	7/25	9:42															03
SB-1d15	SB-1	7/25	9:45															04
SB-2d1	SB-2	7/25	10:25											X	X			05
SB-2d3	SB-2	7/25	10:30											X	X			06
SB-2d5	SB-2	7/25	10:55											X	X			07
SB-2d7.5	SB-2	7/25	11:00															08
SB-2d11	SB-2	7/25	11:09															09
SB-2d15	SB-2	7/25	11:08															10
SB-3d7.5	SB-3	7/25	13:10															11
SB-3d11	SB-3	7/25	13:12															12
Relinquished by: <i>Jonathan Fillingame</i>		Date: 7/26/13	Time: 17:00	Received by: _____		Samples not marked for analysis are on hold.												
Relinquished by: _____		Date: _____	Time: _____	Received by: _____														
Relinquished by: _____		Date: 07/26/13	Time: 17:09	Received by Laboratory: <i>W. J. Fillingame</i>														
For Lab Use Only: Sample Receipt																		
Temp °C	Initials	Date	Time	Term. ID	Coolant Present													
					Yes / No													

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 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

85536

Page 2 of 2

Project Contact (Hardcopy or PDF To): **Dennis Dettloff** California EDF Report? Yes No

Company / Address: Antea Group
 11050 White Rock Road, Suite 110
 Rancho Cordova, CA 95670

Phone #: (916) 503-1261 Fax #: Global ID: **T0600101476**

Project #: Cummins2 0002 P.O. #: EDF Deliverable To (Email Address):
 dennis.dettloff@anteagroup.com
 jonathan.fillingame@anteagroup.com

Project Name: I42705191 0004 Sampler Signature: *Jonathan Fillingame*

Project Address: 449 Hegenberger Road, Oakland, CA

Sampling Container Preservative Matrix

Sample Designation	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative			Water	Soil	EPA 8260B TPH-g, BTEX, MTBE, naphthalene	EPA 8015M TPHd - Silica Gel	hold	TAT	For Lab Use Only
									HCl	HNO ₃	None							
SB-3d 15	SB-3	7/25	13:14															13
SB-4 d 1	SB-4	7/25	14:00															14
SB-4d 3	SB-4	7/25	14:05															15
SB-4d 5	SB-4	7/25	14:10															16
SB-4d 8	SB-4	7/25	14:10															17
SB-4d 11	SB-4	7/25	14:15															18
SB-4d 15	SB-4	7/25	14:20															19
SB-5d 6	SB-5	7/25	15:05															20
SB-5d 11	SB-5	7/25	15:08															21
SB-5d 15	SB-5	7/25	15:10															22
SB-6d 6.5	SB-6	7/26	8:00															23
SB-6d 11	SB-6	7/26	8:02															24

Relinquished by: *Jonathan Fillingame* Date: 7/26/15 Time: 17:00 Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: 072613 Time: 17:19 Received by Laboratory: *ES with Analyst*

For Lab Use Only: Sample Receipt						
Temp °C	Initials	Date	Time	Term. ID	Coolant Present	
					Yes / No	



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 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

85536

Page 3 of 4

Project Contact (Hardcopy or PDF To): Dennis Dettloff		California EDF Report? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request														
Company / Address: Antea Group 11050 White Rock Road, Suite 110 Rancho Cordova, CA 95670		Sampling Company Log Code:		Analysis Request										TAT	For Lab Use Only			
Phone #: (916) 503-1261	Fax #:	Global ID: 70600101476												<input type="checkbox"/> 12 hr				
Project #: Cummins2 0002	P.O. #:	EDF Deliverable To (Email Address): dennis.dettloff@anteagroup.com jonathan.fillingame@anteagroup.com												<input type="checkbox"/> 24 hr				
Project Name: I42705191 0004		Sampler Signature: <i>Jonathan Fillingame</i>												<input type="checkbox"/> 48hr				
Project Address: 449 Hegenberger Road Oakland, CA		Sampling	Container	Preservative	Matrix											<input type="checkbox"/> 72 hr		
Sample Designation	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	EPA 8260B TPHg, BTEX, MTBE, naphthalene		EPA 8015M TPHd - Silica Gel	hold	<input checked="" type="checkbox"/> 1 wk
SB-6d.15	SB-6	7/26	8:05															25
SB-7d.6	SB-7	7/26	8:58															26
SB-7d.11	SB-7	7/26	9:03															27
SB-7d.13	SB-7	7/26	9:02															28
SB-8d.8	SB-8	7/26	9:50														29	
SB-8d.11	SB-8	7/26	9:53														30	
SB-9d.6	SB-9	7/26	11:10														31	
SB-9d.9	SB-9	7/26	10:45														32	
SB-9d.15	SB-9	7/26	10:47														33	
SB-10d.8	SB-10	7/26	11:58														34	
SB-10d.11	SB-10	7/26	12:00														35	
Relinquished by: <i>Jonathan Fillingame</i>		Date: 7/26/15	Time: 17:00	Received by: _____														
Relinquished by: _____		Date: _____	Time: _____	Received by: _____														
Relinquished by: _____		Date: 07/26/15	Time: 1709	Received by laboratory: <i>E. J. ... Analytical</i>		For Lab Use Only: Sample Receipt												
Temp °C	Initials	Date	Time	Term. ID	Coolant Present													
					Yes / No													



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 Fax: 530.297.4802

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10/17/13

Project Contact (Hardcopy or PDF To): Dennis Dettloff		California EDF Report? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request													
Company / Address: Antea Group 11050 White Rock Road, Suite 110 Rancho Cordova, CA 95670		Sampling Company Log Code:		Analysis Request										TAT	For Lab Use Only		
Phone #: (916) 503-1261	Fax #:	Global ID: T0600101476												<input type="checkbox"/> 12 hr			
Project #: Gummine2-0002 I42705191	P.O. #:	EDF Deliverable To (Email Address): dennis.dettloff@anteagroup.com jonathan.fillingame@anteagroup.com												<input type="checkbox"/> 24 hr			
Project Name: I42705191 0004		Sampler Signature: <i>Jonathan Fillingame</i>												<input type="checkbox"/> 48 hr			
Project Address: 449 Hegenberger Road Oakland, CA		Sampling	Container	Preservative	Matrix											<input type="checkbox"/> 72 hr	
Sample Designation	Field Point Name	Date	Time	40 ml VOA	Sieve	Fo /	Glass	Teklar	HC	HN ₂	None	Water	Sol	EP, 8260B TPHg, Btex, MTBE, napthalene	EP, 8015M TPHd - Silica Gel	<input checked="" type="checkbox"/> 1 wk	
SB-1d5.5	SB-1	7/25	9:35											X	X	01	
SB-1d11	SB-1	7/25	9:40											X	X	02	
SB-1d12	SB-1	7/25	9:42											X	X	03	
SB-1d15	SB-1	7/25	9:45											X	X	04	
SB-2A1	SB-2	7/25	10:25											X	X	05	
SB-2A3	SB-2	7/25	10:30											X	X	06	
SB-2A5	SB-2	7/25	10:55											X	X	07	
SB-2d7.9	SB-2	7/25	11:00													08	
SB-2d11	SB-2	7/25	11:04											X	X	09	
SB-2d15	SB-2	7/25	11:08											X	X	10	
SB-3d7.9	SB-3	7/25	13:10											X	X	11	
SB-3d11	SB-3	7/25	13:12											X	X	12	
Relinquished by: <i>Jonathan Fillingame</i>		Date: 7/26/13	Time: 17:00	Received by:		Samples not marked for analysis are on hold.											
Relinquished by:		Date:	Time:	Received by:													
Relinquished by:		Date:	Time:	Received by Laboratory:													
		Date: 07/26/13	Time: 17:00	<i>Jonathan Fillingame</i>		For Lab Use Only: Sample Receipt											
		Temp °C	Initials	Date	Time	term. ID	Coolant Present										
							Yes / No										



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 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No. _____

Project Contact (Hardcopy or PDF To): Dennis Dettloff		California EDF Report? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request														
Company / Address: Antea Group 11050 White Rock Road, Suite 110 Rancho Cordova, CA 95670		Sampling Company Log Code:		Analysis Request										TAT				
Phone #: (916) 503-1261	Fax #:	Global ID: <u>T0600101476</u>		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>EDF Deliverable To (Email Address): dennis.dettloff@anteagroup.com jonathan.fillingame@anteagroup.com</p> <p>Sampler Signature: <i>Jonathan Fillingame</i></p> </div> <div style="width: 45%; text-align: center;"> <p>EP, 8260B TPHg, Btex, MTBE, naphthalene</p> <p>EP, 8015M TPHd - Silica Gel</p> <p><u>hold</u></p> </div> </div>										<input type="checkbox"/> 12 hr <input type="checkbox"/> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 72 hr <input checked="" type="checkbox"/> 1 wk	For Lab Use Only			
Project #: <u>Cummins2-0002</u> <u>I42705191</u>	P.O. #:	EDF Deliverable To (Email Address):																
Project Name: I42705191 0004	Sampler Signature:																	
Project Address: 449 Hegenberger Road Oakland, CA	Sampling	Container	Preservative											Matrix				
Sample Designation	Field Point Name	Date	Time	40 ml VOA	Sieve	Pol	Glass	Teclar	HC	HN ₂	Noise	Water	Soil	Matrix	EP, 8260B TPHg, Btex, MTBE, naphthalene	EP, 8015M TPHd - Silica Gel	TAT	For Lab Use Only
SB-3d 15	SB-3	7/25	13:14												X	X		13
SB-4d 1	SB-4	7/25	14:00												X	X		14
SB-4d 3	SB-4	7/25	14:05												X	X		15
SB-4d 5	SB-4	7/25	14:10												X	X		16
SB-4d 8	SB-4	7/25	14:10												X	X		17
SB-4d 11	SB-4	7/25	14:15												X	X		18
SB-4d 15	SB-4	7/25	14:20												X	X		19
SB-5d 6	SB-5	7/25	15:05												X	X		20
SB-5d 11	SB-5	7/25	15:08												X	X		21
SB-5d 15	SB-5	7/25	15:10												X	X		22
SB-6d 6.5	SB-6	7/26	8:00												X	X		23
SB-6d 11	SB-6	7/26	8:02												X	X		24
Relinquished by: <i>Jonathan Fillingame</i>		Date: <u>7/25/13</u>	Time: <u>17:00</u>	Received by: _____														
Relinquished by: _____		Date: _____	Time: _____	Received by: _____														
Relinquished by: _____		Date: <u>072613</u>	Time: <u>17:09</u>	Received by Laboratory: <i>[Signature]</i>														
For Lab Use Only: Sample Receipt																		
Temp °C	Initials	Date	Time	hem. ID	Coolant Present													
					Yes / No													

Project Contact (Hardcopy or PDF To): Dennis Dettloff
 Company / Address: Antea Group
 11050 White Rock Road, Suite 110
 Rancho Cordova, CA 95670

California EDF Report? Yes No

Sampling Company Log Code: _____

Analysis Request

Phone #: (916) 503-1261 Fax #: _____ Global ID: 70600101476

Project #: Cummins2-0002 P.O. #: _____
142705191

EDF Deliverable To (Email Address):
dennis.dettloff@anteagroup.com
jonathan.fillingame@anteagroup.com

Project Name: I42705191 0004 Sampler Signature: Jonathan Fillingame

Project Address: 449 Hegenberger Road
Oakland, CA

Sample Designation	Field Point Name	Date	Time	Sampling				Preservative						Water	Sp.	Matrix	EP 1.8260B TPHg, Blex, MTBE, naphthalene	EP 1.8015M TPHd - Silica Gel	TAT	For Lab Use Only	
				40 ml VOA	Sik-ave	Po y	Gl-ss	Te-lar	HC	HF ₂ O ₃	No te										
<u>SB-6d.15</u>	<u>SB-6</u>	<u>7/26</u>	<u>8:05</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-7d.6</u>	<u>SB-7</u>	<u>7/26</u>	<u>8:58</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-7d.11</u>	<u>SB-7</u>	<u>7/26</u>	<u>9:03</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-7d.13</u>	<u>SB-7</u>	<u>7/26</u>	<u>9:02</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-8d.8</u>	<u>SB-8</u>	<u>7/26</u>	<u>9:50</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-8d.11</u>	<u>SB-8</u>	<u>7/26</u>	<u>9:53</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-9d.6</u>	<u>SB-9</u>	<u>7/26</u>	<u>11:10</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-9d.9</u>	<u>SB-9</u>	<u>7/26</u>	<u>10:45</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-9d.15</u>	<u>SB-9</u>	<u>7/26</u>	<u>10:47</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-10d.8</u>	<u>SB-10</u>	<u>7/26</u>	<u>11:58</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>SB-10d.11</u>	<u>SB-10</u>	<u>7/26</u>	<u>12:00</u>															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Relinquished by:	<u>Jonathan Fillingame</u>	Date:	<u>7/26/13</u>	Time:	<u>17:00</u>	Received by:															
Relinquished by:	_____	Date:	_____	Time:	_____	Received by:															
Relinquished by:	_____	Date:	<u>07/26/13</u>	Time:	<u>17:09</u>	Received by Laboratory:	<u>[Signature]</u>														

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	term. ID	Coolant Present
					Yes / No

SAMPLE RECEIPT CHECKLIST

SRG #: 85536

Sample Receipt	Initials/Date: <i>TJB 072013</i>	Storage Time: <i>1709</i>	Sample Login	Initials/Date: <i>TJB 072013</i>
TAT: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush <input type="checkbox"/> Split <input type="checkbox"/> None		Method of Receipt: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Over-the-counter <input type="checkbox"/> Shipped		
Temp °C <i>6.4</i> <input type="checkbox"/> N/A	Therm ID <i>R-3</i>	Time <i>1700</i>	Coolant present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Water <input type="checkbox"/> Temp Excursion
For Shipments Only: Cooler Receipt Initials/Date/Time:		Custody Seals <input type="checkbox"/> N/A <input type="checkbox"/> Intact <input type="checkbox"/> Broken		

Chain-of-Custody:	Yes	No
Is COC present?	/	
Is COC signed by relinquisher?	/	
Is COC dated by relinquisher?	/	
Is the sampler's name on the COC?	/	
Are there analyses or hold for all samples?		/

Documented on	COC	Labels	Discrepancies:
Sample ID	X	X	<i>5191 on most labels</i>
Project ID	X	X	
Sample Date	X	X	
Sample Time	X	X	<i>Sample - 27 has 8:00 on the container.</i>
Does COC match project history?		<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No

Samples:	N/A	Yes	No
Are sample custody seals intact?	/		
Are sample containers intact?		/	
Is preservation documented?	/		
In-house Analysis:	N/A	Yes	No
Are preservatives acceptable?	/		
Are samples within holding time?		/	
Are sample container types correct?		/	
Is there adequate sample volume?		/	

Comments:

Receipt Details:

Matrix	Container Type	# of Containers
<i>So</i>	<i>sleeve</i>	<i>35</i>

CS Required:

Proceed With Analysis: <input type="checkbox"/> YES <input type="checkbox"/> NO	Init/Date:
Client Communication:	

Is the Data Valid?
(circle)
Yes / No

Preservation Temperature
(if Known): 5.4 °C

Antea Group Lab Validation Sheet

Project/Client: COP/ELT

Project #: I42705191

Date of Validation: 12/2/13 Date of Analysis: 8/1/13 Sample Date: 7/25/13

Completed By: Jon E. Signature: *Jonathan F. Williams*

Analytical Lab Used and Report # (if any): Kiff Analytical LLC 85536

Circle or
Highlight
Yes/No
below

1. Was the analysis the one requested?

Yes / No

2. Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet?

Yes / No

3. Were samples prepared (extracted, filtered, etc.) within EPA holding times?

Yes / No

4. Once prepared/extracted, were the samples analyzed within the EPA holding times?

Yes / No

5. Were Laboratory blanks performed, if so, were they below non-detect?

Yes / No

6. Are the units correct? (i.e., soil samples in mg/kg or ug/g, water samples mg/L, ug/L, and air samples in volume mg/m³, etc.)

Yes / No

7. Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample?

Yes / No

8. In lieu of MS/ MSD, were surrogate spike (SS) or surrogate spike duplicate (SSD) samples included in the laboratory batch samples?

Yes / No

N/a

9. Were MS/ MSD (or SS/SSD) within the acceptable range of % recovery (i.e., approx 80-120% depending on analyte)?

Yes / No

10. Were MS/MSD (or SS/SSD) values used to calculate Relative Percent Difference (RPD)?

Yes / No

11. Were Relative Percent Difference values within the acceptable range (i.e. ± 25%)?

Yes / No

If any answer is no, explain why and what corrective action was taken:

9. MS/MSD results associated with sample SB-2d11 for the analytes Ethylbenzene, P+M Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

MS/MSD results associated with sample SB-7d6 for the analytes Benzene, MTBE, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

MS/MSD results associated with sample SB-7d6 for the analyte Naphtalene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

MS/MSD results associated with sample SB-1d5.5, SB-1d11, SB-1d15, SB-3d7.5, SB-5d6, and SB-2d11 for the analytes Benzene, Ethylbenzene, MTBE, Naphtalene, P+M Xylene, and Toluene were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.



Laboratory Results

Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Subject : 1 Soil Sample and 1 Water Sample
Project Name : I42705191
Project Number :

Dear Mr. Dettloff,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy Turpen

Subject : 1 Soil Sample and 1 Water Sample
Project Name : I42705191
Project Number :

Case Narrative

All soil samples were reported on a total weight (wet weight) basis.

Matrix Spike/Matrix Spike Duplicate results associated with sample Waste Water for the analyte Benzene were affected by the analyte concentrations already present in the un-spiked sample.



Report Number : 85535

Date : 08/01/13

Analysis Summary

Attention : Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Project Name :I42705191

Project Number :

Sample Name			Waste Soil	
Sample Date			07/26/13	
Analyte	Method	Units	MRL	Results
Lead	EPA 6010B	mg/Kg	0.50	5.8
Benzene	EPA 8260B	mg/Kg	0.0050	ND
Ethylbenzene	EPA 8260B	mg/Kg	0.0050	ND
Toluene	EPA 8260B	mg/Kg	0.0050	ND
Total Xylenes	EPA 8260B	mg/Kg	0.0050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.0050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	1.0	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		103
Toluene - d8 (Surr)	EPA 8260B	%		98.8

MRL = Method Reporting Limit

ND = Not Detected



Analysis Summary

Report Number : 85535

Date : 08/01/13

Attention : Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Project Name : I42705191

Project Number :

Sample Name			Waste Water	
Sample Date			07/26/13	
Analyte	Method	Units	MRL	Results
Lead	EPA 6010B	mg/L	0.0050	0.0052
Benzene	EPA 8260B	ug/L	9.0	ND
Ethylbenzene	EPA 8260B	ug/L	9.0	72
Toluene	EPA 8260B	ug/L	9.0	64
Total Xylenes	EPA 8260B	ug/L	9.0	320
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	9.0	ND
TPH as Gasoline	EPA 8260B	ug/L	900	6200
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		100
Toluene - d8 (Surr)	EPA 8260B	%		103

MRL = Method Reporting Limit

ND = Not Detected

Project Name : **I42705191**

Project Number :

Sample : **Waste Soil**

Matrix : Soil

Lab Number : 85535-01

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Lead	5.8	0.50	mg/Kg	EPA 6010B	07/30/13 14:41
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13 21:55
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13 21:55
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13 21:55
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13 21:55
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13 21:55
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/29/13 21:55
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	07/29/13 21:55
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	07/29/13 21:55

Project Name : **I42705191**

Project Number :

Sample : **Waste Water**

Matrix : Water

Lab Number : 85535-02

Sample Date :07/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Lead	0.0052	0.0050	mg/L	EPA 6010B	07/31/13 11:50
Benzene	< 9.0	9.0	ug/L	EPA 8260B	07/30/13 09:59
Toluene	64	9.0	ug/L	EPA 8260B	07/30/13 09:59
Ethylbenzene	72	9.0	ug/L	EPA 8260B	07/30/13 09:59
Total Xylenes	320	9.0	ug/L	EPA 8260B	07/30/13 09:59
Methyl-t-butyl ether (MTBE)	< 9.0	9.0	ug/L	EPA 8260B	07/30/13 09:59
TPH as Gasoline	6200	900	ug/L	EPA 8260B	07/30/13 09:59
(Note: Primarily compounds not found in typical Gasoline)					
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	07/30/13 09:59
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	07/30/13 09:59

Report Number : 85535

Date : 08/01/13

QC Report : Method Blank Data

Project Name : **142705191**

Project Number :

Parameter	Measured Value	Method Reporting		Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting		Analysis Method	Date Analyzed
		Limit	Units					Limit	Units		
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	07/30/13						
Lead	< 0.0050	0.0050	mg/L	EPA 6010B	07/30/13						
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13						
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13						
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13						
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13						
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	07/29/13						
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	07/29/13						
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	07/29/13						
Toluene - d8 (Surr)	99.3		%	EPA 8260B	07/29/13						
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/29/13						
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/29/13						
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/29/13						
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/29/13						
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/29/13						
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/29/13						
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	07/29/13						
Toluene - d8 (Surr)	103		%	EPA 8260B	07/29/13						

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42705191**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Lead	85535-01	5.8	46.3	46.3	48.6	48.0	mg/Kg	EPA 6010B	7/30/13	92.5	91.1	1.37	75-125	20
Lead	85485-01	0.0071	0.400	0.400	0.385	0.376	mg/L	EPA 6010B	7/30/13	94.5	92.2	2.42	75-125	20
Benzene	85535-01	<0.0050	0.0394	0.0397	0.0387	0.0383	mg/Kg	EPA 8260B	7/29/13	98.4	96.6	1.79	70.0-130	25
Ethylbenzene	85535-01	<0.0050	0.0394	0.0397	0.0365	0.0364	mg/Kg	EPA 8260B	7/29/13	92.6	91.6	1.09	70.0-130	25
Methyl-t-butyl ether	85535-01	<0.0050	0.0392	0.0396	0.0381	0.0427	mg/Kg	EPA 8260B	7/29/13	97.1	108	10.7	60.0-130	25
P + M Xylene	85535-01	<0.0050	0.0394	0.0397	0.0352	0.0349	mg/Kg	EPA 8260B	7/29/13	89.4	87.9	1.74	70.0-130	25
Toluene	85535-01	<0.0050	0.0394	0.0397	0.0372	0.0370	mg/Kg	EPA 8260B	7/29/13	94.5	93.2	1.32	70.0-130	25
Benzene	85532-01	190	39.8	39.8	221	216	ug/L	EPA 8260B	7/30/13	75.4	60.8	21.5	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **I42705191**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Ethylbenzene	85532-01	11	39.8	39.8	50.4	50.2	ug/L	EPA 8260B	7/30/13	99.7	99.2	0.438	70.0-130	25
Methyl-t-butyl ether	85532-01	42	39.7	39.7	84.0	85.1	ug/L	EPA 8260B	7/30/13	107	109	2.52	70.0-130	25
P + M Xylene	85532-01	21	39.8	39.8	60.5	59.8	ug/L	EPA 8260B	7/30/13	100	98.3	1.78	70.0-130	25
Toluene	85532-01	5.0	39.8	39.8	44.8	45.0	ug/L	EPA 8260B	7/30/13	100	100	0.401	70.0-130	25

QC Report : Laboratory Control Sample (LCS)

Project Name : **I42705191**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Lead	50.0	mg/Kg	EPA 6010B	7/30/13	97.9	85-115
Lead	0.400	mg/L	EPA 6010B	7/30/13	100	85-115
Benzene	0.0399	mg/Kg	EPA 8260B	7/29/13	97.8	70.0-130
Ethylbenzene	0.0399	mg/Kg	EPA 8260B	7/29/13	101	70.0-130
Methyl-t-butyl ether	0.0398	mg/Kg	EPA 8260B	7/29/13	102	60.0-130
P + M Xylene	0.0399	mg/Kg	EPA 8260B	7/29/13	96.9	70.0-130
Toluene	0.0399	mg/Kg	EPA 8260B	7/29/13	98.1	70.0-130
Benzene	40.0	ug/L	EPA 8260B	7/29/13	98.9	70.0-130
Ethylbenzene	40.0	ug/L	EPA 8260B	7/29/13	104	70.0-130
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	7/29/13	113	70.0-130
P + M Xylene	40.0	ug/L	EPA 8260B	7/29/13	105	70.0-130
Toluene	40.0	ug/L	EPA 8260B	7/29/13	103	70.0-130



2795 2nd Street Suite 300
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No.

85535

Page 1 of 1

Project Contact (Hardcopy or PDF To): Dennis Dettloff		California EDF Report? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request											
Company / Address: Antea Group 11050 White Rock Road, Suite 110 Rancho Cordova, CA 95670		Sampling Company Log Code:		Analysis Request								TAT		For Lab Use Only	
Phone #: (916) 503-1261	Fax #:	Global ID: <u>T0520101476</u>		EPA 8260B TPHg, BTEX, MTBE, naphthalene	EPA 8015M TPHd - Silica Gel	7	85535 TPHg BTEX MTBE	85535 Total Lead	<input type="checkbox"/> 12 hr	<input type="checkbox"/> 24 hr	<input type="checkbox"/> 48hr	<input type="checkbox"/> 72 hr			
Project #: Cummins2 0002	P.O. #:	EDF Deliverable To (Email Address): dennis.dettloff@anteagroup.com jonathan.fillingame@anteagroup.com							<input checked="" type="checkbox"/> TWK						
Project Name: I42705191 0004		Sampler Signature: <i>Jonathan Fillingame</i>													
Project Address: 449 Hegenberger Road Oakland, CA		Sampling													
				Container		Preservative		Matrix							
				40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil		
Sample Designation	Field Point Name	Date	Time												
Waste Soil		7/26/13	12:30	X							X				01
Waste Water		7/26/13	13:40	X	X				X	X		X			02
Relinquished by: <i>Jonathan Fillingame</i>		Date	Time	Received by:											
		7/26/13	17:00												
Relinquished by:		Date	Time	Received by:											
Relinquished by:		Date	Time	Received by Laboratory:		For Lab Use Only: Sample Receipt									
		07/26/13	17:09	<i>with Analytical</i>		Temp °C	Initials	Date	Time	hem. ID	Coolant Present				
											Yes / No				

SAMPLE RECEIPT CHECKLIST

SRG #: 85535

Sample Receipt	Initials/Date: EA 072613	Storage Time: 1709	Sample Login	Initials/Date: EA 072613
TAT: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush <input type="checkbox"/> Split <input type="checkbox"/> None		Method of Receipt: <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Over-the-counter <input type="checkbox"/> Shipped		
Temp °C 5.4 <input type="checkbox"/> N/A	Therm ID 1R-3	Time 1700	Coolant present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Water <input type="checkbox"/> Temp Excursion
For Shipments Only:	Cooler Receipt Initials/Date/Time:	Custody Seals <input type="checkbox"/> N/A <input type="checkbox"/> Intact <input type="checkbox"/> Broken		

Chain-of-Custody:	Yes	No
Is COC present?	/	
Is COC signed by relinquisher?	/	
Is COC dated by relinquisher?	/	
Is the sampler's name on the COC?	/	
Are there analyses or hold for all samples?	/	

Documented on	COC	Labels	Discrepancies:
Sample ID	/	/	
Project ID	/		
Sample Date	/	/	
Sample Time	/	/	
Does COC match project history?			<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No

Samples:	N/A	Yes	No
Are sample custody seals intact?	/		
Are sample containers intact?		/	
Is preservation documented?		/	
In-house Analysis:	N/A	Yes	No
Are preservatives acceptable?		/	
Are samples within holding time?		/	
Are sample container types correct?		/	
Is there adequate sample volume?		/	

Comments: The COC has a date of 7/2/13 and Lead by 6010 for the analyses request. SR logged the data in per the containers which is 7/26/13 and the method as by 200.7 until further clarification from Client Services. EA 072613 1910
 Correction to previous note - SR will log in Total Lead by 6010 as requested on COC.
 MAS 0729131110

Receipt Details:		
Matrix	Container Type	# of Containers
WA	Voa	03
WA	poly	01
SO	slave	01

CS Required:

Proceed With Analysis: YES NO **Init/Date:** SAH 072913

Client Communication:

Is the Data Valid?
(circle)
Yes / No

Preservation Temperature
(if Known): 5.4 °C

Antea Group Lab Validation Sheet

Project/Client: COP/ELT
Project #: 142705191
Date of Validation: 12/12/13 Date of Analysis: 7/30/13 Sample Date: 7/26/13
Completed By: Jon F. Signature: *Jonathan Killip*
Analytical Lab Used and Report # (if any): Kiff Analytical LLC 85535

Circle or Highlight Yes/No below
<u>Yes</u> / No
<u>Yes</u> / No
<u>Yes</u> / No
<u>Yes</u> / No
<u>Yes</u> / No
<u>Yes</u> / No
Yes / No N/a
Yes / <u>No</u>
<u>Yes</u> / No
<u>Yes</u> / No

- 1. Was the analysis the one requested?
- 2. Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet?
- 3. Were samples prepared (extracted, filtered, etc.) within EPA holding times?
- 4. Once prepared/extracted, were the samples analyzed within the EPA holding times?
- 5. Were Laboratory blanks performed, if so, were they below non-detect?
- 6. Are the units correct? (i.e., soil samples in mg/kg or ug/g, water samples mg/L, ug/L, and air samples in volume mg/m³, etc.)
- 7. Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample?
- 8. In lieu of MS/ MSD, were surrogate spike (SS) or surrogate spike duplicate (SSD) samples included in the laboratory batch samples?
- 9. Were MS/ MSD (or SS/SSD) within the acceptable range of % recovery (i.e., approx 80-120% depending on analyte)?
- 10. Were MS/MSD (or SS/SSD) values used to calculate Relative Percent Difference (RPD)?
- 11. Were Relative Percent Difference values within the acceptable range (i.e. ± 25%)?

If any answer is no, explain why and what corrective action was taken:

9. MS/MSD results associated with sample Waste Water for the analyte benzene were affected by the analyte concentrations already present in the un-spiked sample.

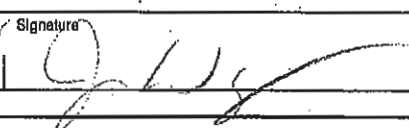
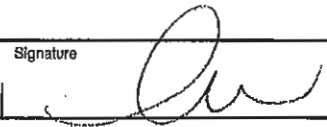
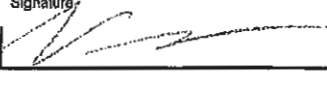
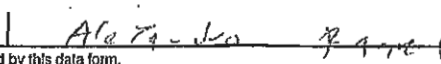
Appendix D

Waste Manifests

NO. 708848 5

NON-HAZARDOUS WASTE DATA FORM

BESI # 226256

GENERATOR	Generator's Name and Mailing Address PC&F ATTENTION: LINDA GARCIA 7180 KOLL CENTER PARKWAY, SUITE 100 PLEASANTON, CA 94655		Generator's Site Address (if different than mailing address) 76 STATION NO. 5191 440 HEGENBERGER RD. OAKLAND, CA 94621																			
	Generator's Phone: 025-031-5733																					
	Container type removed from site: <input checked="" type="checkbox"/> Drums <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____		Container type transported to receiving facility: <input type="checkbox"/> Drums <input checked="" type="checkbox"/> Vacuum Truck <input type="checkbox"/> Roll-off Truck <input type="checkbox"/> Dump Truck <input type="checkbox"/> Other _____																			
	Quantity _____		Quantity _____ Volume <u>55 gallons</u>																			
WASTE DESCRIPTION <u>NON-HAZARDOUS WATER</u>		GENERATING PROCESS <u>WELL PURGING / DECON WATER</u>																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>COMPONENTS OF WASTE</th> <th>PPM</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>1. WATER</td> <td></td> <td>99-100%</td> </tr> <tr> <td>2. TPH</td> <td></td> <td><1%</td> </tr> </tbody> </table>		COMPONENTS OF WASTE	PPM	%	1. WATER		99-100%	2. TPH		<1%	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>COMPONENTS OF WASTE</th> <th>PPM</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>3. _____</td> <td></td> <td></td> </tr> <tr> <td>4. _____</td> <td></td> <td></td> </tr> </tbody> </table>			COMPONENTS OF WASTE	PPM	%	3. _____			4. _____		
COMPONENTS OF WASTE	PPM	%																				
1. WATER		99-100%																				
2. TPH		<1%																				
COMPONENTS OF WASTE	PPM	%																				
3. _____																						
4. _____																						
Waste Profile _____ PROPERTIES: pH <u>7-10</u> <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SLUDGE <input type="checkbox"/> SLURRY <input type="checkbox"/> OTHER _____																						
HANDLING INSTRUCTIONS: _____																						
Generator Printed/Typed Name <u>SAN WILFREDO INC</u>		Signature 		Month Day Year <u>10</u> <u>10</u> <u>13</u>																		
The Generator certifies that the waste as described is 100% non-hazardous																						
TRANSPORTER	Transporter 1 Company Name <u>BELSHIRE</u>		Phone# <u>949-460-5200</u>																			
	Transporter 1 Printed/Typed Name <u>LARRY MATHIAS</u>		Signature 		Month Day Year <u>11</u> <u>03</u> <u>13</u>																	
	Transporter Acknowledgment of Receipt of Materials																					
	Transporter 2 Company Name <u>NIETO & SONS TRUCKING, INC.</u>		Phone# <u>714-990-8855</u>																			
Transporter 2 Printed/Typed Name <u>Michael Garcia</u>		Signature 		Month Day Year <u>11</u> <u>12</u> <u>13</u>																		
Transporter Acknowledgment of Receipt of Materials																						
RECEIVING FACILITY	Designated Facility Name and Site Address <u>DEMENNO KERDOON</u> <u>2000 N. ALAMEDA ST.</u> <u>COMPTON, CA 90222</u>		Phone# <u>310-537-7100</u>																			
	Printed/Typed Name <u>Alfredo Paredes</u>		Signature 		Month Day Year <u>11</u> <u>13</u> <u>13</u>																	
	Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.																					

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: _____ Responsible for Payment: _____ Transport Truck #: **393/733** Facility #: **A07** Approval Number: **41758** Load #: **101011**

Generator's Name and Billing Address: **PC&F
ATTENTION: LINDA GARCIA
7180 KOLL CENTER PARKWAY, SUITE 100
PLEASANTON, CA 94568** Generator's Phone #: **925-931-5733** CAL000337983
Person to Contact: _____
FAX#: _____ Customer Account Number: _____

Consultant's Name and Billing Address: _____ Consultant's Phone #: _____
Person to Contact: _____
FAX#: _____ Customer Account Number: _____

Generation Site (Transport from): (name & address) **76 STATION NO. 5191
442 HEGENBERGER RD.
OAKLAND, CA 94621** Site Phone #: _____
Person to Contact: _____
FAX#: _____

Designated Facility (Transport to): (name & address) **SOIL SAFE
12328 HIBISCUS AVENUE
ADELANTO, CA 92301** Facility Phone #: **(900) 862-8001**
Person to Contact: **DELLENA JEFFREY**
FAX#: **(760) 248-8004**

Transporter Name and Mailing Address: **BELSHIRE
25971 TOWNE CENTRE DRIVE
FOOTHILL RANCH, CA 92610** Transporter's Phone #: **949-460-5200** CAR000183913
Person to Contact: **LARRY MOOTHART** 450647
FAX#: _____ Customer Account Number: _____
BESI: 226256 949-460-5210

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	1 dm		38100	37600	500
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					25

List any exception to items listed above: _____ Scale Ticket # **111452**

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator Consultant Signature and date: _____ Month: **10** Day: **10** Year: **13**

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Kevin Dunlop** Signature and date: _____ Month: **10** Day: **31** Year: **13**

Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: **D. JEFFREY/J. PROVANSAL** Signature and date: _____ **11-14-13**

Please print or type.

GENERATOR/CONSULTANTS COPY