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January 27, 2014

Ms. Dilan Roe
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Site Investigation Report

**76 (Former BP) Station No. 11117
7210 Bancroft Avenue
Oakland, California
Fuel Leak Case No. RO0000356**

Dear Ms. Roe:

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 contact Mr. Dennis Dettloff at (916) 503-1261.

Sincerely,

A handwritten signature in black ink that reads "EQ Ralston".

Edward C. Ralston
Program Manager
Remediation Management

Site Investigation Report

*76 (Former BP) Station No. 11117
7210 Bancroft Avenue
Oakland, CA*

*Alameda County Environmental Health
Case No. RO0000356*

*Regional Water Quality Control Board, San
Francisco Bay Region, Case No. 01-0215*

GeoTracker Global ID No. T0600100201

Antea Group Project No. I42611117

January 24, 2014

Prepared for:
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1.0 INTRODUCTION

Antea Group has prepared this report describing the advancement of nine cone penetrometer test (CPT) borings in the vicinity of monitoring well MW-4 at the site located at 7210 Bancroft Avenue in Oakland, California. This work was performed as proposed in the Pilot Test Evaluation and Additional Assessment Work Plan dated April 29, 2013 submitted by Antea Group to Alameda County Health Care Services Agency (ACHCSA).

1.1 Site Description

The site is currently an operating 76 gas station located at 7210 Bancroft Avenue in Oakland, California (**Figure 1**). The site contains three 12,000-gallon gasoline underground storage tanks (USTs), one 10,000-gallon diesel UST, and the associated product piping and dispensers (**Figure 2**). Refer to **Appendix A** for additional site information and for a history of the environmental investigations and remedial actions.

2.0 SITE GEOLOGY AND HYDROGEOLOGY

Fine-grained sediments including clays and silts to depths varying from 6 feet to 10 feet below ground surface (bgs) underlay the site. Coarse-grained sediments consisting of sands, clayey sands, gravels, and clayey gravels underlay the fine-grained sediments to depths varying between approximately 10 feet to 35 feet bgs. The thickness of the coarse-grained sediments generally ranges between 10 feet to 20 feet across the site.

The most recent monitoring and sampling event was conducted at the site on August 14, 2013. The measured depth to groundwater ranged from 18.35 feet to 21.70 feet below top of casing (TOC). The groundwater flow direction and hydraulic gradient were variable across the site.

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

up to 20 boreholes from the Alameda County Public Works Agency (**Appendix B**). 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 CPT Borings

On October 14 through 18, 2013, Gregg Drilling and Testing (Gregg), under the supervision of an Antea Group geologist, advanced nine (9) CPT borings (CPT-4 through CPT-12), using a CPT rig equipped with Ultraviolet Optical Screening Tool (UVOST) technology. The UVOST detects the presence of polycyclic aromatic hydrocarbons (PAH). PAHs are contained (to varying degrees) in gasoline, diesel, jet fuel, and hydraulic fluids. Different PAHs fluoresce at different wavelengths, and by measuring the intensity and wavelength of the fluoresced PAHs, UVOST is able to quantify the type and wavelength signal intensity of PAHs detected in a boring. Signal intensities of various wavelengths can be used to assess relative magnitudes of hydrocarbons, if present, in each boring.

After the CPT/UVOST borings were advanced, a separate boring was advanced next to each of the original CPT locations (with the exception of CPT-11) to confirm the data generated by the CPT/UVOST. 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 photoionization detector (PID). Selected soil samples from the borings were retained for laboratory analysis. The samples were chosen based on the CPT/UVOST data, PID readings, and the total depth of the boring. The soil borings were advanced to total depths ranging between 35 and 40 feet bgs. CPT, UVOST, and boring logs are presented as **Appendix C**.

3.3 Soil Sampling

Soil samples retained for analysis were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (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), ethanol, and naphthalene by Environmental Protection Agency (EPA) Method 8260B. The samples were submitted with chain-of-custody documentation to Kiff Analytical LLC (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 D**.

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 October 2013 site investigation. Antea Group’s laboratory data validation checklist and the Kiff analytical report are presented as **Appendix D**.

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

- * Tert-Butanol results for sample CPT-4d40 may be biased slightly high and are flagged with a ‘J’. A fraction of MtBE (up to 5%) converts to Tert-Butanol during the analysis of soil samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 3:1.
- * Matrix Spike/Matrix Spike Duplicate (MS/MSD) results some analytes 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.
- * Some LCS recoveries for Naphthalene were outside control limits.

3.5 Boring Survey

On November 26, 2013, Morrow Surveying surveyed the northing and easting of each soil boring using the same datum that was used to survey the on-site monitoring wells, Datum NAD 83. The soil boring elevation was surveyed relative to mean sea level, with an accuracy of +/- 0.1 foot. The locations of the soil borings are shown on **Figure 2**.

3.6 Disposal of Drill Cuttings and Wastewater

Drill cuttings 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 were collected, properly labeled, placed on ice, and submitted to a California-certified laboratory for analysis of TPHg, BTEX and MTBE by EPA Method 8260B, and CAM 17 Metals (Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc by EPA Method 6010, and Mercury by EPA Method 7471A). Chain-of-custody documentation accompanied the samples during transportation to the laboratory. Copies of the analytical reports for

waste soil are presented in **Appendix E**. The generated waste was removed from the site on December 18, 2013 and disposed of at an approved waste facility. A copy of the waste manifest is presented in **Appendix E**.

4.0 RESULTS OF THE INVESTIGATION

4.1 Soil Analytical Results

Analytical results from the soil samples collected during the soil borings indicated TPHg was present in 27 soil samples at concentrations ranging from 1.4 milligrams per kilogram (mg/kg) (CPT-5d40) to 11,000 mg/kg (CPT-12d11), benzene in 20 soil samples at concentrations ranging from 0.0061 mg/kg (CPT-7d35) to 14 mg/kg (CPT-7d30), toluene in 18 soil samples at concentrations ranging from 0.0064 mg/kg (CPT-5d40) to 110 mg/kg (CPT-7d30), ethylbenzene in 26 soil samples at concentrations ranging from 0.0069 mg/kg (CPT-8d25) to 230 mg/kg (CPT-12d11), total xylenes in 28 soil samples at concentrations ranging from 0.013 mg/kg (CPT-7d35) to 1,300 mg/kg (CPT-12d11), MTBE in 11 soil samples at concentrations ranging from 0.0010 mg/kg (CPT-9d37) to 1.1 mg/kg (CPT-7d30), TBA in 14 soil samples at concentrations ranging from 0.0071 mg/kg (CPT-4d40) to 0.63 mg/kg (CPT-7d35), and naphthalene in 28 soil samples at concentrations ranging from 0.0088 mg/kg (CPT-4d40) to 85 mg/kg (CPT-12d11). 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 D**.

4.2 Discussion

Based on the results of the CPT/UVOST data and the results of the lab analysis of soil samples, the UVOST did not always identify depths of higher hydrocarbon impact. Some soil samples which were sent to the laboratory for analysis based only on PID readings had higher concentrations of hydrocarbons than soil samples selected for high UVOST readings. The advantage of screening using UVOST is that there is data for every interval of a boring, but sometimes UVOST misses areas of high concentration. The advantage of screening using a PID is that it is a more accurate predictor of high hydrocarbon concentrations in soil, but sometime there is limited recovery from the soil boring.

5.0 CONCLUSIONS

Based on the data from this investigation and previous investigations at this site it appears that there is one area of concern beneath the site. The area is southeast of the fuel dispensers, in the vicinity of

monitoring wells MW-4. Petroleum hydrocarbon concentrations in the area vary from around 9 to 12 feet bgs in the vicinity of CPT-12 to 20 to 35 feet bgs in the vicinity of CPT-5.

Antea Group is currently preparing a conceptual site model for this site, and based on the results and the data gaps indicated, will determine the most appropriate remedial strategy for this site.

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.

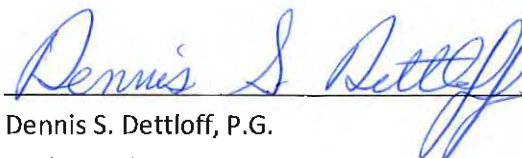
Prepared by:

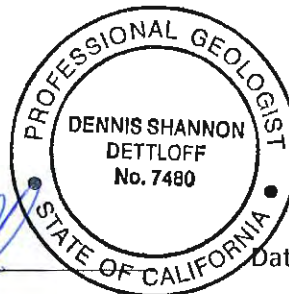

Jonathan Fillingame
Staff Geologist

Date: 1/24/14

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:

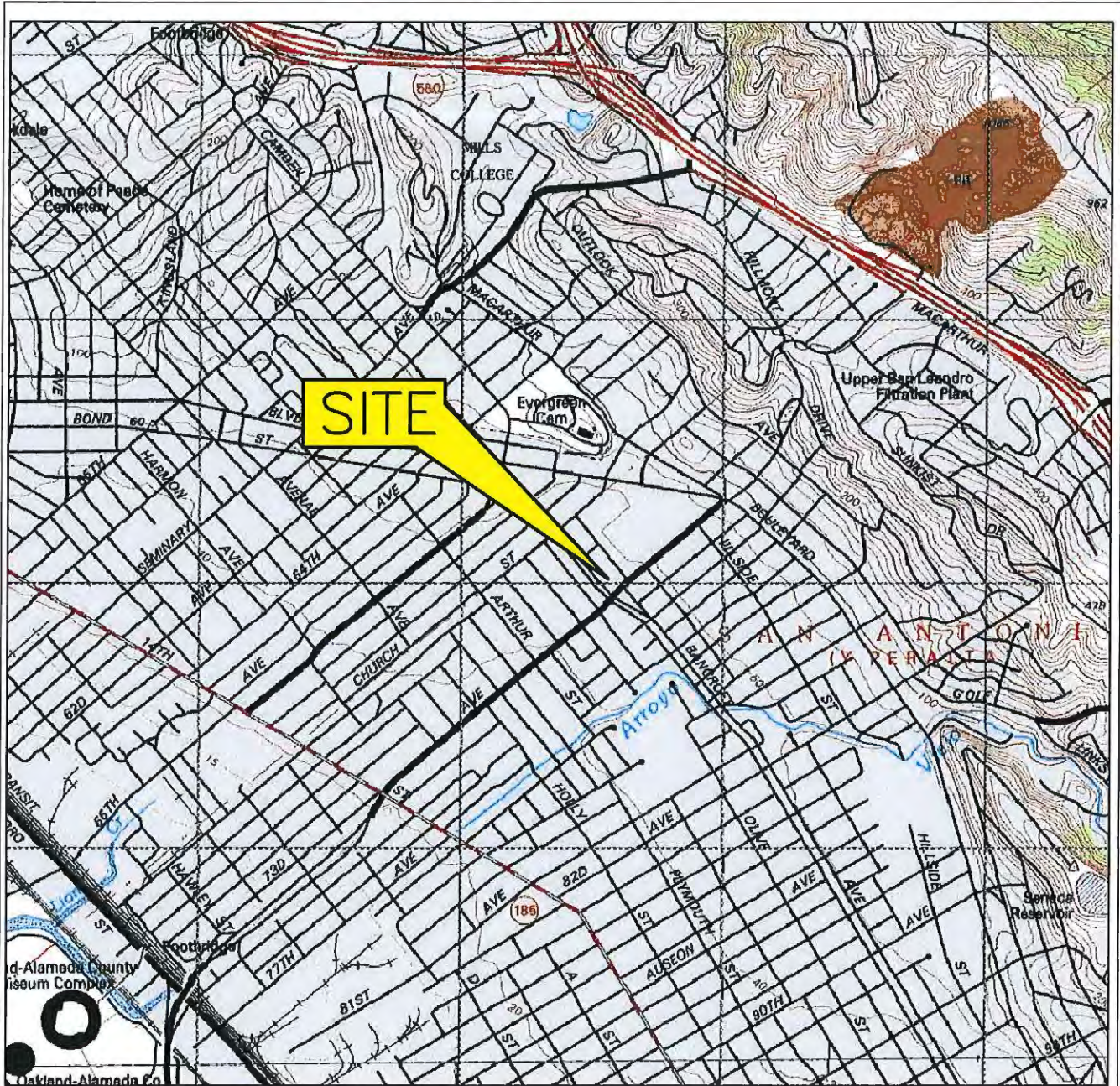

Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480



Date: 1/24/14

Figures

- | | |
|----------|------------------------------|
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan |
| Figure 3 | Current Soil Analytical Data |



QUADRANGLE LOCATION

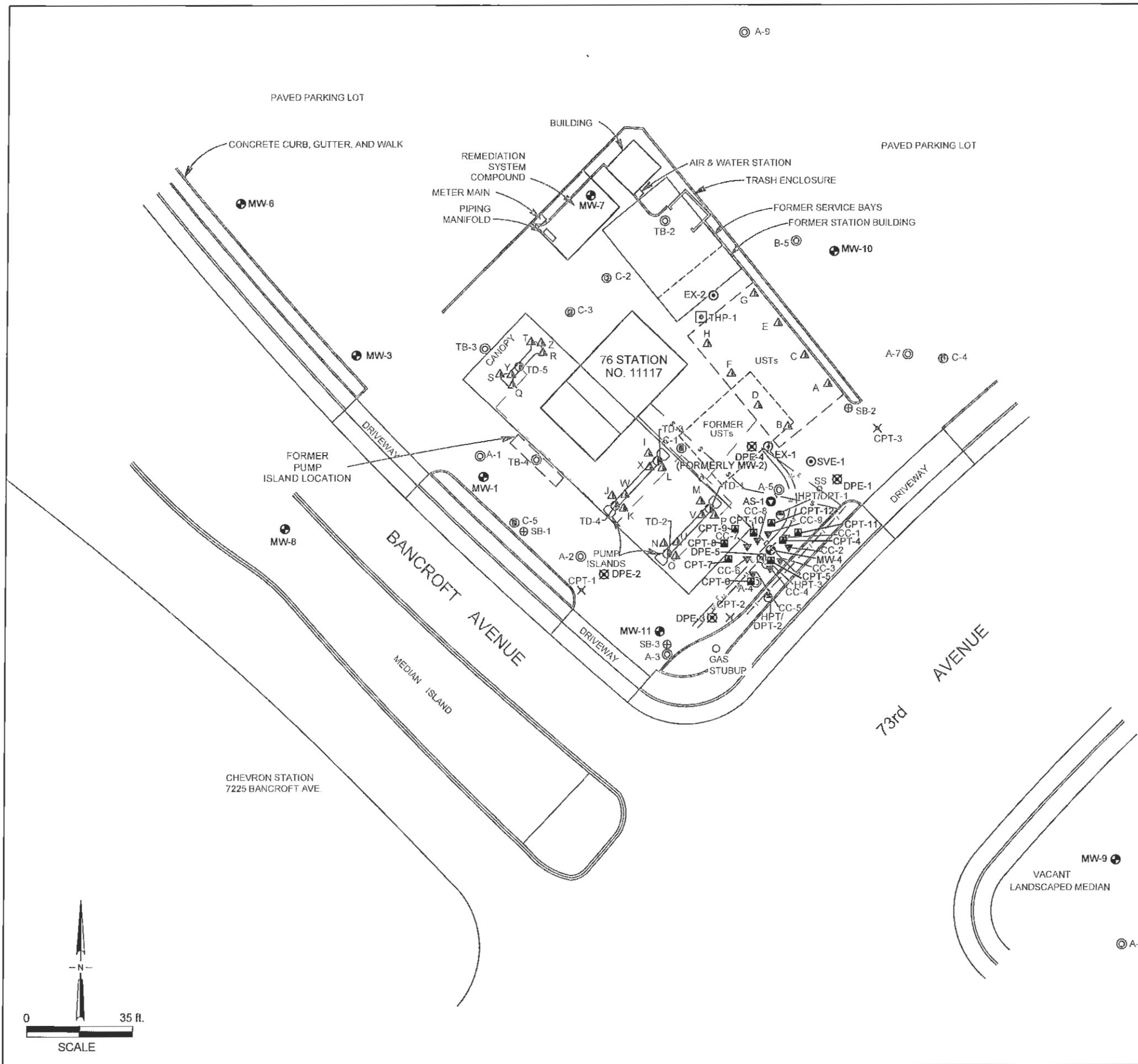
GENERAL NOTES:
 BASE MAP FROM USGS, 7.5 MINUTE
 TOPOGRAPHIC OAKLAND, CA. PHOTO REVISED 1980

FIGURE 1
 SITE LOCATION MAP

76 (FORMER BP) STATION NO 11117
 7210 BANCROFT AVENUE
 OAKLAND CALIFORNIA

PROJECT NO. 142611117	PREPARED BY DK	DRAWN BY JH
DATE 03/30/11	REVIEWED BY DU	FILE NAME 11117-T0P0





EXPLANATION

- MW-7 GROUNDWATER MONITORING WELL LOCATION
- EX-1 SOIL VAPOR EXTRACTION WELL LOCATION
- DPE-2 GROUNDWATER EXTRACTION WELL LOCATION
- AS-1 AIR SPARGE WELL LOCATION
- HPT-3 HPT BORING LOCATION
- CC-1 INJECTION LOCATION
- SS SEWER CLEANOUT LOCATION
- SB-2 FUTURE USE STUB-OUT LOCATION
- CPT-12 CPT / UVOST BORING (ANTEA GROUP 2013)
- C-1 SOIL BORING LOCATION (ANTEA GROUP, 2011)
- CPT-1 CONE PENETROMETER TEST BORINGS BROADBENT & ASSOCIATES, INC. (JUNE, 2007)
- A-1/TB-2 SOIL BORING LOCATION
A BORINGS (URS, NOVEMBER 2005)
B BORING (HEDI, 1992)
T BORINGS (EMCON, 1994)
- TD-1 DISPENSER GRAB SAMPLE LOCATION (EMCON, SEPTEMBER 1994)
- THP-1 HYDROPUNCH BORING LOCATION (EMCON, SEPTEMBER 1994)
- A SOIL SAMPLES COLLECTED DURING ERI UST, PRODUCT LINE, AND DISPENSER REMOVAL (NOVEMBER, 1998)
- PRODUCT LINES
- UNDERGROUND COMMUNICATIONS LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND IRRIGATION LINE
- UNDERGROUND METAL PIPE LINE
- UNDERGROUND SEWER LINE

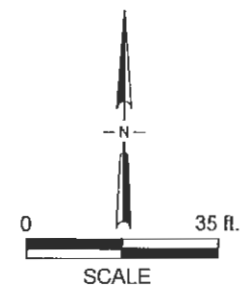


FIGURE 2
SITE PLAN

76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 142611117	PREPARED BY DD	DRAWN BY JH	
DATE 12/02/13	REVIEWED BY DU	FILE NAME 11117-SMS	

EXPLANATION

- MW-7 GROUNDWATER MONITORING WELL LOCATION
- EX-1 SOIL VAPOR EXTRACTION WELL LOCATION
- DPE-2 GROUNDWATER EXTRACTION WELL LOCATION
- AS-1 AIR SPARGE WELL LOCATION
- CPT-12 CPT / UVOST BORING (ANTEA GROUP 2013)
- SS SEWER CLEANOUT LOCATION
- PRODUCT LINES
- UNDERGROUND COMMUNICATIONS LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND IRRIGATION LINE
- UNDERGROUND METAL PIPE LINE
- UNDERGROUND SEWER LINE

NOTES:

- Dp = DEPTH IN FEET BELOW GROUND SURFACE (ft/bgs)
 - G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
 - B = BENZENE
 - MTBE = METHYL TERTIARY BUTYL ETHER
 - <0.05 = LESS THAN LABORATORY INDICATED REPORTING LIMITS
- CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg).

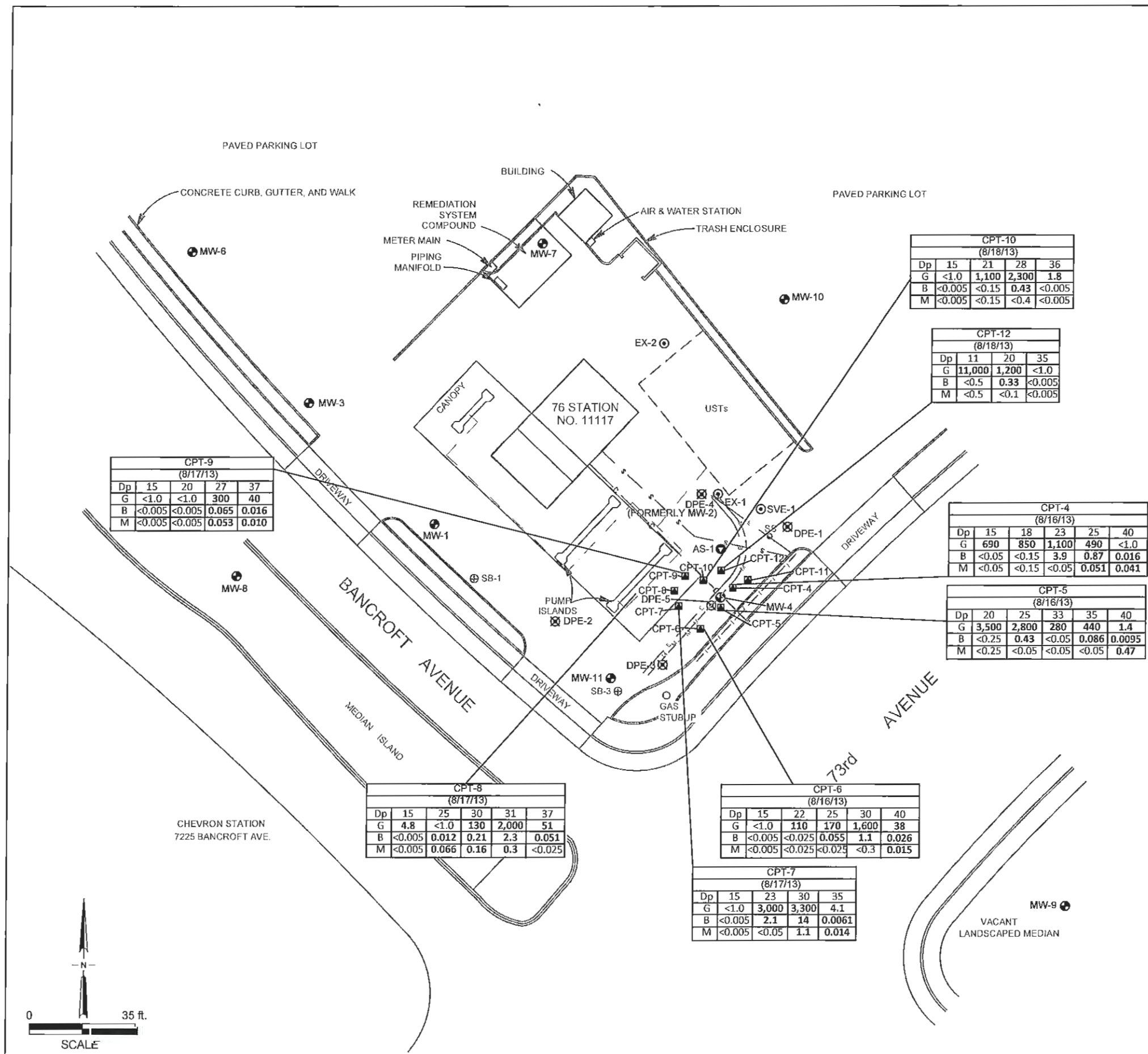
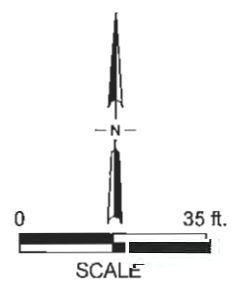


FIGURE 3
CURRENT SOIL CONCENTRATION MAP

76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 142611117	PREPARED BY JF	DRAWN BY JH
DATE 1/24/14	REVIEWED BY DU	FILE NAME 11117-SM1



Tables

Table 1 CPT Soil Analytical Results

TABLE 1

CPT SOIL ANALYTICAL RESULTS
76 (Former BP) Station No. 11117
7210 Bancroft Avenue, Oakland, California

Sample ID	Date	Sample Depth (feet)	TPHg (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)	Naphthalene (mg/kg)
CPT-4d15	10/16/2013	15	690	<0.05	<0.05	15	70	<0.05	<0.25	<0.05	<0.05	<0.05	<0.5	8.9
CPT-4d18	10/16/2013	18	850	<0.15	<0.15	20	83	<0.15	<0.7	<0.15	<0.15	<0.15	<1.5	7.8
CPT-4d23	10/16/2013	23	1,100	3.9	71	22	120	<0.05	<0.25	<0.05	<0.05	<0.05	<0.5	5.4
CPT-4d25	10/16/2013	25	490	0.87	6.2	7.7	44	0.051	<0.15	<0.025	<0.025	<0.025	<0.25	4.6
CPT-4d40	10/16/2013	40	<1.0	0.016	<0.005	0.0073	0.029	0.041	0.0071 J	<0.005	<0.005	<0.005	<0.05	0.0088
CPT-5d20	10/16/2013	20	3,500	<0.25	0.41	87	370	<0.25	<1.5	<0.25	<0.25	<0.25	<2.5	44
CPT-5d25	10/16/2013	25	2,800	0.43	7.1	37	310	<0.05	<0.25	<0.05	<0.05	<0.05	<0.5	12
CPT-5d33	10/16/2013	33	280	<0.05	0.14	2.4	9.0	<0.05	<0.25	<0.05	<0.05	<0.05	<0.5	1.6
CPT-5d35	10/16/2013	35	440	0.086	<0.05	7.6	14	<0.05	<0.25	<0.05	<0.05	<0.05	<0.5	2.3
CPT-5d40	10/16/2013	40	1.4	0.0095	0.0064	0.12	0.39	0.47	0.44	<0.005	<0.005	<0.005	<0.05	0.053
CPT-6d15	10/16/2013	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005
CPT-6d22	10/16/2013	22	110	<0.025	<0.025	0.12	0.042	<0.025	<0.15	<0.025	<0.025	<0.025	<0.25	0.11
CPT-6d25	10/16/2013	25	170	0.055	0.21	2.5	12	<0.025	<0.15	<0.025	<0.025	<0.025	<0.25	1.2
CPT-6d30	10/16/1930	30	1,600	1.1	12	33	170	<0.3	<1.5	<0.3	<0.3	<0.3	<3.0	13
CPT-6d40	10/16/2013	40	38	0.026	0.029	0.064	0.32	0.015	0.29	<0.005	<0.005	<0.005	<0.05	0.022
CPT-7d15	10/17/2013	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005
CPT-7d23	10/17/2013	23	3,000	2.1	77	38	260	<0.05	<0.25	<0.05	<0.05	<0.05	<0.5	23
CPT-7d30	10/17/2013	30	3,300	14	110	65	340	1.1	<2.5	<0.5	<0.5	<0.5	<5.0	28
CPT-7d35	10/17/2013	35	4.1	0.0061	<0.005	<0.005	0.013	0.014	0.63	<0.005	<0.005	<0.005	<0.05	0.015
CPT-8d15	10/17/2013	15	4.8	<0.005	<0.005	<0.005	<0.005	<0.005	0.0076	<0.005	<0.005	<0.005	<0.05	<0.005
CPT-8d25	10/17/2013	25	<1.0	0.012	<0.005	0.0069	0.030	0.066	0.034	<0.005	<0.005	<0.005	<0.05	0.0090
CPT-8d30	10/17/2013	30	130	0.21	1.0	1.4	7.2	0.16	<0.15	<0.025	<0.025	<0.025	<0.25	0.69
CPT-8d31	10/17/2013	31	2,000	2.3	44	40	220	0.3	<1.5	<0.25	<0.25	<0.25	<2.5	23
CPT-8d37	10/17/2013	37	51	0.051	<0.025	0.29	0.040	<0.025	0.47	<0.025	<0.025	<0.025	<0.25	0.13
CPT-9d15	10/17/2013	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.022	<0.005	<0.005	<0.005	<0.05	<0.005
CPT-9d20	10/17/2013	20	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.019	<0.005	<0.005	<0.005	<0.05	<0.005
CPT-9d27	10/17/2013	27	300	0.065	0.17	3.0	14	0.053	0.37	<0.05	<0.05	<0.05	<0.5	2.8
CPT-9d37	10/17/2013	37	40	0.016	0.073	1.2	1.3	0.010	0.32	<0.005	<0.005	<0.005	<0.05	0.71
CPT-10d15	10/18/2013	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.024	<0.005	<0.005	<0.005	<0.05	<0.005
CPT-10d21	10/18/2013	21	1,100	<0.15	<0.15	23	45	<0.15	<0.7	<0.15	<0.15	<0.15	<1.5	28
CPT-10d28	10/18/2013	28	2,300	0.43	0.56	35	99	<0.4	<2.0	<0.4	<0.4	<0.4	<4.0	17
CPT-10d36	10/18/2013	36	1.8	<0.005	<0.005	<0.005	0.0086	<0.005	0.24	<0.005	<0.005	<0.005	<0.05	0.019
CPT-12d11	10/18/2013	11	11,000	<0.5	3.3	230	1,300	<0.5	<2.5	<0.5	<0.5	<0.5	<5.0	85
CPT-12d20	10/18/2013	20	1,200	0.33	0.76	31	130	<0.1	<0.5	<0.1	<0.1	<0.1	<1.0	14
CPT-12d35	10/18/2013	35	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	0.17	<0.005	<0.005	<0.005	<0.05	<0.005

Notes:
TPHg = total petroleum hydrocarbons as gasoline by EPA Method 8015
TPHd = total petroleum hydrocarbons as diesel by EPA Method 8015
BTEX = benzene, toluene, ethyl-benzene, 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
ETBE = Ethyl-t-butyl ether
J = TBA result may be biased slightly high due to MTBE converting to TBA during analysis
mg/kg = milligrams per kilogram
NA = not applicable

Appendix A

Site Details and Summary of Previous Environmental Investigations

SITE LOCATION AND BACKGROUND

The Site is an active 76-brand gasoline retail outlet located on the northern corner of Bancroft Avenue and 73rd Avenue at 7210 Bancroft Avenue in Oakland, Alameda County, California (**Figure 1**). The site consists of a service station building, three 12,000-gallon gasoline underground storage tanks (USTs), and one 10,000-gallon diesel UST with associated piping and dispensers. The site is covered with asphalt or concrete surfacing except for planters along the southeastern and southwestern property boundaries and at the north corner of the property.

Land use in the immediate vicinity of the site is mixed commercial and residential. BP acquired the facility from Mobil Oil Corporation in 1989. In January 1994, BP transferred the property to TOSCO Marketing Company (TOSCO) and has not operated the facility since that time.

SUMMARY OF PREVIOUS ENVIRONMENTAL INVESTIGATIONS

1984 UST Replacement: In 1984, the pre-existing USTs at the site were removed and three single-walled fiberglass gasoline underground storage tanks (USTs) (6,000-gallon, 10,000-gallon, and 12,000-gallon) and one 6,000-gallon diesel UST were installed in a cavity immediately to the northeast of the former USTs. A UST removal/installation report is not on file, and it is unknown if one was ever prepared. No documentation was reportedly found referencing the conditions of the removed USTs or reporting evidence of the hydrocarbon impacts in the soil and groundwater, if any, at the time of the UST removal.

1989 Phase II Environmental Audit: In December 1989, Hunter Environmental Services, Inc. (Hunter) performed a Phase II Environmental Audit on the adjacent Eastmont Town Center site located to the north and northwest of the former BP Site. Part of the Phase II study included the installation monitoring well MW-3 near the western boundary of the former BP Site. Soil samples collected from 10 and 20 feet below ground surface (bgs) from MW-3 were analyzed for total petroleum hydrocarbons (TPH), benzene, toluene, ethyl benzene, and total xylenes (BTEX), and oil and grease. No analytes were reported above their respective laboratory reporting limits (LRLs). A groundwater sample collected from MW-3 was reported to contain TPH and benzene at concentrations of 2,700 micrograms per liter ($\mu\text{g/L}$) and 530 $\mu\text{g/L}$, respectively (Hunter, 1989).

1991 Phase I Subsurface Investigation: In December 1991, Hydro Environmental Technologies, Inc. (Hydro) drilled two on-site soil borings (MW-1 and MW-2) to total depths of 40 feet bgs, and soil samples were collected at 10-foot intervals between 5 and 25 feet bgs. First groundwater was encountered at approximately 30 feet bgs. The analytical results of the soil samples from MW-1 and MW-2 reported total petroleum hydrocarbons as gasoline (TPH-g) and BTEX at concentrations below their respective LRLs (Hydro, 1991).

1992 Phase I Subsurface Investigation: In July 1992, Hydro advanced boring MW-4 and MW-6 to total depths of 40 feet bgs, and boring B-5 was advanced to 50 feet bgs, First groundwater was encountered at approximately 30 feet bgs in borings MW-4 and MW-6, and no free water was encountered in boring B-5. The analytical results of soil samples collected at 30 feet bgs from B-5 and MW-6 reported TPH-g and BTEX at concentrations below their respective LRLs. The maximum TPH-g and BTEX concentrations in soil reported in MW-4 were 6,000 milligrams per kilogram (mg/kg) and 34 mg/kg, respectively, from a depth of 20 feet bgs. Borings MW-4 and MW-6 were subsequently converted into monitoring wells (Hydro, 1992).

1994 Baseline Assessment Report: In September 1994, EMCON performed a Supplemental Site Assessment at the site. Four exploratory soil borings (THP-1, TB-2, TB-3, TB-4) were advanced to a maximum depth of 45 feet bgs north of the former and existing UST complexes (THP-1), at the former service bays (TB-2), north of the northern pump island (TB-3), and at a former pump island (TB-4). Additionally, one soil sample was collected from beneath each of the five dispensers (TD-1 through TD-5). Groundwater was encountered in TB-2 and TB-3 at approximately 33 to 36 feet bgs and groundwater samples were collected from TB-2 and TB-3 via temporarily well points. Maximum concentrations of 16 mg/kg TPH-g (TD-3), TPH as diesel (TPH-d) at concentrations ranging from 110 mg/kg to 5,000 mg/kg (TD-1 through TD-5), and benzene at concentrations below LRLs were reported in soil samples. TPHg was not reported above the LRLs and a maximum concentration of 0.7 µg/L benzene (TB-3) was reported in groundwater samples (EMCON, 1994).

1994 Well Installation: In October 1994, Hydro advanced boring MW-7 to a total depth of 45 feet bgs, and borings MW-8 and MW-9 were advanced to total depths of 40 feet bgs. First encountered groundwater was at approximately 27 feet bgs to 32 feet bgs. TPH-g and BTEX were not detected above their respective LRLs in soil samples collected from 25 feet bgs in each boring. The three borings were subsequently converted into monitoring wells MW-7 through MW-9 (Hydro, 1995).

1997 Offsite Well Installation: In July 1997, Pacific Environmental Group (PEG) drilled one boring (MW-10) offsite to a depth of approximately 37.5 feet bgs. Soil samples were collected and the boring was subsequently converted into a monitoring well. First groundwater was encountered at approximately 26 feet bgs. No TPH-g, BTEX or methyl tertiary butyl ether (MTBE) was detected in soil samples at concentrations above their respective LRLs in MW-10. TPH-g and BTEX were not detected in the groundwater sample from MW-10 at concentrations above their respective LRLs. However, MTBE was detected at concentration of 13 µg/L using EPA Method 8020 (PEG, 1997).

1998 UST and Associated Piping and Dispenser Removal: In August 1998, Environmental Resolutions, Inc. (ERI) removed the three gasoline USTs (6,000-gallon, 10,000-gallon, and 12,000-gallon), one 6,000-gallon diesel UST, and associated dispensers and piping from the site. There was no visible evidence of leakage from the USTs removed. A total of eight native soil samples were collected from beneath each end of the removed USTs (denoted as A through H on **Figure 2**) at depths of 14 to 16 feet bgs, and a total of 18 soil samples (denoted as I through Z on **Figure 2**) were collected from the former dispenser locations and from beneath the associated product lines at three feet bgs (ERI, 1998).

TPH-g was reported in five of the eight UST excavation samples at concentrations ranging from 3.7 mg/kg (S-15-T2S) to 5,300 mg/kg (S-15-T1S). TPH-d was detected at 630 mg/kg (S-15-T1N) and 800mg/kg (S-15 T1S) into two samples, benzene concentrations ranged between 0.40 mg/kg (S-15-T1N) to 0.95 mg/kg (S-16-T3N) in three samples, MTBE concentrations ranged between 0.028 mg/kg (S-14-T4S) to 5.3 mg/kg (S-16-T3N) in seven samples, and lead was not reported in the sample analyzed for lead. TPH-g was reported in nine of the eighteen dispenser and product line samples with concentrations ranging between 1.4 mg/kg (S-3-PL12) to 7,200 mg/kg (S-3-D4). TPH-d was detected between 4.8 mg/kg (S-3-PL12) to 190 mg/kg (S-3-PL11) in five samples, benzene was detected between 0.0089 mg/kg (S-3-PL12) to 22 mg/kg (S-3-D4) in three samples and MTBE was detected between 0.048 mg/kg (S-3-PL12) to 15 mg/kg (S-3-PL1) in ten samples (ERI, 1998).

During the 1998 UST replacement activities, approximately 389 tons of soil and backfill were transported off-site disposal. The existing 10,000-gallon diesel and three 12,000-gallon gasoline USTs were installed as replacements (ERI, 1998).

1999 Groundwater Recovery Test: In April 1999, Alisto Engineering Group (Alisto) conducted groundwater recovery tests on wells MW-1 through MW-4, MW-6, MW-7 and MW-10 to assess the spatial variation in hydraulic conductivity in the shallow water-bearing zone across the Site. Testing by the Bouwer-Rice method yielded hydraulic conductivities of 2.46×10^{-2} ft/min for MW-1, 2.42×10^{-4} ft/min for MW-2, 3.82×10^{-4} ft/min for MW-3, 5.75×10^{-4} ft/min for MW-4, 1.99×10^{-2} ft/min for MW-6, 1.09×10^{-4} ft/min for MW-7 and 8.78×10^{-5} ft/min for MW-10. The geometric mean of the hydraulic conductivity and flow velocity values were calculated to be 1.37×10^{-5} feet per second and 73.85 feet per year, respectively (Alisto, 1999).

1999 Extraction Well Installation: In November 1999, Cambria Environmental Technology, Inc. (Cambria) installed two 4-inch diameter wells (EX-1 and EX-2) on-site to facilitate potential remedial activities at the site. Well EX-1 was drilled to 39.5 feet bgs and EX-2 was drilled to 36.5 feet bgs. Groundwater was first encountered at 26 feet bgs. No TPH-G or BTEX, and relatively low MTBE concentrations (below 0.012 mg/kg) were reported in soil samples collected from EX-1 and EX-2 (Cambria, 2000).

2000 Interim Remedial Action and Recovery Testing: Between March 16 and April 30, 2000, Cambria conducted interim remedial activities at the site to evaluate the effectiveness of hydrocarbon and MTBE reduction using short-term groundwater extraction. During eight extraction events, approximately 10,900 gallons of groundwater was extracted from wells EX-1, EX-2 and MW-2. During the extraction events, stable to slightly decreasing hydrocarbon and MTBE concentration trends were reported in samples collected from wells MW-2 and EX-1, located immediately southwest of the existing USTs. Samples from well EX-2, located north of the existing USTs, exhibited lower hydrocarbon and MTBE concentrations than MW-2 and EX-1. In April 2000, during the batch extraction events, recovery tests were conducted on wells EX-1, EX-2 and MW-2. Based on the recovery test measurements, the calculated hydraulic conductivity values ranged from 1.85×10^{-4} ft/min to 8.33×10^{-4} ft/min with resulting flow velocities of 16 ft/year to 73 ft/year at well MW-2 (Cambria, 2000).

The calculated hydraulic conductivity values ranged from 2.02×10^{-5} ft/min to 3.85×10^{-5} ft/min for well EX-1 with resulting flow velocities of 1.8 to 3.4 Ft/yr. And a well EX-2, the calculated hydraulic conductivity values ranged from 3.04×10^{-4} ft/min to 2.13×10^{-3} ft/min for resulting flow velocities of 27 ft/year to 187 ft/year. The geometric mean of these values is a hydraulic conductivity of 3.0×10^{-4} ft/min and resulting flow velocity of 26 ft/year (Cambria, 2000).

2001 Dual-Phase Extraction Pilot Test: From October 29, through November 2, 2001, Cambria performed a dual phase soil vapor and groundwater extraction (DPE) pilot test on the monitoring wells with the highest historical hydrocarbon concentrations (i.e., MW-2 and MW-4) and the extraction wells (EX-1 and EX-2) at the site. The DPE test results indicated that the vacuum influence was limited to within 18 to 28 feet of the extraction well. Water levels typically decreased several feet in the extraction wells and had a varied response in the observation wells. Estimated vapor-phase removal rates were approximately 200-pounds of hydrocarbon per day in wells MW-4 and EX-1, and less than 5-pounds of hydrocarbon per day in wells MW-2 and EX-2 (Cambria 2002).

Soil vapor concentrations showed a decreasing trend in wells MW-4 and EX-1 during the short-term pilot tests. Grab water samples collected before and after the pilot tests remained the same order of magnitude. A total of 6,500 gallons of water was extracted during the DPE pilot test and appropriately disposed off-site. Overall, the test results indicated that DPE is a feasible remedial alternative for the site (Cambria, 2002). Alameda County Environmental Health (ACEH) approved Cambria's August 8, 2002, *Dual Phase Extraction Pilot Test Report* as a Corrective Action Plan (CAP).

2005 Soil and Water Investigation: In Fall 2005, URS completed nine Geoprobe soil borings with co-located Hydropunch borings. The first phase of work was on-site source area characterization: five boring locations (A-1 through A-5) were advanced in the vicinity of the possible hydrocarbons source areas such as locations of former and current USTs, products dispensers, and in the vicinity of MW-4 to adequately characterize the lateral and vertical extent of petroleum hydrocarbons in soils in the identified source areas. An off-site assessment was completed during the second phase of work (borings A-7 through A-10) to further define the downgradient, cross-gradient, and up-gradient extent of the groundwater plume (soil boring A-6 was unable to be advanced due to close proximity to electric lines and product piping). Maximum concentrations of gasoline range organics (GRO), benzene, and MTBE were detected in soil at concentrations of 490 mg/kg [A-4 (23.5-24')], 0.11 mg/kg [A-5 (35-35.5')], and 0.84 mg/kg [A-1 (46-46.5')], respectively. Maximum concentrations of GRO, benzene, and MTBE were detected in ground water at concentrations of 510,000 µg/L [A-2 (21.3')], 11,000 µg/L [A-4 (34-36')], and 39,000 µg/L [A-4 (34-36')], respectively (URS, 2005).

The cross-gradient and downgradient lateral extents of the dissolved hydrocarbon plume were characterized during the last investigation. However, the vertical extent of the dissolved-phase hydrocarbons on the southern portion of the site was not defined. Specifically, significantly elevated concentrations were detected in Hydropunch groundwater samples collected from the bottom depths of soil borings A-2, A-3 and A-4. The bottom Hydropunch sample from boring A-2 (40-42 ft bgs) contained concentrations of GRO, benzene, and MTBE at 36,000 µg/L, 1,800 µg/L, and 110 µg/L, respectively. The bottom Hydropunch sample from boring A-3 (34-36 ft bgs) contained concentrations of GRO, benzene, and MTBE at 12,000µg/L, 21µg/L, and 8.3µg/L respectively. The bottom Hydropunch sample from boring A-4 (34-36 ft bgs) contained GRO, benzene, and MTBE concentrations of 120,000µg/L, 11,000µg/L and 39,000 µg/L respectively (URS, 2005).

Therefore, the vertical extent of dissolved phase petroleum hydrocarbon contamination remains unknown in this southern area of the site (URS, 2005). A work plan for soil and water investigation to delineate the vertical extent of contamination in the southern portion of the site was submitted to ACEH in October 2006.

2007 Soil and Groundwater Investigation: In April 2007, Stratus Environmental, Inc. (Stratus) advanced cone penetrometer test (CPT) borings in three locations onsite (CPT-1 through CPT-3) to maximum depths of 60 feet bgs. CPT-1 was advanced southwest of the dispenser islands and southeast of monitoring well MW-1; CPT-2 was advanced south of the dispenser islands and southwest of monitoring well MW-4; CPT-3 was advanced in the eastern corner of the side as requested by the ACEH. An Ultraviolet Induced Fluorescence (UVIF) module was used at each CPT boring location, analyzing the vertical extent of petroleum hydrocarbons in addition to providing soil profiling data. Groundwater samples were collected from multiple depths at each boring locations; physical soil samples were not collected during this investigation.

- GRO was detected above laboratory reporting limits in five of the seven groundwater samples, ranging from 170 µg/L (CPT-3-28-32') to 170,000 µg/L (CPT-1-37-41').
- Benzene was detected above laboratory reporting limits in four of the seven groundwater samples, ranging from 0.51 µg/L (CPT-3-23-27') to 7,700 µg/L (CPT-2-37-41').
- Toluene was detected above laboratory reporting limits in three of the seven groundwater samples, ranging from 57 µg/L (CPT-1-30-34') to 670 µg/L (CPT-2-28-32').

- Ethylbenzene was detected above laboratory reporting limits in four of the seven groundwater samples, ranging from 530 µg/L (CPT-2-37-41') to 2,600 µg/L (CPT-1-37-41').
- Total xylenes were detected above laboratory reporting limits in four of the seven groundwater samples, ranging from 290 µg/L (CPT-2-37-41') to 9,600 µg/L (CPT-1-37-41').
- MTBE was detected above laboratory reporting limits in five of the seven groundwater samples, ranging from 4.4 µg/L (CPT-3-56-60') to 6,500 µg/L (CPT-2-37-41').
- TBA was detected above laboratory reporting limits in groundwater sample CPT-2-37-41' at 2,400 µg/L.

2007-2008 DPE System Installation: Construction of the DPE system was started by Broadbent & Associates, Inc (BAI) and Stratus in late 2007. The system consists of a thermal/catalytic oxidizer with a 25 horsepower liquid ring blower designed to extract water and vapor from six on-site extraction wells. Extracted vapor were to be treated by thermal/catalytic oxidation and discharged to the atmosphere under the oversight of the Bay Area Air Quality Management District. Extracted groundwater was to be treated by a sediment filter and three 1,000 pounds carbon vessels before being discharged into the City of Oakland sanitary sewer system. DPE wells DPE-1 through DPE-5 were installed at the site to total depths ranging from 35 feet to 40 feet bgs. Well MW-2 was overdrilled and destroyed to allow DPE-4 to be installed in the same borehole. The system is currently connected to six wells (DPE-1 through DPE-5 and EX-1) (BAI, 2008a).

As of the end of the fourth quarter 2008 the system had not been started. BAI and Stratus were still coordinating with Pacific Gas & Electric (PG&E) to install electrical service to the system. Natural gas was completed to the site and system in third quarter 2008 (BAI, 2008a).

During DPE construction activities, on-site groundwater monitoring well MW-11 was installed to a total depth of 40 feet bgs on the southern corner of the site. Soil samples collected at 20 feet and 30 feet bgs reported maximum concentrations of 1.9 mg/kg GRO and 0.0089 mg/kg benzene. MTBE was not reported above the LRL in either of the soil samples (BAI, 2008a).

2009-2011 DPE System Startup Efforts: In 2009, Antea Group (formerly Delta Consultants) began coordinating with nearby businesses (Eastmont Mall and Burger King) for the 3-phase power source. Due to financial consideration, Antea Group also explored another alternative for the startup of the DPE system, which included reconfiguring the current system for single phase power.

2011-2012 Remedial Action Site Investigation: Antea Group submitted the *Remedial Action Investigation Work Plan*, dated August 03, 2011 to the ACEH. The ACEH approved the proposed scope of work in an agency letter to Antea Group dated September 1, 2011. In October 2011, Antea Group and subcontractors advanced borings C-1 through C-5, and advanced and installed remedial wells SVE-1 and AS-1 per the August 2011 Work Plan. Antea Group submitted a *Remedial Investigation Work Plan Addendum*, dated December 13, 2011 which proposes a postponement of the AS/SVE pilot test described in the August 3, 2011 *Remedial Action Investigation Work Plan* to utilize a new remedial strategy called Plume Stop, a product created by Regenesis. Between March 26 and 30, 2012, Antea Group and Regenesis oversaw subcontractor Vironex inject Plume Stop at nine soil boring locations using direct push technology. Antea Group is currently conducting post injection groundwater monitoring events as outlined in the December 2011 Work Plan Addendum.

2013 CPT Investigation: On October 14 through 18, 2013, Gregg Drilling and Testing (Gregg), under the supervision of an Antea Group geologist, advanced nine (9) CPT borings (CPT-4 through CPT-12), using a CPT rig equipped with Ultraviolet Optical Screening Tool (UVOST) technology. The UVOST detects the presence of polycyclic aromatic hydrocarbons (PAH). PAHs are contained (to varying degrees) in gasoline, diesel, jet fuel, and hydraulic fluids. Different PAHs fluoresce at different wavelengths, and by measuring the intensity and wavelength of the fluoresced PAHs, UVOST is able to quantify the type and wavelength signal intensity of PAHs detected in a boring. Signal intensities of various wavelengths can be used to assess relative magnitudes of hydrocarbons in each boring.

After the CPT/UVOST borings were advanced, a separate boring was advanced next to each of the original CPT locations (with the exception of CPT-11) to confirm the data generated by the CPT/UVOST. Soil samples from the borings were retained for laboratory analysis. The samples were chosen based on the CPT/UVOST data, PID readings, and the total depth of the boring. The soil borings were advanced to total depths ranging between 35 and 40 feet bgs.

Analytical results from the soil samples collected during the soil borings reported TPHg in 27 soil samples at concentrations ranging from 1.4 milligrams per kilogram (mg/kg) (CPT-5d40) to 11,000 mg/kg (CPT-12d11), benzene in 20 soil samples at concentrations ranging from 0.0061 mg/kg (CPT-7d35) to 14 mg/kg (CPT-7d30), toluene in 18 soil samples at concentrations ranging from 0.0064 mg/kg (CPT-5d40) to 110 mg/kg (CPT-7d30), ethylbenzene in 26 soil samples at concentrations ranging from 0.0069 mg/kg (CPT-8d25) to 87 mg/kg (CPT-5d20), total xylenes in 28 soil samples at concentrations ranging from 0.014 mg/kg (CPT-7d35) to 1,300 mg/kg (CPT-12d11), MTBE in 11 soil samples at concentrations ranging from 0.0010 mg/kg (CPT-9d37) to 1.1 mg/kg (CPT-7d30), TBA in 14 soil samples at concentrations ranging from 0.0071 mg/kg (CPT-4d40) to 0.63 mg/kg (CPT-7d35), , and Naphthalene in 28 soil samples at concentrations ranging from 0.0088 mg/kg (CPT-4d40) to 85 mg/kg (CPT-12d11).

FREE PRODUCT RECOVERY DURING GROUNDWATER MONITORING EVENTS

Free product was observed in groundwater monitoring well MW-2 between the 1993 and 1998, at thicknesses ranging from 2.60 feet (3/30/1994) to less than 0.01 feet (10/2/1997 to 7/21/1998). When free product was observed in the well, it was removed by bailer. Between 1993 and 1998, a cumulative total of 24.90 gallons of free product had been removed from the well (Alisto, 1998).

Free product was also observed in well MW-4 during the third quarter 2001 (0.03 inches), fourth quarter 2006 (0.11 inches), first quarter 2008 (0.01 inches), and third quarter 2008 (0.05 inches); and in EX-2 during the second quarter 2007 (0.01 inch). With the exception of 1.5 gallons of a free product/water mixture recovered from MW-4 during the third quarter 2008 (BAI, 2008b), free product was not recovered from these wells when observed.

SENSITIVE RECEPTORS

2000 Potential Receptor Survey, Expanded Site Plan and Well Search: In October 2000, Alisto completed a potential receptor survey, prepared an expanded site plan with neighboring property parcel information and underground utilities mapped, and identified wells in the vicinity of the site. A review of the files of the California Department of Water Resources (DWR) was performed to identify all known wells within one-half mile radius of the site. The results of the well search revealed that there were 17 wells other than the on-site monitoring wells. Of these, 11 were offsite monitoring

wells; four were cathodic protection wells, one an industrial well, and one an irrigation well for a nearby cemetery. No domestic/municipal water supply wells were identified from review of the DWR files (Alisto, 2000).

2010 Sensitive Receptor Survey: Delta Consultants (Delta) submitted a *Sensitive Receptor Survey* in October 2010. As part of that receptor survey, Delta conducted a records review (environmental database search), a well radius search, and a search for other sensitive receptors which have the potential to be affected by the petroleum hydrocarbon release at the site. Delta's review of the historical aerial photographs indicated that the site in 1939 was primarily used for agricultural purposes with small family residences. In general, the site was developed to the current conditions with the station building in 1974. The historical topographic maps support the indication of residential houses and agriculture in the site region as early as 1915 to 1948. The well search indicated that 10 wells were within a one-mile radius of the site. DWR indicated the presence of 7 wells within a one-mile radius of the site. However, no records were found for the status of these wells as being active or abandoned. The main surface water bodies were Lake Merritt located northwest of the site and San Leandro Bay located west of the site. Several churches, schools and day care centers were located within a one-mile radius of the site. Based on the above identified receptors' distances from the site, directions from the site, and extent of hydrocarbon impact at the site, they were not anticipated to be affected by the petroleum hydrocarbon release at the site.

Appendix B

Water Resources Well 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: 10/08/2013 By jamesy

Permit Numbers: W2013-0844
Permits Valid from 10/14/2013 to 10/18/2013

Application Id: 1380756049187
Site Location: 7210 Bancroft Avenue, Oakland, CA
Project Start Date: 10/14/2013
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site:Oakland
Completion Date:10/18/2013

Applicant: Antea Group - Jonathan Fillingame
11050 White Rock Rd Ste 110, Rancho Cordova, CA 95670
Property Owner: Power Quality & Electrical Systems Inc. Tejindar

Phone: 916-288-0150

Phone: 510-553-0109

Singh
7210 Bancroft Avenue, Oakland, CA 94605
Client: ** same as Property Owner **

Receipt Number: WR2013-0389 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 - 20 Boreholes
Driller: Gregg - Lic #: 485165 - Method: other

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2013-0844	10/08/2013	01/12/2014	20	3.00 in.	35.00 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 Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org 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.

Alameda County Public Works Agency - Water Resources Well Permit

6. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. 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 C

CPT, UVOST, and Boring Logs



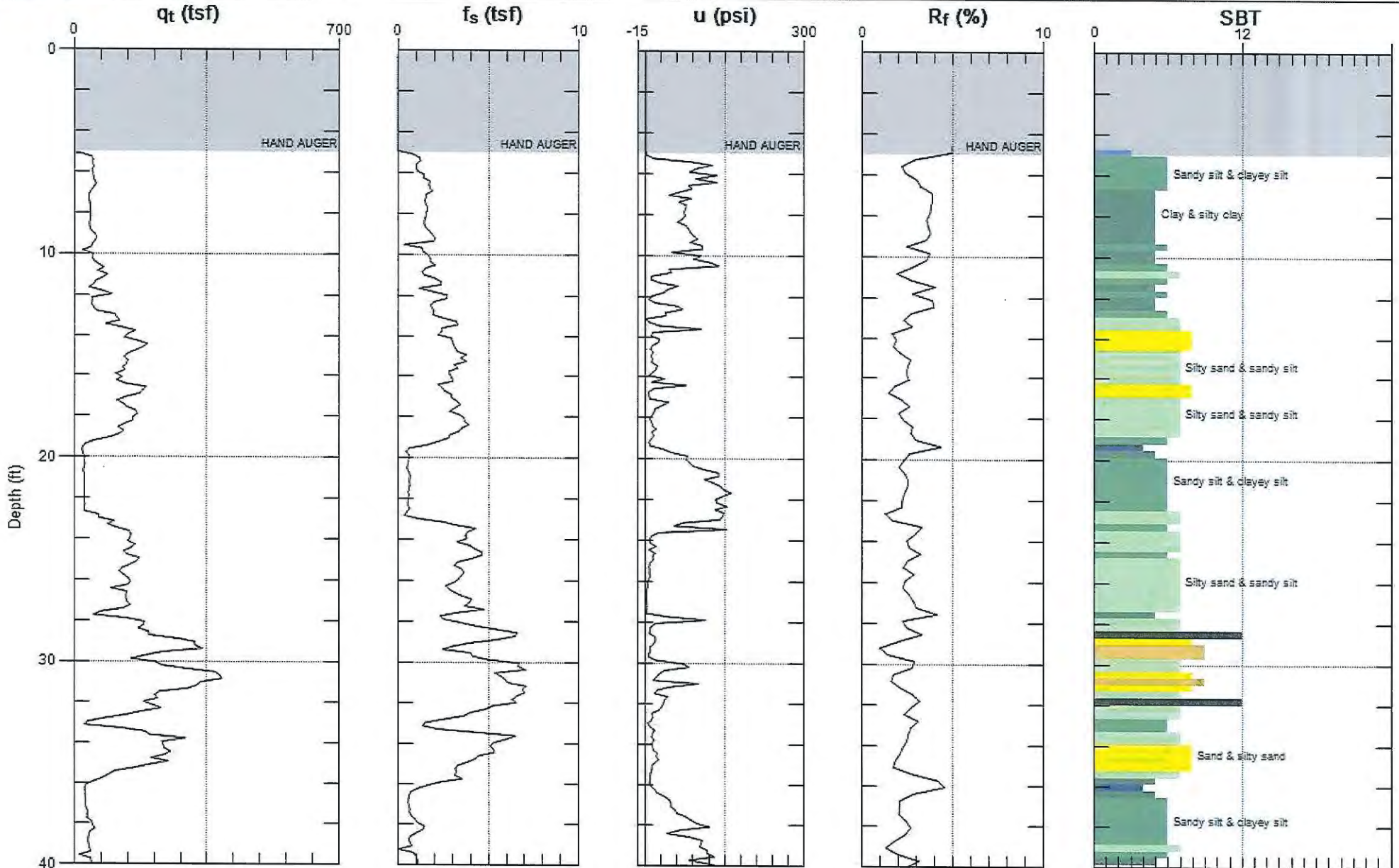
ANTEA GROUP

Site: 76 STATION #2611117

Engineer: J.FILLINGAME

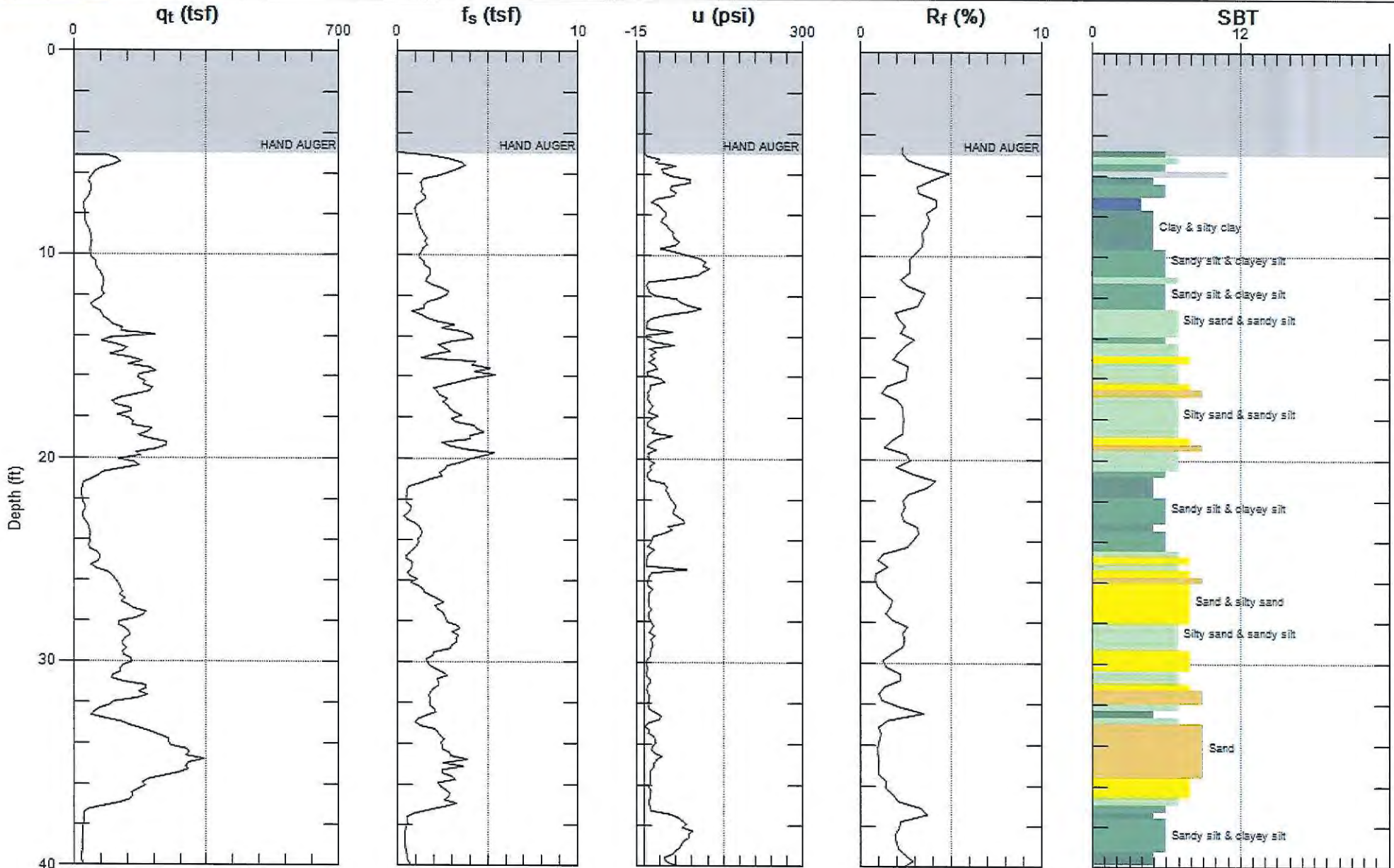
Sounding: CPT-04

Date: 10/14/2013 09:23



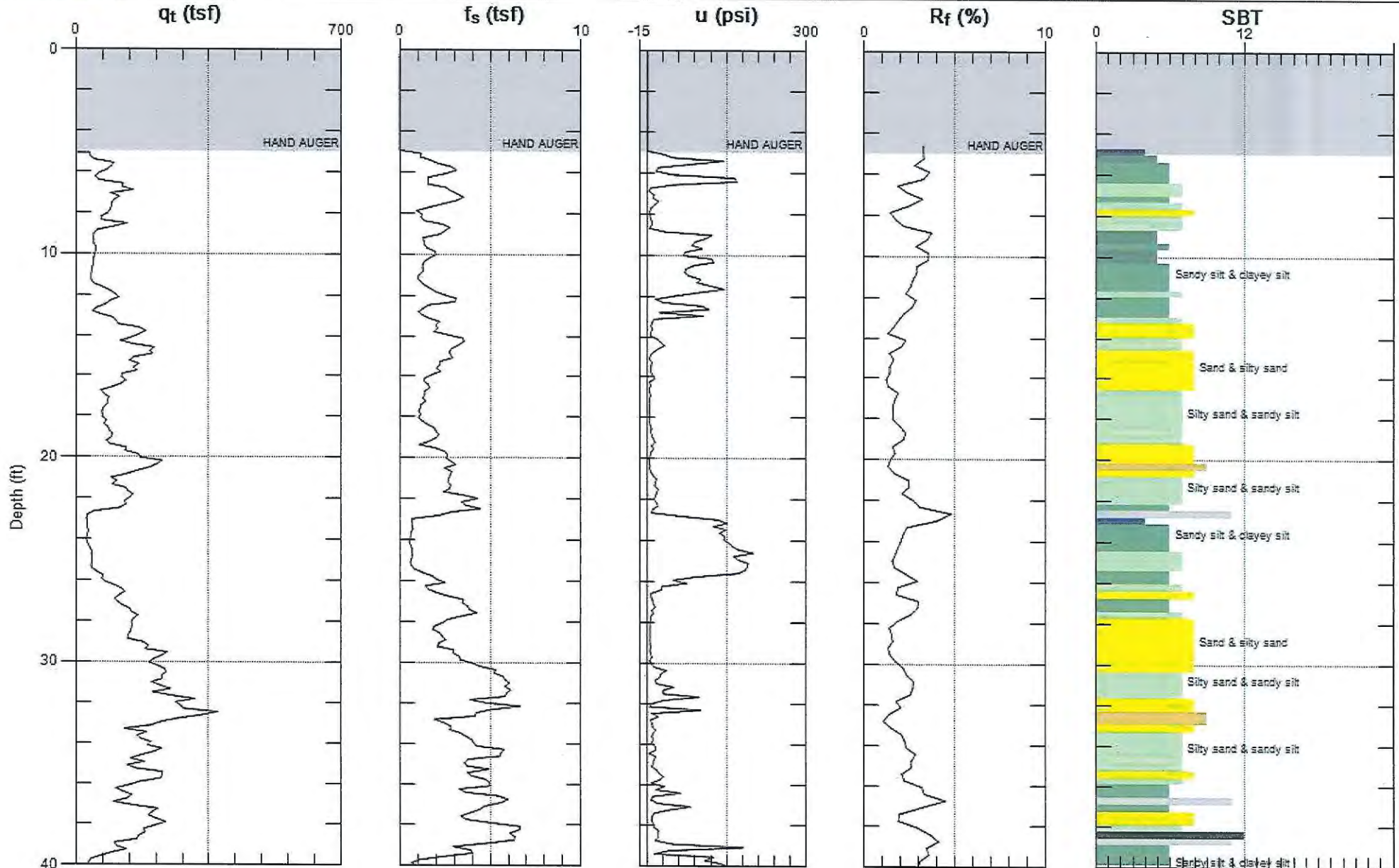
Max. Depth: 42.815 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



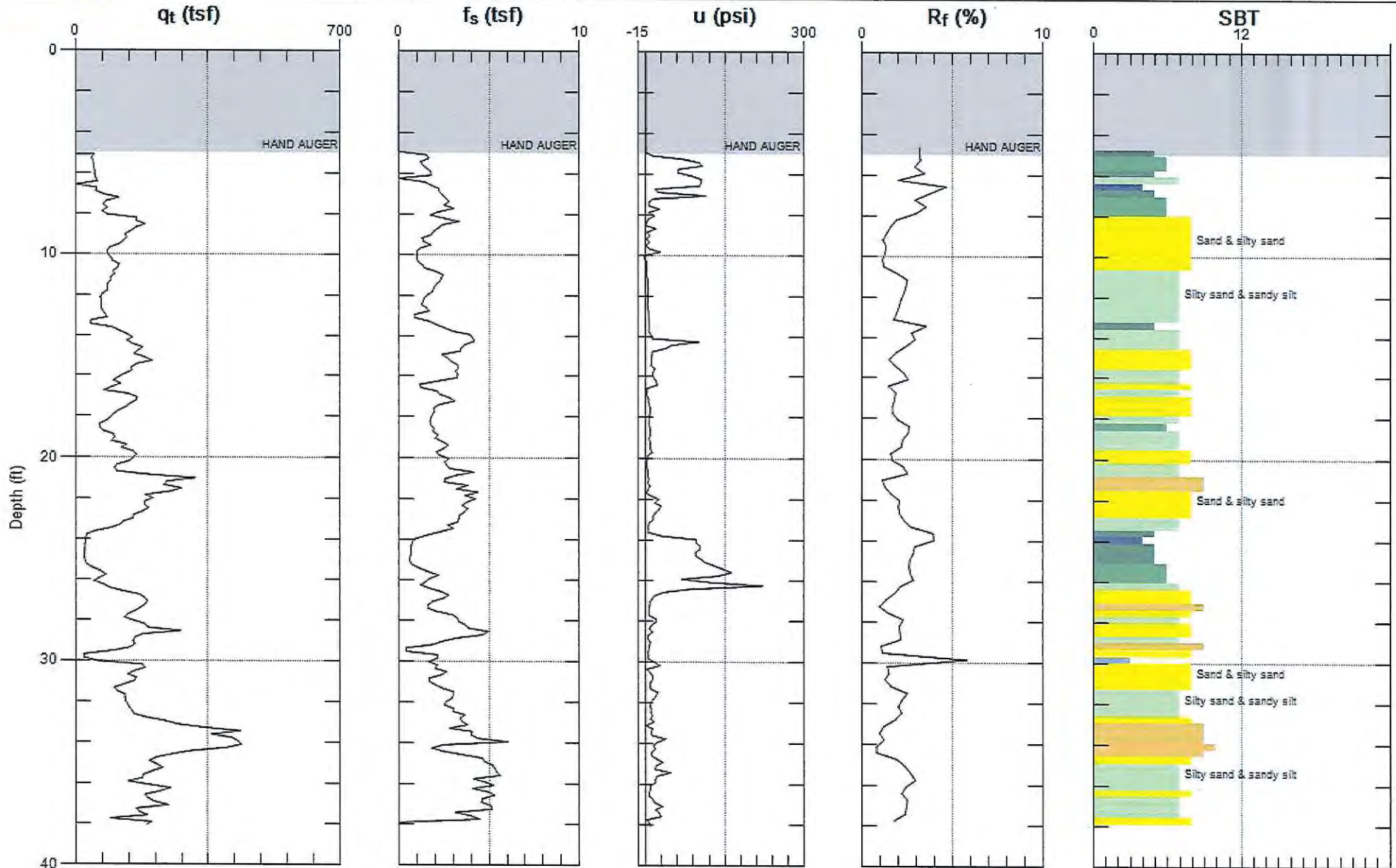
Max. Depth: 42.487 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Max. Depth: 42.487 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Max. Depth: 38.058 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



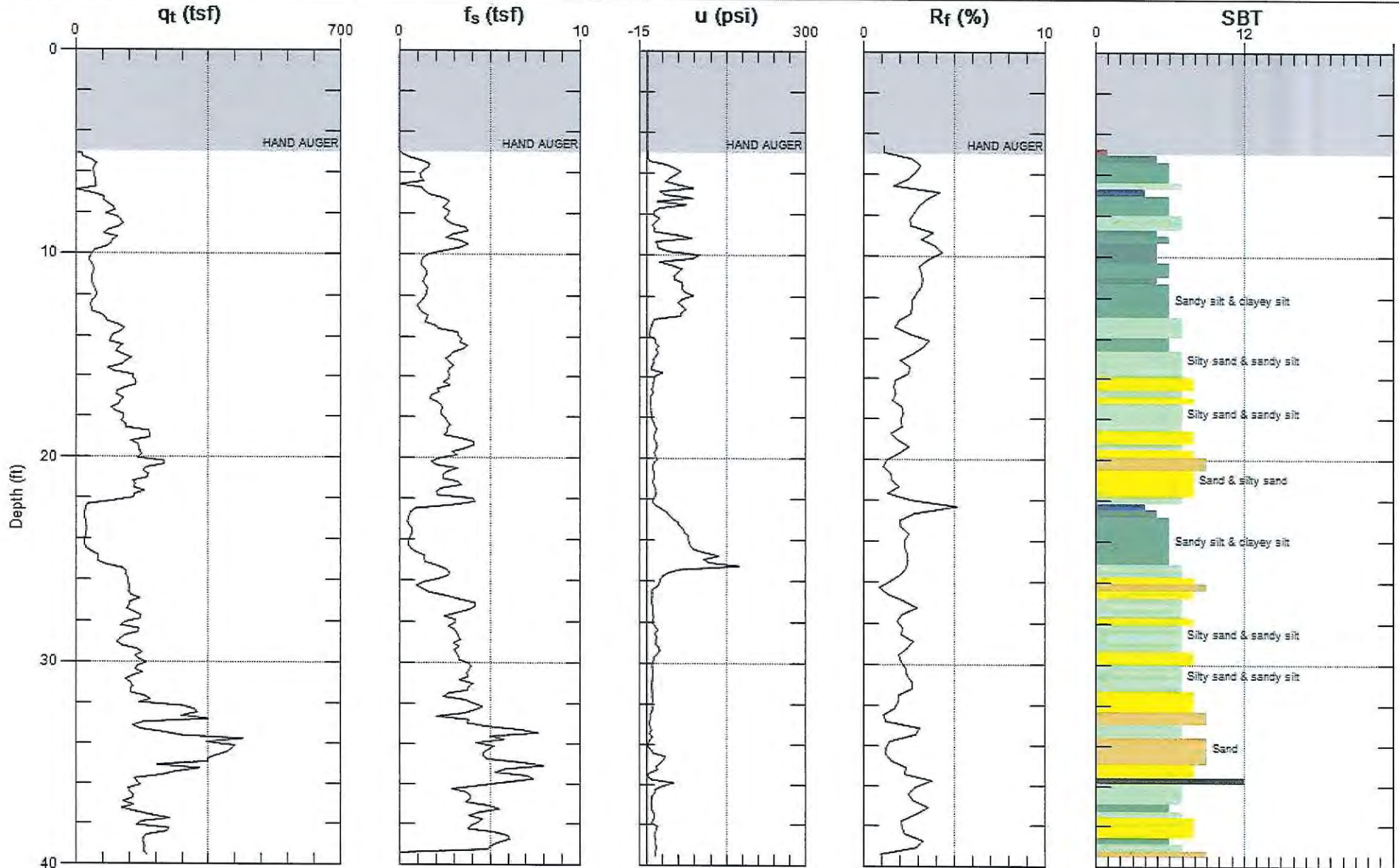
ANTEA GROUP

Site: 76 STATION #2611117

Engineer: J.FILLINGAME

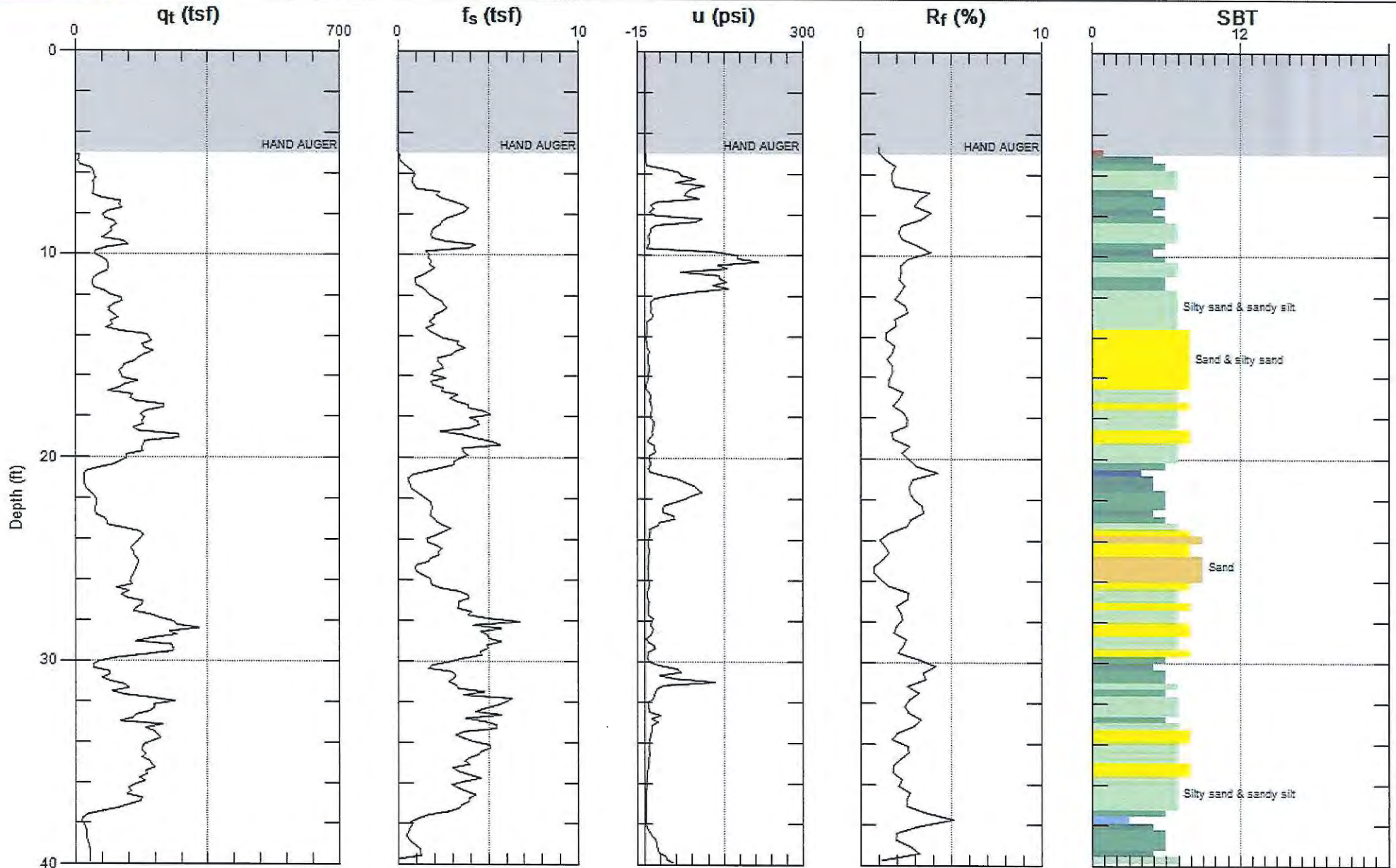
Sounding: CPT-08

Date: 10/15/2013 07:33



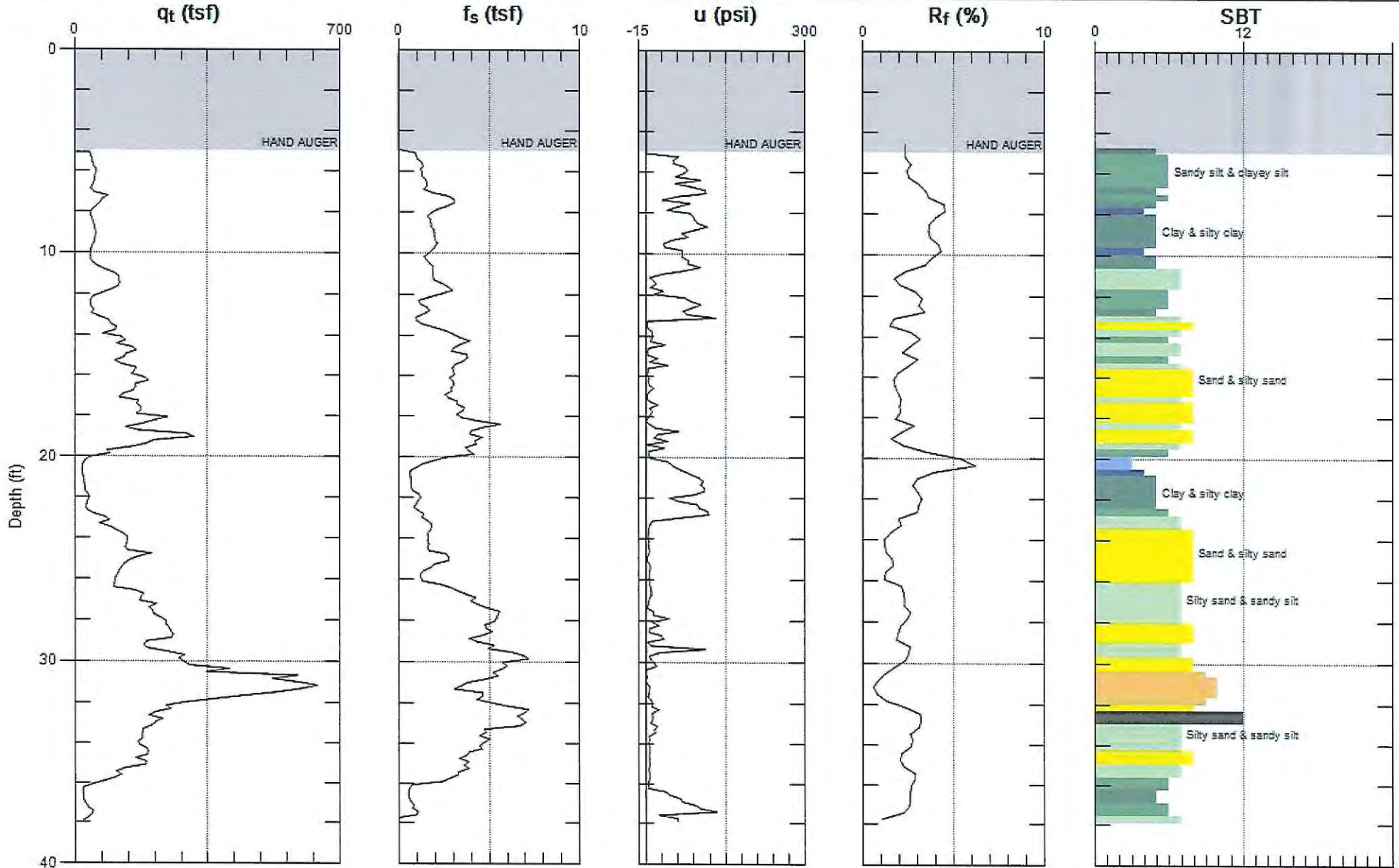
Max. Depth: 39.534 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



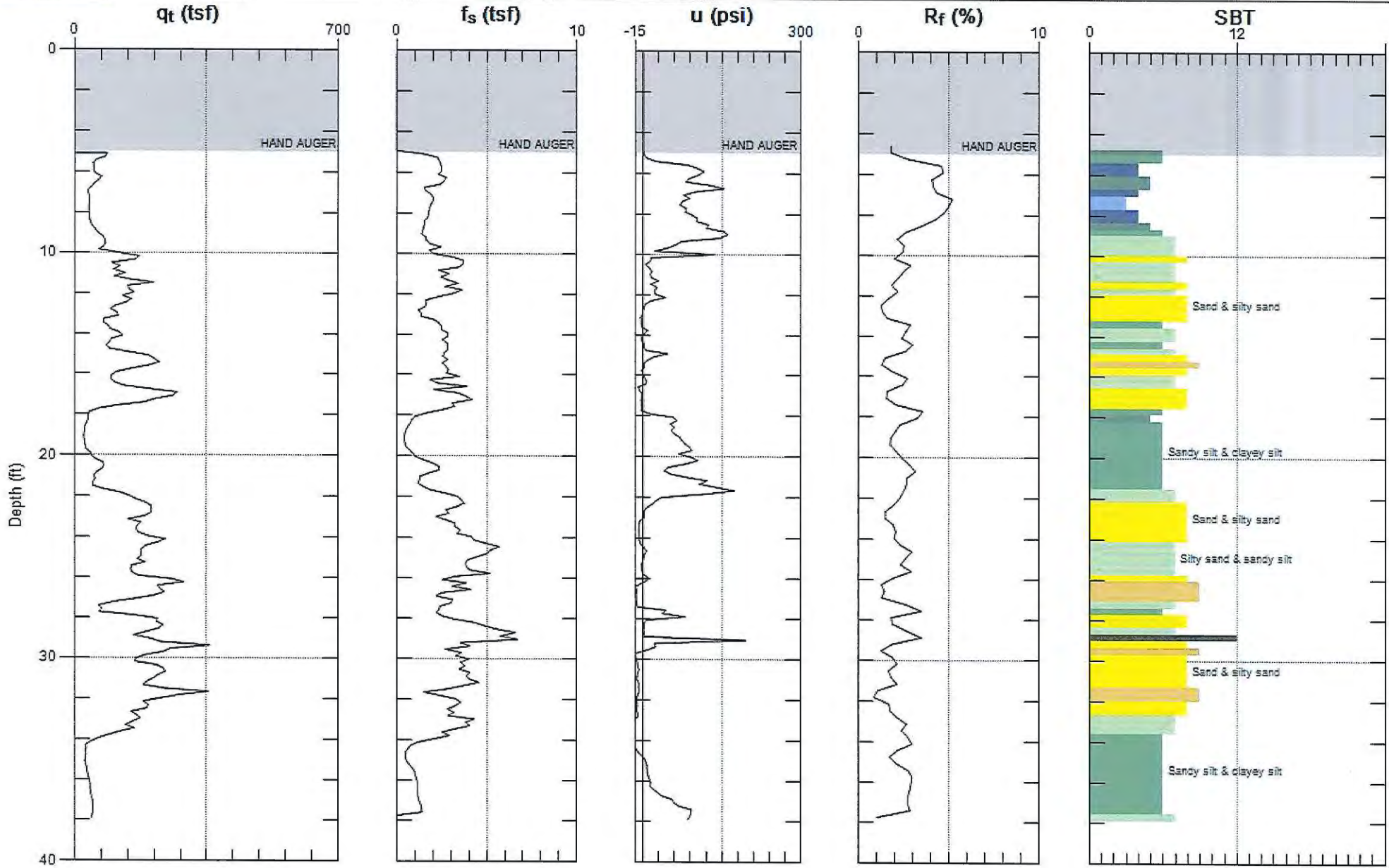
Max. Depth: 39.862 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Max. Depth: 37.894 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Max. Depth: 37.894 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



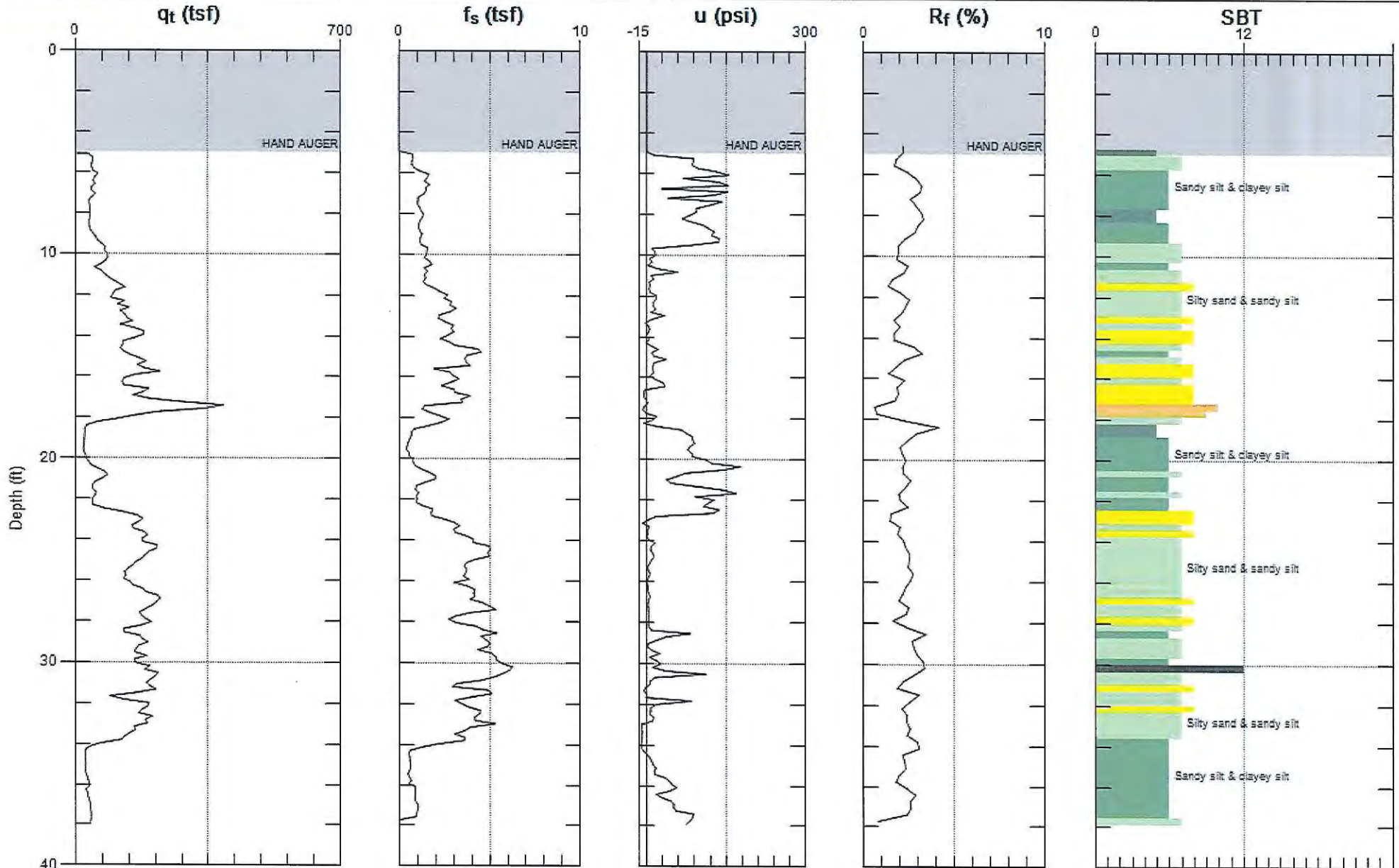
ANTEA GROUP

Site: 76 STATION #2611117

Engineer: J.FILLINGAME

Sounding: CPT-12

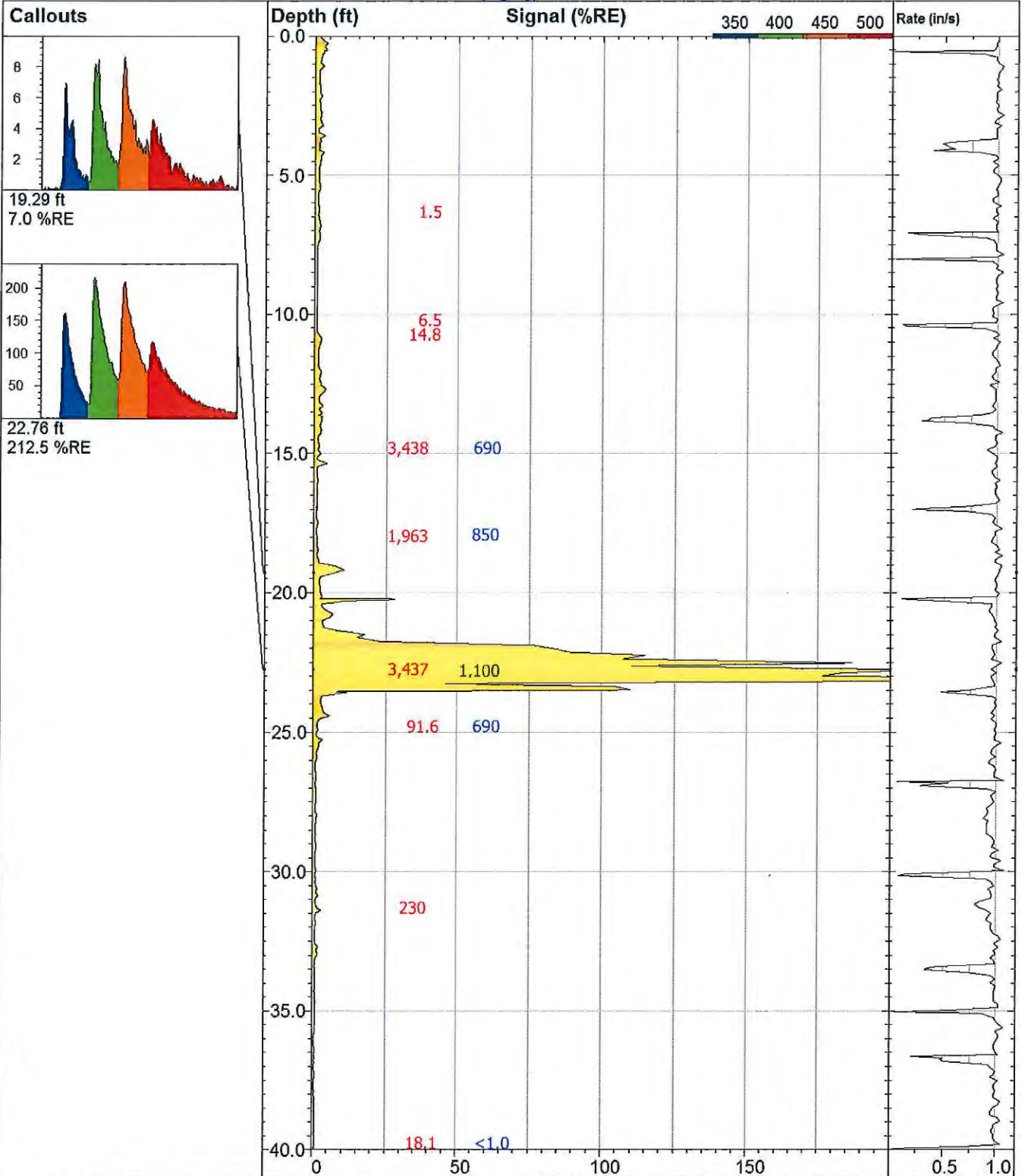
Date: 10/17/2013 11:19



Max. Depth: 37.894 (ft)
Avg. Interval: 0.328 (ft)

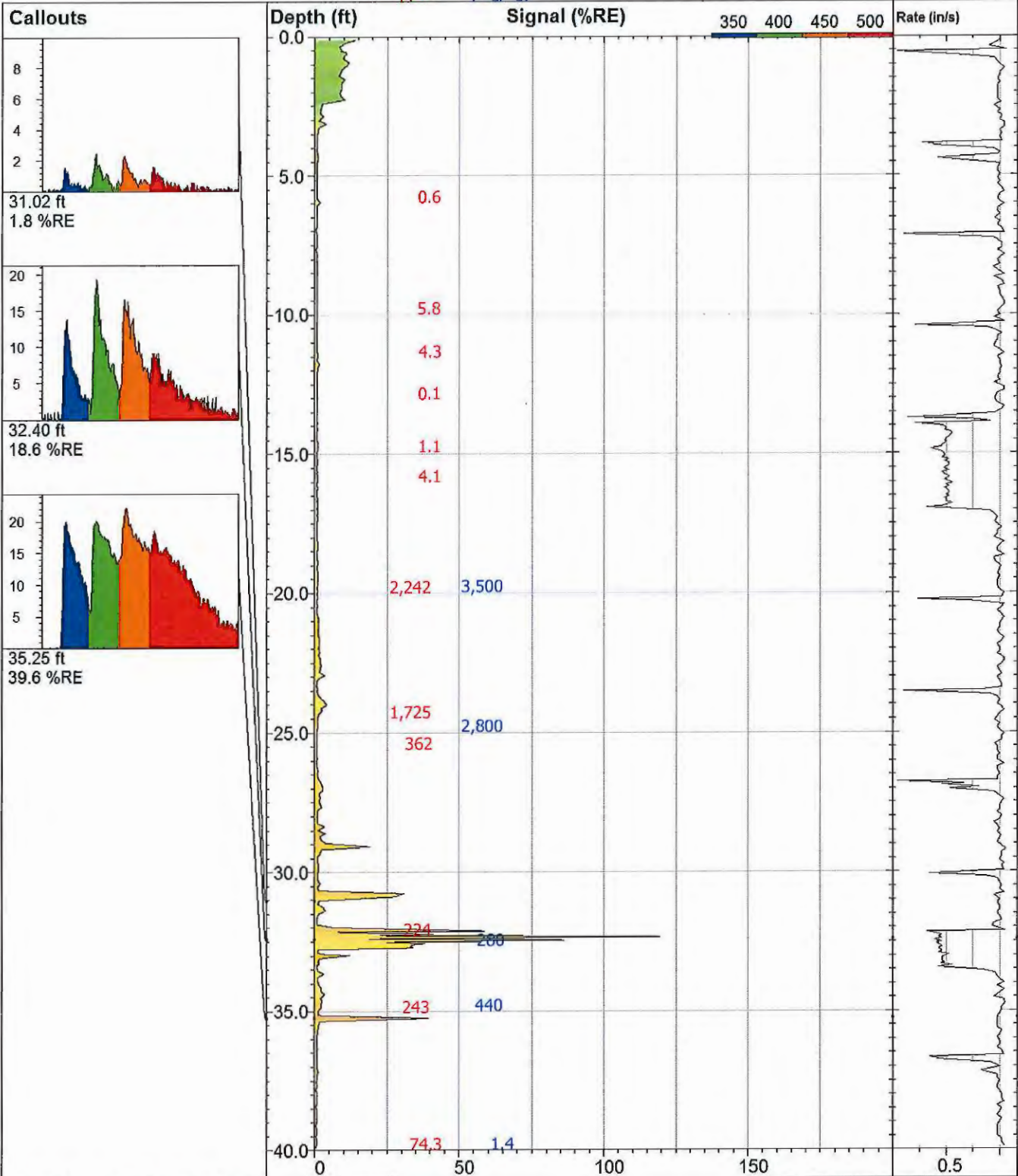
SBT: Soil Behavior Type (Robertson 1990)

PID
ppm TPHg
(mg/kg)



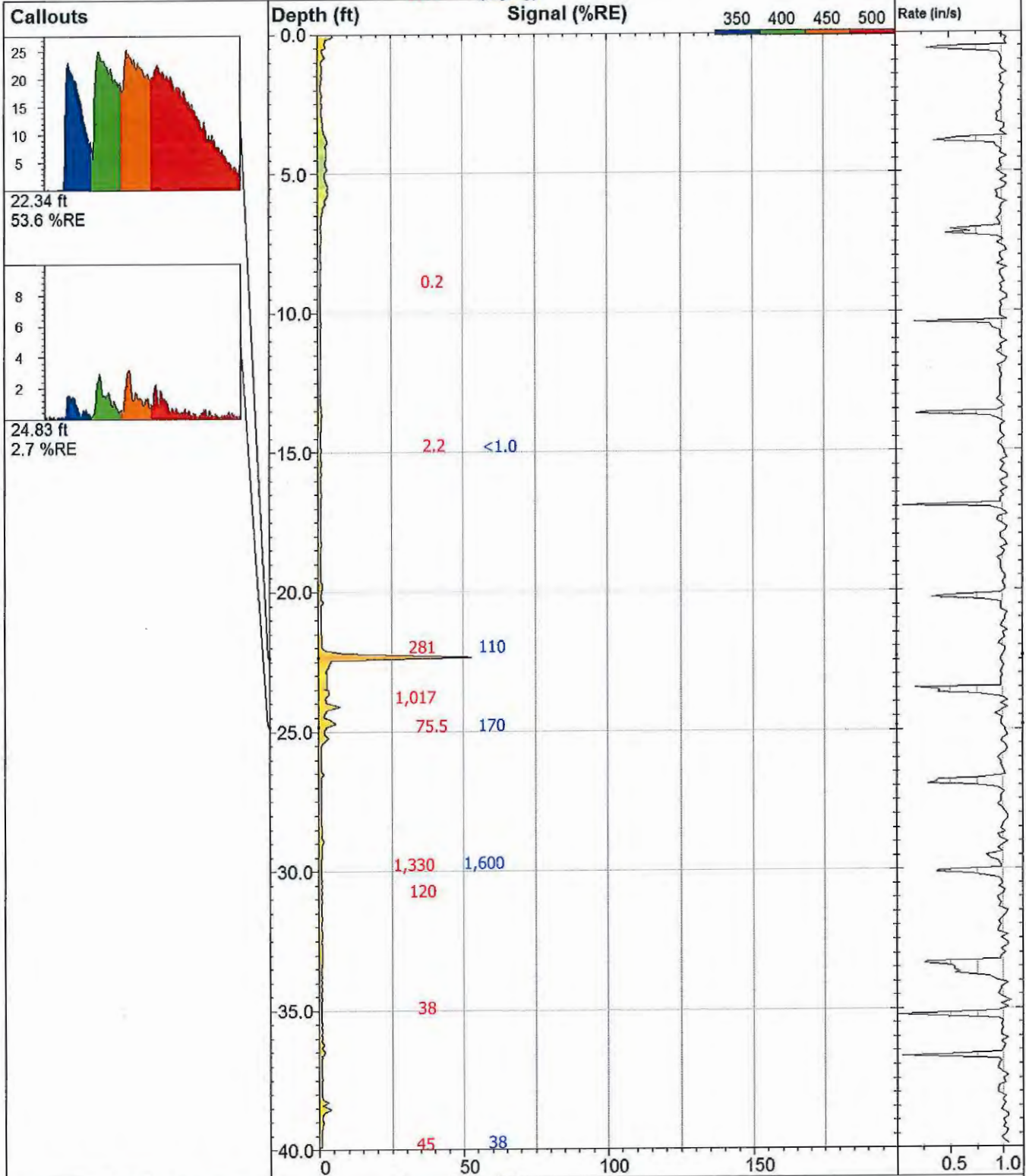
CPT-04		UVOST By Dakota www.DakotaTechnologies.com
Site: 76 Station (Former BP) #26111	Y Coord. (Lat-N) / System: Unavailable / NA	Final depth: 40.07 ft
Client / Job: Antea Group / I42611117	X Coord. (Lng-E) / Fix: Unavailable / NA	Max signal: 304.3 %RE @ 23.12 ft
Operator / Unit: John Hancock / UVOST10	Elevation: Unavailable	Date & Time: 2013-10-14 10:56 PDT

PID
ppm TPHg
(mg/kg)



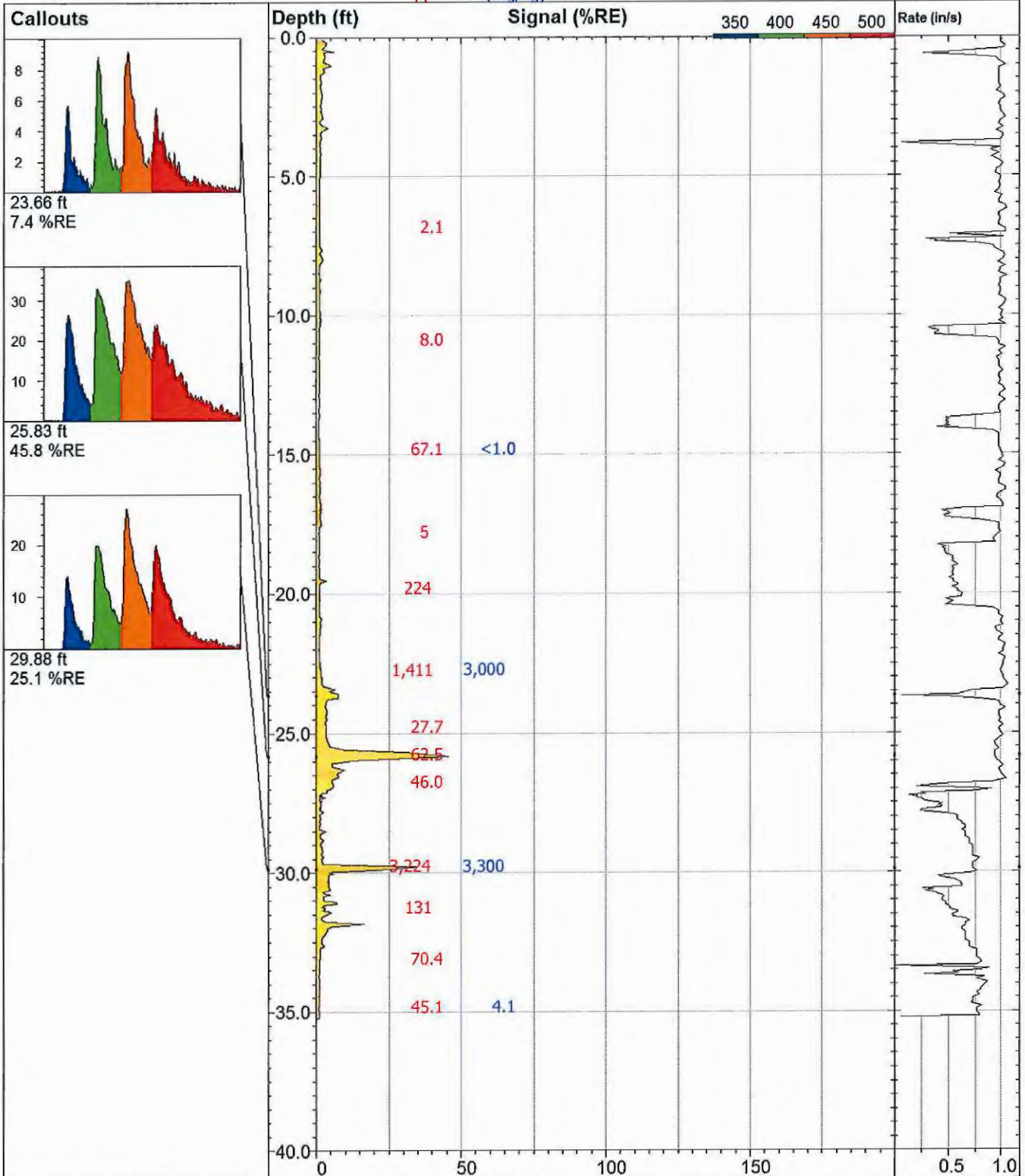
CPT-05		UVOST By Dakota www.DakotaTechnologies.com
Site: 78 Station (Former BP) #26111	Y Coord.(Lat-N) / System: Unavailable / NA	Final depth: 39.89 ft
Client / Job: Antea Group / I42611117	X Coord.(Lng-E) / Fix: Unavailable / NA	Max signal: 123.0 %RE @ 32.34 ft
Operator / Unit: John Hancock / UVOST10	Elevation: Unavailable	Date & Time: 2013-10-14 12:10 PDT

PID
ppm TPHg
(mg/kg)



CPT-06		UVOST By Dakota www.DakotaTechnologies.com
Site: 76 Station (Former BP) #26111	Y Coord.(Lat-N) / System: Unavailable / NA	Final depth: 39.89 ft
Client / Job: Antea Group / I42611117	X Coord.(Lng-E) / Fix: Unavailable / NA	Max signal: 53.6 %RE @ 22.34 ft
Operator / Unit: John Hancock / UVOST10	Elevation: Unavailable	Date & Time: 2013-10-14 13:46 PDT

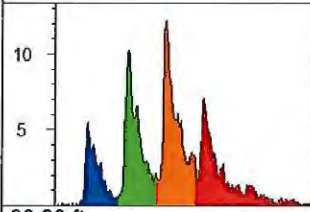
PID ppm TPHg (mg/kg)



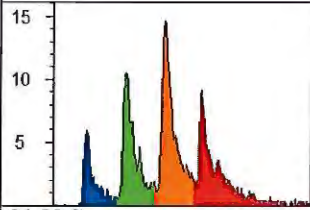
CPT-07		UVOST By Dakota www.DakotaTechnologies.com
Site: 78 Station (Former BP) #26111	Y Coord. (Lat-N) / System: Unavailable / NA	Final depth: 35.23 ft
Client / Job: Antea Group / I42611117	X Coord. (Lng-E) / Fix: Unavailable / NA	Max signal: 45.8 %RE @ 25.83 ft
Operator / Unit: John Hancock / UVOST10	Elevation: Unavailable	Date & Time: 2013-10-14 15:45 PDT

PID
ppm TPHg
(mg/kg)

Callouts



30.26 ft
7.1 %RE

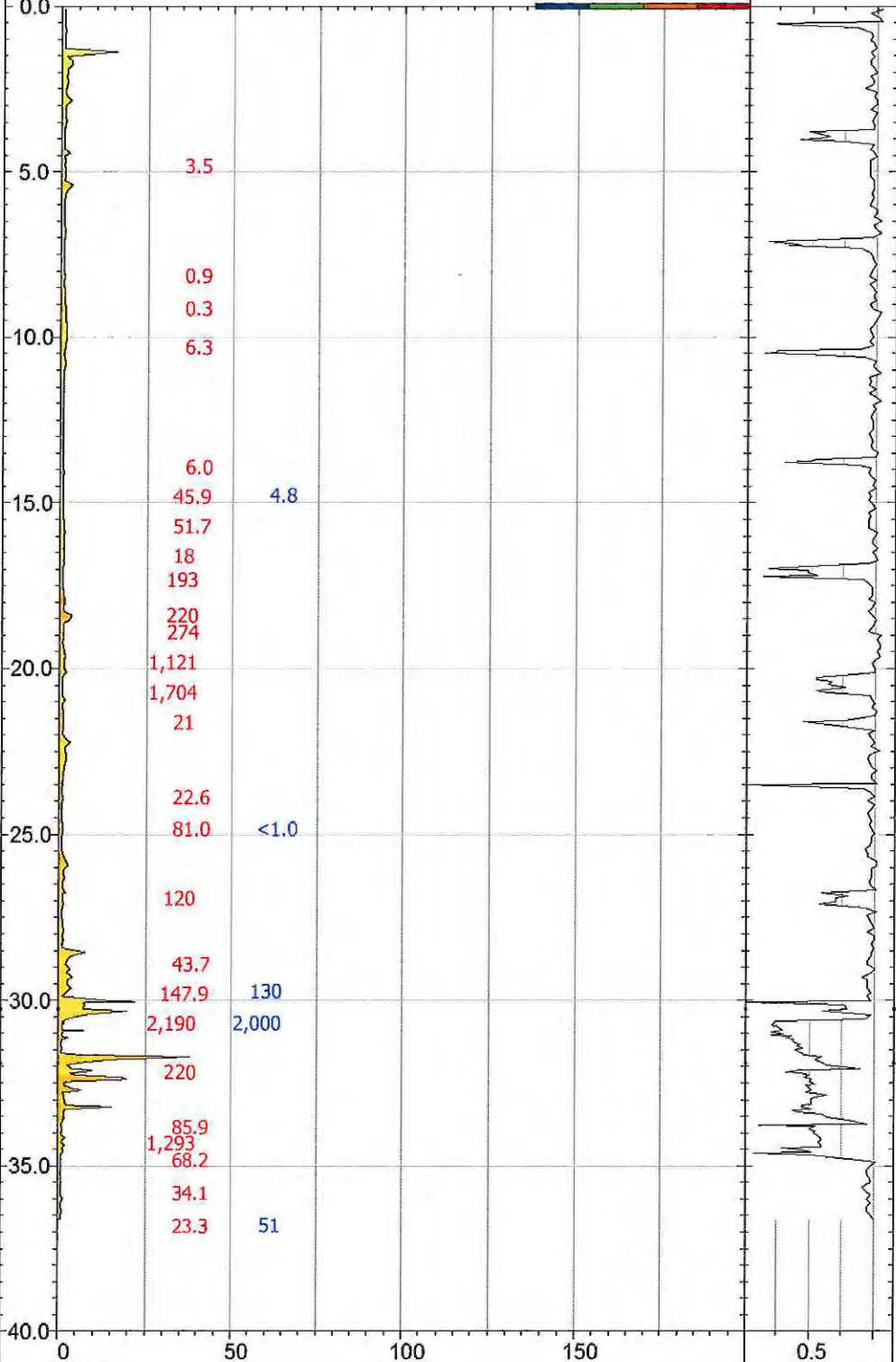


31.88 ft
7.1 %RE

Depth (ft)

Signal (%RE)

350 400 450 500 Rate (in/s)



CPT-08

UVOST By Dakota

www.DakotaTechnologies.com

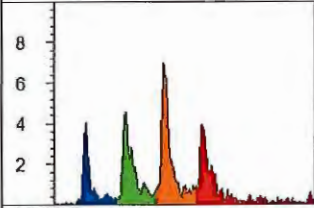
Site:
76 Station #2611117
Client / Job:
Antea Group / I42611117
Operator / Unit:
John Hancock / UVOST10

Y Coord.(Lat-N) / System:
Unavailable / NA
X Coord.(Lng-E) / Fix:
Unavailable / NA
Elevation:
Unavailable

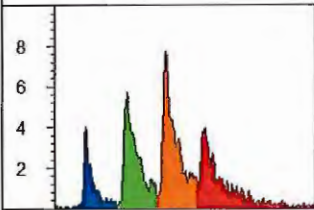
Final depth:
36.61 ft
Max signal:
37.8 %RE @ 31.72 ft
Date & Time:
2013-10-15 11:00 PDT

PID TPHg
ppm (mg/kg)

Callouts



19.62 ft
3.8 %RE



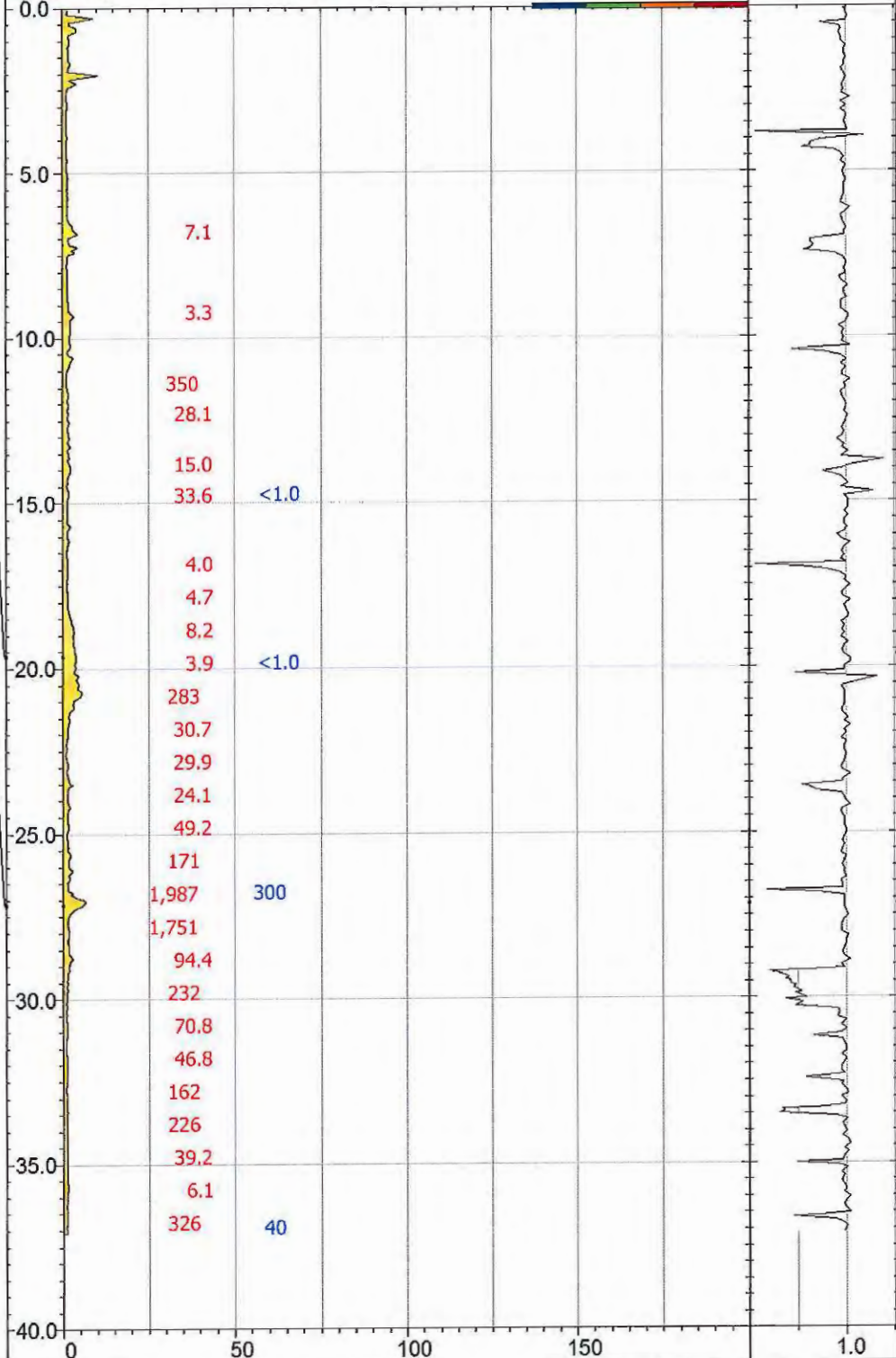
27.17 ft
5.6 %RE

Depth (ft)

Signal (%RE)

350 400 450 500

Rate (in/s)

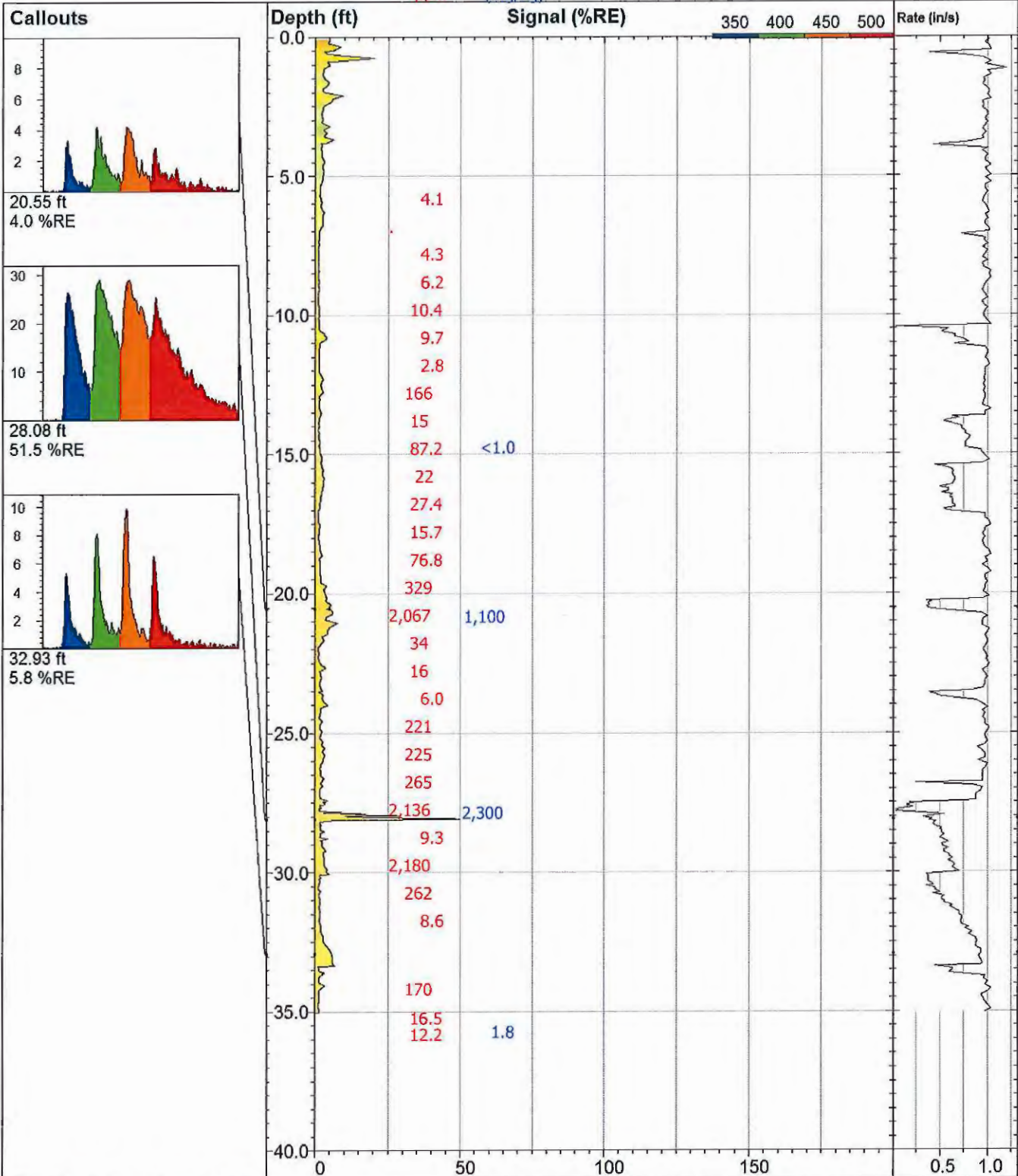


CPT-09

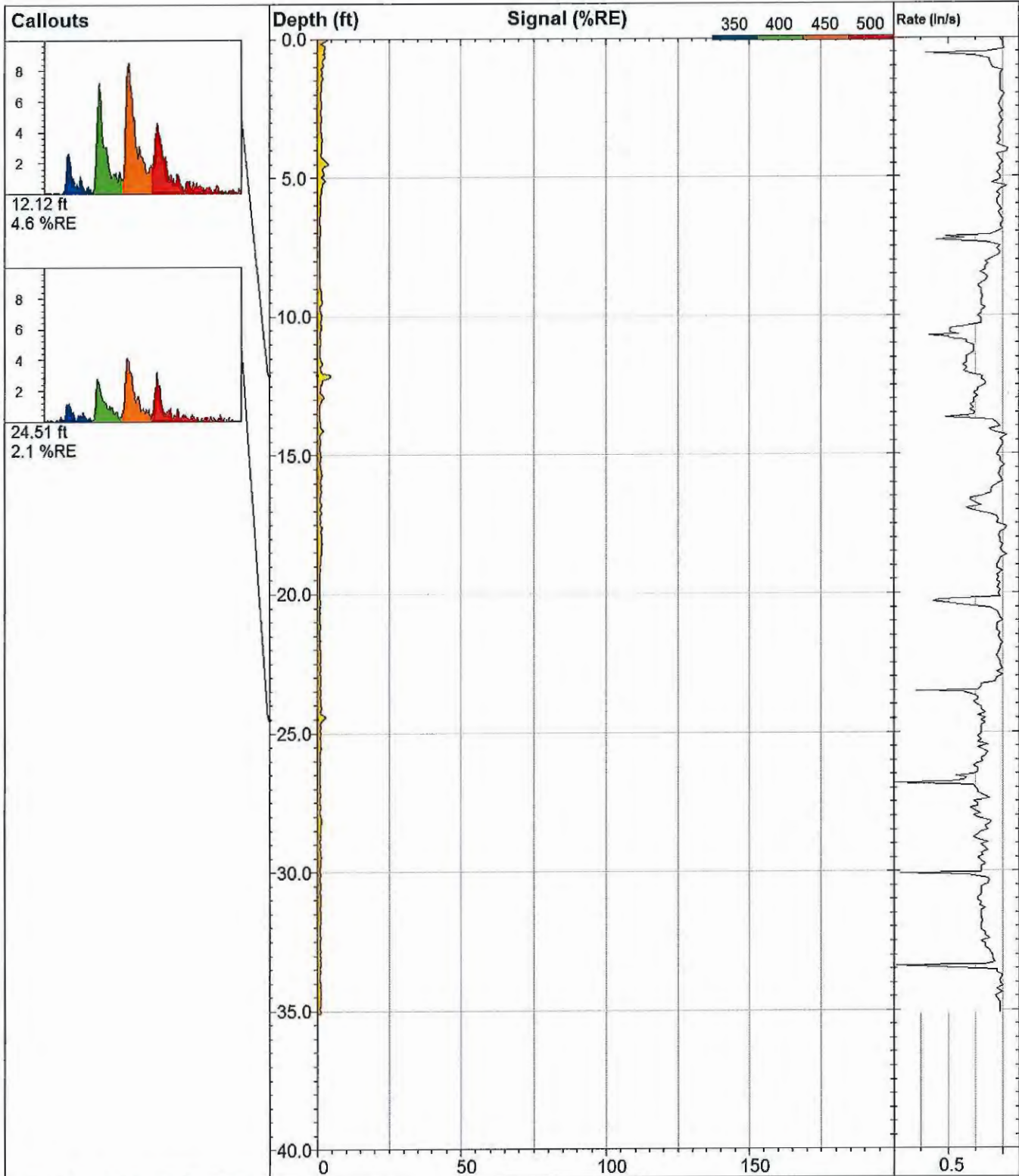
UVOST By Dakota
www.DakotaTechnologies.com

Site: 76 Station #2611117	Y Coord.(Lat-N) / System: Unavailable / NA	Final depth: 37.10 ft
Client / Job: Antea Group / I42611117	X Coord.(Lng-E) / Fix: Unavailable / NA	Max signal: 10.4 %RE @ 2.04 ft
Operator / Unit: John Hancock / UVOST10	Elevation: Unavailable	Date & Time: 2013-10-15 12:11 PDT

PID ppm TPHg (mg/kg)



CPT-10		UVOST By Dakota www.DakotaTechnologies.com
Site: 76 Station #2611117	Y Coord.(Lat-N) / System: Unavailable / NA	Final depth: 35.05 ft
Client / Job: Antea Group / I42611117	X Coord.(Lng-E) / Fix: Unavailable / NA	Max signal: 51.5 %RE @ 28.08 ft
Operator / Unit: John Hancock / UVOST10	Elevation: Unavailable	Date & Time: 2013-10-15 15:49 PDT



CPT-11

UVOST By Dakota
www.DakotaTechnologies.com

Site:
76 Station (former BP) #261111

Client / Job:
Antea Group / I42611117

Operator / Unit:
D. Tidwell / UVOST1009

Y Coord.(Lat-N) / System:
Unavailable / NA

X Coord.(Lng-E) / Fix:
Unavailable / NA

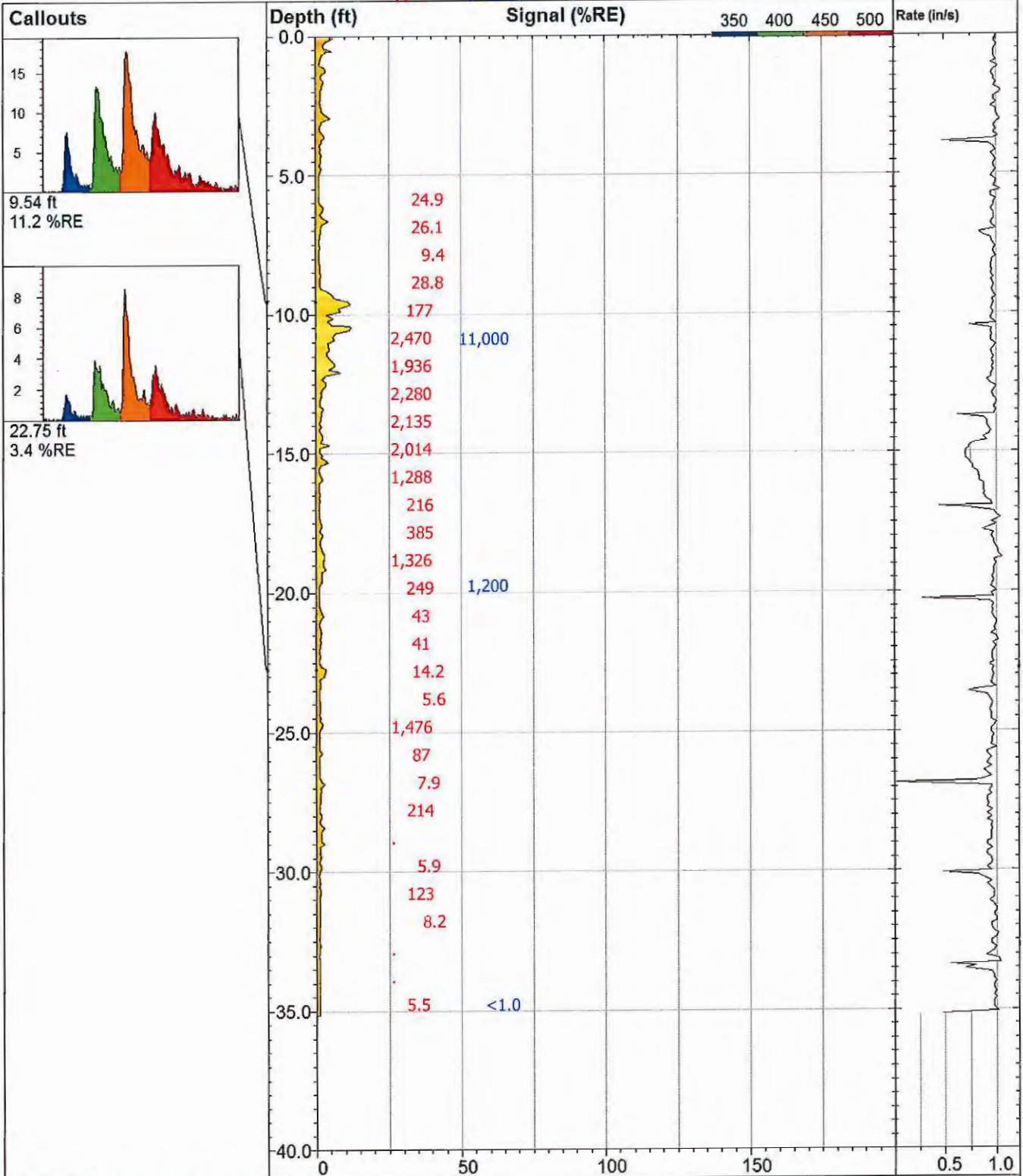
Elevation:
Unavailable

Final depth:
35.11 ft

Max signal:
4.6 %RE @ 12.12 ft

Date & Time:
2013-10-17 08:52 PDT

PID TPHg
ppm (mg/kg)



CPT-12

UVOST By Dakota
www.DakotaTechnologies.com

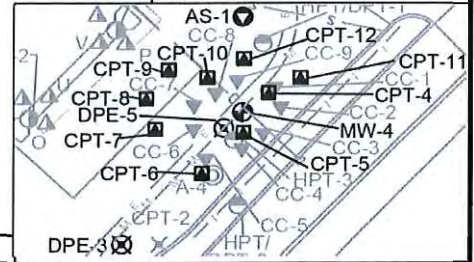
Site: 76 Station (former BP) #261111	Y Coord.(Lat-N) / System: Unavailable / NA	Final depth: 35.15 ft
Client / Job: Antea Group / I42611117	X Coord.(Lng-E) / Fix: Unavailable / NA	Max signal: 12.3 %RE @ 10.47 ft
Operator / Unit: D. Tidwell / UVOST1009	Elevation: Unavailable	Date & Time: 2013-10-17 11:22 PDT



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/16/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 40'

Boring No: CPT-4

Page 1 of 2



▽ First Water Depth: 25'
 ▼ Static Water Depth: 22'

Elevation: Northing: Easting:

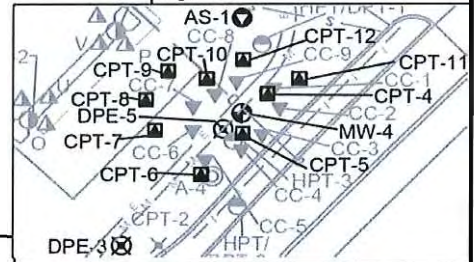
Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION			
Neat Cement	▼			Hand Auger	1				3 inch asphalt			
					2				Silty GRAVEL with Sand (GM) - brown, 60% fine to coarse gravel, 20% silt, 20% fine to coarse sand, dense, moist.			
					3				Lean CLAY (CL) - dark brown, 90% clay, 10% fine to coarse sand, low plasticity, very stiff, moist.			
					4							
						1.5		CPT-4d15	5			SILT (ML) - brown, 100% silt, hard, dry.
							6					
							7					
							8					
							9					SILT (ML) - light brown, 100% silt, hard, dry.
							10					Silty SAND (SM) - brown, grey, 60% fine sand, 40% silt, very dense, dry.
						6.5		CPT-4d18	11			Poorly graded SAND (SP) - brown, 95% fine sand, 5% silt, very dense, moist.
						14.8			12			Well Graded SAND with Gravel (SW) - brown, grey, 80% fine to coarse sand, 20% fine gravel, very dense, dry.
							13					Well Graded SAND with Gravel (SW) - brown, grey, 80% fine to coarse sand, 20% fine to coarse gravel, very dense, dry, hydrocarbon odor.
					reddish pink	3,438			14			Well Graded SAND with Gravel (SW) - brown, grey, green, 60% fine to coarse sand, 35% fine to coarse gravel, 5% silt very dense, dry, hydrocarbon odor.
							15					Well Graded SAND with Gravel (SW) - brown, grey, green, 75% fine to coarse sand, 20% fine to coarse gravel, 5% silt, very dense, dry, hydrocarbon odor.
							16					
							17					
					light pink	1,963			18			SILT with Sand (ML) - brown, 80% silt, 20% fine to medium sand, hard, moist, hydrocarbon odor.
								19			SILT with Sand (ML) - brown with green staining, 80% silt, 20% fine to medium sand, hard, moist, hydrocarbon odor.	
								20				
								21				
								22				



Project No: **I4211117** Client: **COP/ELT**
 Logged By: **Jonathan Fillingame** Location: **7210 Bancroft Avenue**
 Driller: **Cascade Drilling, L.P.** Date Drilled: **8/16/2013**
 Drilling Method: **Direct Push** Hole Diameter: **3"**
 Sampling Method: **Continuous Liners** Hole Depth: **40'**

Boring No: **CPT-5**

Page 1 of 2



▽ First Water Depth: 25'

▼ Static Water Depth: 23'

Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery	Analyzed	Soil Type	LITHOLOGY / DESCRIPTION				
										Backfill	Static Water Level	Sudan Kit Result	PID Reading (ppm)
Neat Cement			0.6	Hand Auger	1				3 inch asphalt				
					2				Silty GRAVEL with Sand (GM) - brown, 60% fine to coarse gravel, 20% silt, 20% fine to coarse sand, dense, moist.				
					3				Lean CLAY (CL) - dark brown, 90% clay, 10% fine to coarse sand, low plasticity, very stiff, moist.				
					4								
					5				SILT (ML) - brown, 100% silt, hard, dry.				
					6								
					7				SILT with Sand (ML) - brown, 80% silt, 20% fine sand, hard, dry.				
					8				Lean CLAY (CL) - brown, 95% clay, 5% fine sand, low plasticity, hard, dry.				
					9				Lean CLAY (CL) - greyish brown, 95% clay, 5% fine sand, low plasticity, hard, dry.				
					10	5.8			Lean CLAY with Sand (CL) - greyish brown, 80% clay, 20% fine sand, low plasticity, hard, dry.				
					11	4.3			Clayey SAND (SC) - brown, 80% fine to medium sand, 20% clay, very dense, moist.				
					12				Lean CLAY with Sand (CL) - same as above				
					13	0.1			Clayey SAND (SC) - brown, 70% fine sand, 30% clay, dense, moist.				
					14				Silty SAND (SM) - grey, 75% fine to coarse, 20% silt, 5% fine gravel, very dense, dry.				
					15	1.1			Sandy SILT (ML) - brown, 70% silt, 30% fine sand, hard, dry.				
					16	4.1			Silty SAND (SM) - grey, reddish orange, brown, green, 75% fine to coarse, 20% silt, 5% fine gravel, very dense, dry.				
					17				Silty SAND (SM) - grey, reddish orange, brown, green, 65% fine to coarse, 20% fine to coarse gravel, 15% silt, very dense, dry.				
					18								
					19				Silty SAND (SM) - grey, reddish orange, brown, green, 65% fine to coarse, 20% fine to coarse gravel, 15% silt, very dense, moist, hydrocarbon odor.				
					20		pink	2,242	CPT-5d20				
					21								
					22								Sandy SILT (ML) - brown, 70% silt, 30% fine sand, very stiff, moist, hydrocarbon odor.



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/16/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 40'

Boring No: CPT-5
 Page 2 of 2



▽ First Water Depth: 25'
 ▼ Static Water Depth: 23'

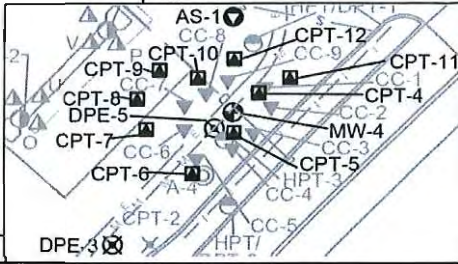
Elevation: Northing: Easting:

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Neat Cement	▼	light pink	1,725	CPT-5d25	23			
			24			Silty SAND (SM) - greyish brown, 85% fine to medium sand, 15% silt, very dense, moist.		
	▽		362		25		Change to 60% fine to coarse sand, 40% silt.	
			26			Poorly Graded SAND (SP) - greyish brown, 95% fine to medium sand, 5% silt, very dense, wet.		
			27			Silty SAND (SM) - greyish brown, 80% fine to medium sand, 15% silt, 5% fine gravel, very dense, wet.		
			28			Silty SAND (SM) - red, green, brown, grey, 80% fine to medium sand, 15% silt, 5% fine gravel, very dense, wet.		
			29			Silty SAND (SM) - red, green, brown, grey, 85% fine to medium sand, 15% silt, very dense, wet.		
			30					
			31					
			32		224	CPT-5d33	Well Graded SAND (SW) - grey, 100% fine to coarse sand, very dense, wet.	
			33					
			34					
			35		243	CPT-5d35	Sandy SILT (ML) - brown, 70% silt, 30% fine to coarse sand, hard, dry.	
			36				Well Graded SAND (SW) - grey, 100% fine to coarse sand, very dense, wet.	
			37					
			38					
	39			Lean CLAY (CL) - Light brown, 90% clay, 10% fine to medium sand, low plasticity, hard, dry.				
	40	74.3	CPT-5d40	Total Depth 40 feet				
				41				
				42				
				43				
				44				



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/16/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 40'

Boring No: CPT-6
 Page 1 of 2



▽ First Water Depth: 24.3'
 ▼ Static Water Depth: 23'

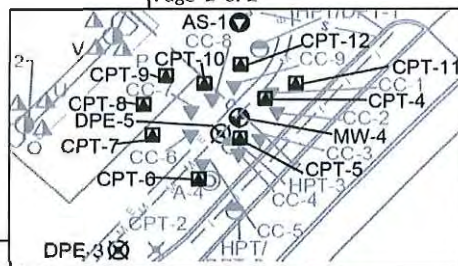
Elevation: Northing: Easting:

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
Backfill									
Neat Cement									
				Hand Auger	1				3 inch asphalt
					2				Silty GRAVEL with Sand (GM) - brown, 60% fine to coarse gravel, 20% silt, 20% fine to coarse sand, dense, moist.
					3				
					4				Lean CLAY (CL) - light brown, 100% clay, low plasticity, very stiff, dry.
			0.2		5				Silty SAND (SM) - brown, 60% fine to coarse sand, 30% silt, 10% fine gravel, very dense, dry.
					6				Sandy SILT (ML) - brown, 80% silt, 20% fine to medium sand, hard, dry.
					7				Sandy SILT (ML) - brown, 70% silt, 20% fine to medium sand, 10% fine gravel, hard, dry.
					8				
					9				Lean CLAY (CL) - grey, 90% clay, 10% fine sand, low plasticity, hard, dry.
					10				
					11				
					12				Lean CLAY (CL) - grey, 70% clay, 30% fine sand, low plasticity, hard, moist.
					13				
		White	2.2	CPT-6d15	14				Clayey SAND (SC) - grey, 80% fine to coarse sand, 15% clay, 5% fine gravel, dry.
					15				
					16				Clayey SAND with Gravel (SC) - grey, 85% fine to coarse sand, 15% fine coarse gravel, dry.
					17				
					18				Clayey SAND with Gravel (SC) - grey, 85% fine to coarse sand, 15% fine coarse gravel, moist.
					19				
					20				
		White	281	CPT-6d22	21				
					22				



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/16/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 40'

Boring No: CPT-6
 Page 2 of 2



▽ First Water Depth: 24.3'
 ▼ Static Water Depth: 23'

Elevation: _____ Northing: _____ Easting: _____

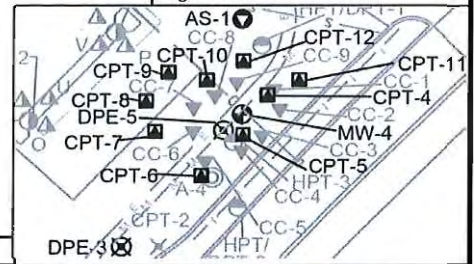
Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION	
Neat Cement	▼	White	1,017	CPT-6d25	23			Sandy SILT (ML) - brown, 70% silt, 30% fine sand, very stiff, moist, hydrocarbon odor.	
	▽		75.5		24		Poorly Graded SAND (SP) - brown, 95% fine sand, 5% silt, dense, wet.		
			very light pink	CPT-6d30	25			Silty SAND (SM) - greyish brown, 80% fine to medium sand, 15% silt, 5% fine gravel, very dense, wet.	
		26				Poorly Graded SAND (SP) - grey, 95% fine sand, 5% silt, dense, wet.			
		27				Well Graded SAND (SW) - grey, 100% fine to coarse sand, dense, wet.			
		28							
			very light pink	45	CPT-6d40	29		Silty SAND (SM) - grey, 80% fine to coarse sand, 15% silt, 5% fine to coarse sand, very dense, wet.	
		30					Well Graded SAND (SW) - grey, 100% fine to coarse sand, dense, wet.		
						31			
						32			
						33			
						34			
						35			Silty SAND (SM) - grey, 70% fine to coarse sand, 20% silt, 10% fine gravel, dense, wet.
						36			
						37			
						38			
						39			Well Graded SAND (SW) - grey, 100% fine to coarse sand, dense, wet.
						40			Total Depth 40 feet
						41			
						42			
					43				
					44				



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/17/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 35'

Boring No: CPT-7

Page 1 of 2



▽ First Water Depth: 25.5'

▼ Static Water Depth: 23'

Elevation: Northing: Easting:

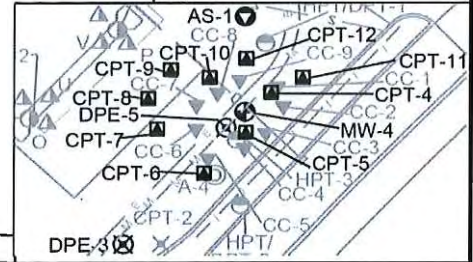
Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
Backfill									
Neat Cement									
				Hand Auger	1				3 inch asphalt
					2				Silty GRAVEL with Sand (GM) - brown, 60% fine to coarse gravel, 20% silt, 20% fine to coarse sand, dense, moist.
					3				Well graded GRAVEL (GW) - brown, grey, 90% fine to coarse gravel, 10% fine to coarse sand, dense, moist.
					4				Lean CLAY (CL) - dark brown, 90% clay, 10% fine to coarse sand, low plasticity, very stiff, moist.
					5				SILT with Sand (ML) - brown, 85% silt, 10% fine to coarse sand, 5% fine gravel, dense, dry.
			2.1		6				
					7				Sandy SILT with Gravel (ML) - brown, 75% silt, 15% fine gravel, 10% fine to coarse sand, dense, dry.
					8				Silty SAND with Gravel (SM) - grey, brown, 60% fine to coarse sand, 20% silt, 20% fine to coarse gravel, dense, dry.
			8.0		9				
					10				
					11				
					12				
					13				
					14				
		White	67.1	CPT-7d15	15				Silty SAND with Gravel (SM) - grey, 60% fine to coarse sand, 20% silt, 20% fine to coarse gravel, dense, dry.
					16				Silty SAND with Gravel (SM) - brown, 60% fine to coarse sand, 20% silt, 20% fine to coarse gravel, dense, dry.
					17				
			5		18				Silty SAND with Gravel (SM) - grey, 60% fine to coarse sand, 20% silt, 20% fine to coarse gravel, dense, dry.
					19				Silty SAND with Gravel (SM) - grey, brown, 60% fine to coarse sand, 20% silt, 20% fine to coarse gravel, dense, dry.
			224		20				
					21				
					22				



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/17/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 35'

Boring No: CPT-7

Page 2 of 2



▽ First Water Depth: 25.5'
 ▼ Static Water Depth: 23'

Elevation: Northing: Easting:

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION	
Neat Cement	▼	pink	1,411	CPT-7d23	23			Sandy SILT (ML) - brown, 60% silt, 40% fine sand, very stiff, moist, hydrocarbon odor.	
			27.7						
			62.5						
		red	46.0			26			Well Graded SAND (SW) - grey, 95% fine to coarse sand, 5% silt, dense, wet, hydrocarbon odor.
						27			
						28			Well Graded SAND (SW) - grey, 95% fine to coarse sand, 5% fine to coarse gravel, dense, wet, hydrocarbon odor.
		white		3,224	CPT-7d30	29			
				131		30			
				70.4		31			
				45.1	CPT-7d35	34			Well Graded SAND (SW) - grey, 95% fine to coarse sand, 5% fine to coarse gravel, dense, wet, hydrocarbon odor.
						35			Total Depth 35 feet
						36			
						37			
						38			
						39			
				40					
				41					
				42					
				43					
				44					



Project No: **I4211117** Client: **COP/ELT**
 Logged By: **Jonathan Fillingame** Location: **7210 Bancroft Avenue**
 Driller: **Cascade Drilling, L.P.** Date Drilled: **8/17/2013**
 Drilling Method: **Direct Push** Hole Diameter: **3"**
 Sampling Method: **Continuous Liners** Hole Depth: **37'**

Boring No: **CPT-8**

Page 1 of 2



▽ First Water Depth: 26.5'

▼ Static Water Depth: 23'

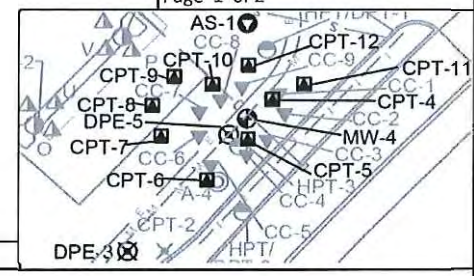
Elevation: _____ Northing: _____ Easting: _____

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery	Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
Neat Cement				Hand Auger	1				5 inch concrete
					1				Pea gravel (FILL)
					2				Silty GRAVEL with Sand (GM) - brown, 60% fine to coarse gravel, 20% silt, 20% fine to coarse sand, dense, moist.
					3				Lean CLAY (CL) - dark brown, 90% clay, 10% fine to coarse sand, low plasticity, very stiff, moist.
					4				Lean CLAY (CL) - brown, 85% clay, 15% fine to coarse sand, low plasticity, very stiff, dry.
					5	3.5			Lean CLAY (CL) - brown, 85% clay, 15% fine to coarse sand, low plasticity, very stiff, dry.
					6				Sandy SILT (ML) - brown to grey, 80% clay, 15% fine to coarse sand, 5% gravel, very stiff, dry.
					7	0.9			Sandy SILT (ML) - brown to grey, 80% clay, 15% fine to coarse sand, 5% gravel, very stiff, dry.
					8				Lean CLAY (CL) - brown, 90% clay, 10% fine to medium sand, low plasticity, stiff, moist.
					9	0.3			Lean CLAY (CL) - brown, 90% clay, 10% fine to medium sand, low plasticity, stiff, moist.
					10	6.3			Lean CLAY (CL) - grey, 90% clay, 10% fine to medium sand, low plasticity, stiff, moist.
					11				Lean CLAY (CL) - grey, 80% clay, 20% fine to medium sand, low plasticity, stiff, moist.
					12	21			Lean CLAY (CL) - grey, 80% clay, 20% fine to medium sand, low plasticity, stiff, moist.
					13				Silty SAND (SM) - brown, grey, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry.
					14	6.0			Silty SAND (SM) - brown, grey, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry.
					15	45.9	CPT-8d15		Silty SAND (SM) - brown, grey, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry.
					16	51.7			Silty SAND (SM) - brown, grey, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry.
					17	18			Silty SAND (SM) - brown, grey, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry.
					18	193			Silty SAND (SM) - brown, grey, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry.
					19	220			Silty SAND (SM) - brown, grey, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry.
					20	274			Silty SAND (SM) - brown, grey, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry.
					21	1,121			Silty SAND (SM) - brown, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry, strong hydrocarbon odor.
22	1,704			Silty SAND (SM) - brown, green, 60% fine to coarse sand, 20% silt, 20% fine gravel, dense, dry, strong hydrocarbon odor.					
			21		Sandy SILT (ML) - brown, 70% silt, 30% fine to medium sand, hard, moist, hydrocarbon odor.				



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/17/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 37'

Boring No: CPT-9
 Page 1 of 2



▽ First Water Depth: 24'
 ▼ Static Water Depth: NA

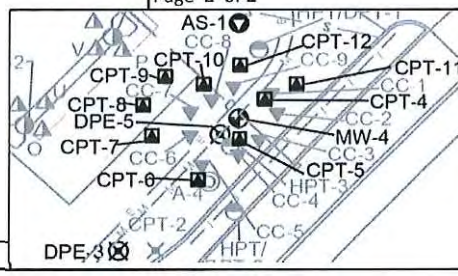
Elevation: Northing: Easting:

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
Backfill									
Neat Cement				Hand Auger	1				5 inch concrete
					2				Pea gravel (FILL)
					3				Silty GRAVEL with Sand (GM) - brown, 60% fine to coarse gravel, 20% silt, 20% fine to coarse sand, dense, moist.
					4				Lean CLAY (CL) - dark brown, 90% clay, 10% fine to coarse sand, low plasticity, very stiff, moist.
					5				Lean CLAY (CL) - brown, 85% clay, 15% fine to coarse sand, low plasticity, very stiff, dry.
					6		7.1		
					7				
					8				Sandy SILT with Gravel (ML) - grey, 60% silt, 30% fine to coarse sand, 10% fine gravel, very stiff, dry.
					9		3.3		Sandy SILT with Gravel (ML) - grey, 60% silt, 30% fine to coarse gravel, 10% fine to coarse sand, very stiff, dry.
					10				
					11		350		
					12		28.1		Sandy SILT with Gravel (ML) - grey, 70% silt, 30% fine to medium gravel, very stiff, dry.
					13				
					14		15.0		
					15		33.6	CPT-9d15	Silty SAND (SM) - grey, 80% fine to medium sand, 20% silt, dense, moist.
					16				Silty SAND (SM) - grey, 75% fine to coarse sand, 15% silt, 10% fine to coarse gravel, dense, moist.
					17		4.0		Silty SAND (SM) - grey, brown, green, 55% fine to coarse sand, 30% fine to coarse gravel, 15% silt, dense, moist.
					18		4.7		
					19		8.2		Silty SAND (SM) - grey, brown, green, 50% fine to coarse sand, 40% silt, 10% fine to coarse gravel, 15% silt, dense, moist.
					20		3.9	CPT-9d20	Sandy SILT with gravel (ML) - grey, 60% silt, 20% fine to coarse sand, 20% fine gravel, very stiff, moist.
					21		283		Sandy SILT (ML) - greenish grey, 80% silt, 20% fine to medium sand, very stiff, moist.
					22		30.7		Sandy SILT (ML) - brown, 80% silt, 20% fine to medium sand, very stiff, moist.



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/17/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 37'

Boring No: CPT-9
 Page 2 of 2



▽ First Water Depth: 24'
 ▼ Static Water Depth: NA

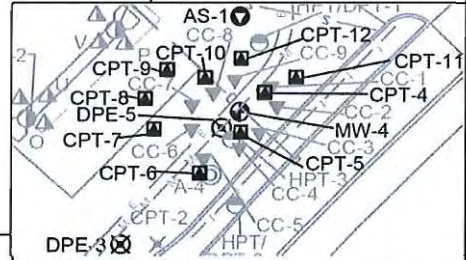
Elevation: Northing: Easting:

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Neat Cement	▽	reddish pink	29.9	CPT-9d27	23			Sandy SILT (ML) - brown, 70% silt, 30% fine to medium sand, very dense, moist, hydrocarbon odor.
			24.1		24		Silty SAND (SM) - brown, 70% fine to medium sand, 30% silt, dense, wet.	
			49.2		25		Well graded SAND (SW) - grey, 100% fine to coarse sand, dense, wet, weak hydrocarbon odor.	
			171.0		26		Well graded SAND (SW) - grey, 95% fine to coarse sand, 5% fine to coarse gravel, dense, wet, strong hydrocarbon odor.	
			1,987		27		Well graded SAND (SW) - grey, 95% fine to coarse sand, 5% fine to coarse gravel, dense, wet, hydrocarbon odor.	
			1,751		28		Well graded SAND (SW) - grey, 85% fine to coarse sand, 10% fine to coarse gravel, 5% silt, dense, wet, hydrocarbon odor.	
			94.4		29		Silty SAND (SM) - grey, 75% fine to coarse sand, 15% silt, 10% fine to coarse gravel, dense, wet, hydrocarbon odor.	
			232		30		Sandy SILT (ML) - reddish brown, 80% silt, 20% fine to medium sand, very stiff, moist.	
			70.8		31		Well graded SAND (SW) - grey, 95% fine to medium sand, 5% silt, dense, wet.	
			46.8		32		Silty SAND (SM) - grey, 50% fine to coarse sand, 30% fine to coarse gravel, 20% silt, very dense, wet.	
			162		33		Silty SAND (SM) - brown, grey, 50% fine to coarse sand, 30% fine to coarse gravel, 20% silt, very dense, wet.	
			226		34		(From 36-37 may be sluff from above, coarse gravel and well graded sand.)	
			39.2		35		Total Depth 37 feet	
			6.1		36			
			326		37			
					38			
					39			
	40							
	41							
	42							
	43							
	44							



Project No: I4211117 **Client:** COP/ELT
Logged By: Jonathan Fillingame **Location:** 7210 Bancroft Avenue
Driller: Cascade Drilling, L.P. **Date Drilled:** 8/18/2013
Drilling Method: Direct Push **Hole Diameter:** 3"
Sampling Method: Continuous Liners **Hole Depth:** 36'

Boring No: CPT-10
 Page 1 of 2



▽ First Water Depth: 24'
 ▼ Static Water Depth: 32.5'

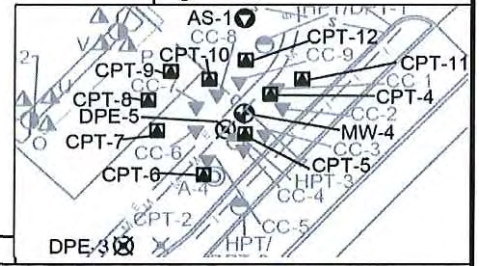
Elevation: **Northing:** **Eastings:**

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Recovery	Soil Type	LITHOLOGY / DESCRIPTION
Backfill								
Neat Cement								
				Hand Auger	1			3 inch asphalt
					2			Silty GRAVEL with Sand (GM) - brown, 60% fine to coarse gravel, 20% silt, 20% fine to coarse sand, dense, dry.
					3			Lean CLAY (CL) - dark brown, 90% clay, 10% fine to coarse sand, low plasticity, very stiff, moist.
			4.1		4			Lean CLAY (CL) - brown, 95% clay, 5% fine sand, low plasticity, very stiff, dry.
					5			Lean CLAY (CL) - brown, 95% clay, 5% fine sand, low plasticity, very stiff, dry.
			4.3		6			Sandy SILT with Gravel (ML) - brown, 60% silt, 40% fine to coarse sand, hard, dry.
			6.2		7			Lean CLAY (CL) - brown with grey spots, 95% clay, 5% fine sand, low plasticity, very stiff, dry.
			10.4		8			color change to greenish grey.
			9.7		9			SILT (ML) - greyish brown, 90% silt, 10% fine sand, hard, moist.
			2.8		10			Silty SAND (SM) - grey, 80% fine to medium sand, 20% silt, very dense, moist.
			166		11			SILT (ML) - greyish brown, 90% silt, 10% fine sand, hard, moist.
			15		12			Silty SAND (SM) - grey, 60% fine to coarse sand, 25% silt, 15% fine gravel, very dense, moist.
		very light pink	87.2	CPT-10d15	13			Silty SAND (SM) - grey, 50% fine to coarse sand, 20% silt, 30% fine to coarse gravel, very dense, moist.
			22		14			(Some green and white pieces of clay in the shape of gravel, appears to be decomposed granite.)
			27.4		15			Silty SAND (SM) - grey, green, brown, 65% fine to coarse sand, 25% silt, 10% fine to coarse gravel, very dense, moist.
			15.7		16			Silty SAND (SM) - grey, green, brown, 50% fine to coarse sand, 20% silt, 30% fine to coarse gravel, very dense, moist.
			76.8		17			Silty SAND (SM) - grey, green, brown, 55% fine to coarse sand, 25% silt, 20% fine to coarse gravel, very dense, moist.
		dark pink	329		18			Silty SAND (SM) - grey, green, brown, 55% fine to coarse sand, 25% silt, 20% fine to coarse gravel, very dense, moist.
			2,067	CPT-10d21	19			SILT (ML) - greyish brown, 90% silt, 10% fine sand, hard, moist, hydrocarbon odor.
			34		20			SILT (ML) - greyish brown, 60% silt, 40% fine to medium sand, hard, moist.
					21			
					22			



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/18/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 36'

Boring No: CPT-10
 Page 2 of 2



▽ First Water Depth: 24'
 ▼ Static Water Depth: 32.5'

Elevation: Northing: Easting:

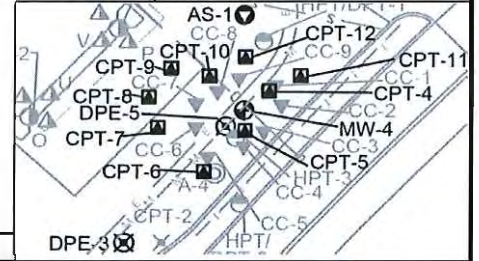
Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill			16		23			
	▽		6.0		24			Silty SAND (SM) - brownish grey, 60% fine to medium sand, 40% silt, dense, moist. Increase sand to 80% fine to coarse sand
			221		25			Well graded SAND (SW) - brownish grey, 95% fine to coarse sand, 5% silt, dense, wet, hydrocarbon odor.
			225		26			Well graded SAND (SW) - brownish grey, 100% fine to medium sand, dense, wet, hydrocarbon odor.
			265		27			Well graded SAND (SW) - brownish grey, 100% fine to coarse sand, dense, wet, hydrocarbon odor.
		red	2,136	CPT-10d28	28			
			9.3		29			
			2,180		30			Silty SAND (SM) - green, grey, 60% fine to coarse sand, 40% silt, very dense, wet, hydrocarbon odor. Change to 30% silt, 10% fine gravel
			262		31			Low grade lithification, hard, moist.
	▼		8.6		32			
					33			no recovery 32 to 34 feet bgs
			170		34			Silty SAND / SANDSTONE (SM) - green, grey, 60% fine to coarse sand, 30% silt, 10% fine gravel, hard, wet.
			16.5		35			
			12.2	CPT-10d36	36			Total Depth 36 feet
					37			
					38			
					39			
					40			
					41			
					42			
					43			
					44			

Neat Cement



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/18/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 36'

Boring No: CPT-12
 Page 1 of 2



▽ First Water Depth: 24'
 ▼ Static Water Depth: 32.5'

Elevation: Northing: Easting:

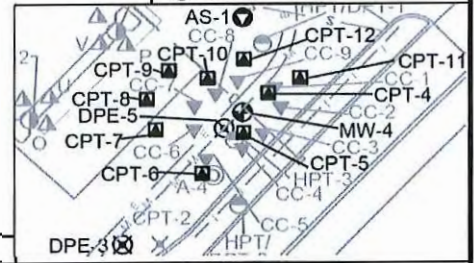
Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
Backfill									
Neat Cement									
				Hand Auger	1				3 inch asphalt
					2				Silty GRAVEL with Sand (GM) - brown, 60% fine to coarse gravel, 20% silt, 20% fine to coarse sand, dense, dry.
					3				Lean CLAY (CL) - dark brown, 90% clay, 10% fine to coarse sand, low plasticity, very stiff, moist.
					4				
			24.9		5				SILT (ML) - brown, 90% silt, 10% fine sand, very stiff, moist.
			26.1		6				
			9.4		7				SILT (ML) - greyish brown, 90% silt, 10% fine sand, very stiff, moist.
			28.8		8				
			177		9				Silty SAND (SM) - brown, 80% fine to medium sand, 20% silt, very dense, moist, hydrocarbon odor.
		red	2,470	CPT-12d11	10				
			1,936		11				Well graded SAND (SW) - brown, 95% fine to coarse, sand, 5% silt, very dense, moist, strong hydrocarbon odor.
			2,280		12				Silty SAND (SM) - brown, 70% fine to coarse sand, 30% silt, very dense, moist, hydrocarbon odor.
			2,135		13				Silty SAND (SM) - brown, 60% fine to coarse sand, 30% silt, 10% fine to coarse gravel, very dense, moist, hydrocarbon odor.
			2,014		14				Silty SAND (SM) - brown, 55% fine to coarse sand, 25% silt, 20% fine to coarse gravel, very dense, moist, hydrocarbon odor.
			1,288		15				
			216		16				Silty SAND (SM) - brown, 55% fine to coarse sand, 25% silt, 20% fine to coarse gravel, very dense, moist, hydrocarbon odor.
			385		17				
			1,326		18				SILT (ML) - brown, grey, 90% silt 10% fine sand, very stiff, moist, hydrocarbon odor.
			249	CPT-12d20	19				SILT (ML) - brown, grey, 60% silt 40% fine sand, very stiff, moist, hydrocarbon odor.
		red	43		20				
			41		21				Silty SAND (SM) - brown, 60% fine sand, 40% silt, dense, moist.
					22				



Project No: I4211117 Client: COP/ELT
 Logged By: Jonathan Fillingame Location: 7210 Bancroft Avenue
 Driller: Cascade Drilling, L.P. Date Drilled: 8/18/2013
 Drilling Method: Direct Push Hole Diameter: 3"
 Sampling Method: Continuous Liners Hole Depth: 35'

Boring No: CPT-12

Page 2 of 2



▽ First Water Depth: 23.5'
 ▼ Static Water Depth: 22'

Elevation: Northing: Easting:

Boring Completion	Static Water Level	Sudan Kit Result	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery Interval	Soil Type	LITHOLOGY / DESCRIPTION
Backfill	▽		14.2		23			Silty SAND (SM) - greyish brown, 60% fine to coarse sand, 40% silt, dense, moist.
			5.6		24			change to wet.
			1,476		25			Well graded SAND (SW) - grey, 100% fine to coarse sand, very dense, wet.
			87		26			
			7.9		27			
			214		28			
			5.9		29			
			123		30			Well graded SAND (SW) - grey, 90% fine to coarse sand, 10% fine gravel, very dense, wet.
			8.2		31			Silty SAND with gravel (SM) - grey, brown, 60% fine to coarse sand, 25% fine to coarse gravel, 15% silt, hard, wet.
					32			
					33			
					34			
		white	5.5	CPT-12d35	35			Silty SAND with gravel (SM) - grey, 70% fine to coarse sand, 15% fine gravel, 15% silt, hard, wet.
					36			Total Depth 35 feet
					37			
					38			
					39			
					40			
					41			
					42			
					43			
					44			

Appendix D

Certified Laboratory Analytical Report and Data Validation Form



Laboratory Results

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

Subject : 35 Soil Samples
Project Name : 2611117
Project Number : I42611117 0001

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 : 35 Soil Samples
Project Name : 2611117
Project Number : I42611117 0001

Case Narrative

This report is being reissued to include Naphthalene results by client request.

Tert-Butanol results for sample CPT-4d40 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (up to 5%) converts to Tert-Butanol during the analysis of soil samples. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 3:1.

Matrix Spike/Matrix Spike Duplicate results some analytes were outside of control limits. This may indicate a bias for the samples that were spiked. Since the LCS recoveries were within control limits, no data are flagged.

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

Some LCS recoveries for Naphthalene were outside control limits.



Report Number : 86315

Date : 11/15/13

Analysis Summary

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

Project Name :2611117
 Project Number : I42611117 0001

Sample Name			CPT-4d15		CPT-4d18		CPT-4d23		CPT-4d25		CPT-4d40		CPT-5d20		CPT-5d25	
Sample Date			10/16/13		10/16/13		10/16/13		10/16/13		10/16/13		10/16/13		10/16/13	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	mg/Kg	0.050	ND	0.15	ND	0.050	3.9	0.025	0.87	0.0050	0.016	0.25	ND	0.050	0.43
Ethylbenzene	EPA 8260B	mg/Kg	0.050	15	0.15	20	0.050	22	0.025	7.7	0.0050	0.0073	0.25	87	0.050	37
Toluene	EPA 8260B	mg/Kg	0.050	ND	0.15	ND	0.25	71	0.025	6.2	0.0050	ND	0.25	0.41	0.050	7.1
Total Xylenes	EPA 8260B	mg/Kg	0.15	70	0.15	83	0.25	120	0.070	44	0.0050	0.029	5.0	370	0.50	310
Diisopropyl ether (DIPE)	EPA 8260B	mg/Kg	0.050	ND	0.15	ND	0.050	ND	0.025	ND	0.0050	ND	0.25	ND	0.050	ND
Ethanol	EPA 8260B	mg/Kg	0.50	ND	1.5	ND	0.50	ND	0.25	ND	0.050	ND	2.5	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	mg/Kg	0.050	ND	0.15	ND	0.050	ND	0.025	ND	0.0050	ND	0.25	ND	0.050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.050	ND	0.15	ND	0.050	ND	0.025	0.051	0.0050	0.041	0.25	ND	0.050	ND
Tert-Butanol	EPA 8260B	mg/Kg	0.25	ND	0.70	ND	0.25	ND	0.15	ND	0.0050	0.0071 J	1.5	ND	0.25	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	mg/Kg	0.050	ND	0.15	ND	0.050	ND	0.025	ND	0.0050	ND	0.25	ND	0.050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	15	690	15	850	25	1100	7.0	490	1.0	ND	500	3500	50	2800
1,2-Dibromoethane	EPA 8260B	mg/Kg	0.050	ND	0.15	ND	0.050	0.088	0.025	ND	0.0050	ND	0.25	ND	0.050	ND
1,2-Dichloroethane	EPA 8260B	mg/Kg	0.050	ND	0.15	ND	0.050	ND	0.025	ND	0.0050	ND	0.25	ND	0.050	ND
Naphthalene	EPA 8260B	mg/Kg	0.050	8.9	0.15	7.8	0.050	5.4	0.070	4.6	0.0050	0.0088	0.25	44	0.050	12
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		99.3		100		87.1		92.8		99.5		95.8		88.1
2-Bromochlorobenzene (Surr)	EPA 8260B	%		96.0		88.9		84.8		83.4				97.9		98.7
4-Bromofluorobenzene (Surr)	EPA 8260B	%		94.5		104		98.3		95.3		96.2		95.8		98.3
Toluene - d8 (Surr)	EPA 8260B	%		102		101		94.9		98.2		101		100		92.7

MRL = Method Reporting Limit

ND = Not Detected



Report Number : 86315

Date : 11/15/13

Analysis Summary

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

Project Name :2611117
 Project Number : I42611117 0001

Sample Name			CPT-5d33		CPT-5d35		CPT-5d40		CPT-6d15		CPT-6d22		CPT-6d25		CPT-6d30	
Sample Date			10/16/13		10/16/13		10/16/13		10/16/13		10/16/13		10/16/13		10/16/13	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	mg/Kg	0.050	ND	0.050	0.086	0.0050	0.0095	0.0050	ND	0.025	ND	0.025	0.055	0.30	1.1
Ethylbenzene	EPA 8260B	mg/Kg	0.050	2.4	0.050	7.6	0.0050	0.12	0.0050	ND	0.025	0.12	0.025	2.5	0.30	33
Toluene	EPA 8260B	mg/Kg	0.050	0.14	0.050	ND	0.0050	0.0064	0.0050	ND	0.025	ND	0.025	0.21	0.30	12
Total Xylenes	EPA 8260B	mg/Kg	0.050	9.0	0.050	14	0.0050	0.39	0.0050	ND	0.025	0.042	0.025	12	0.30	170
Diisopropyl ether (DIPE)	EPA 8260B	mg/Kg	0.050	ND	0.050	ND	0.0050	ND	0.0050	ND	0.025	ND	0.025	ND	0.30	ND
Ethanol	EPA 8260B	mg/Kg	0.50	ND	0.50	ND	0.050	ND	0.050	ND	0.25	ND	0.25	ND	3.0	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	mg/Kg	0.050	ND	0.050	ND	0.0050	ND	0.0050	ND	0.025	ND	0.025	ND	0.30	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.050	ND	0.050	ND	0.0050	0.47	0.0050	ND	0.025	ND	0.025	ND	0.30	ND
Tert-Butanol	EPA 8260B	mg/Kg	0.25	ND	0.25	ND	0.0050	0.44	0.0050	ND	0.15	ND	0.15	ND	1.5	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	mg/Kg	0.050	ND	0.050	ND	0.0050	ND	0.0050	ND	0.025	ND	0.025	ND	0.30	ND
TPH as Gasoline	EPA 8260B	mg/Kg	5.0	280	5.0	440	1.0	1.4	1.0	ND	2.5	110	2.5	170	30	1600
1,2-Dibromoethane	EPA 8260B	mg/Kg	0.050	ND	0.050	ND	0.0050	ND	0.0050	ND	0.025	ND	0.025	ND	0.30	ND
1,2-Dichloroethane	EPA 8260B	mg/Kg	0.050	ND	0.050	ND	0.0050	ND	0.0050	ND	0.025	ND	0.025	ND	0.30	ND
Naphthalene	EPA 8260B	mg/Kg	0.050	1.6	0.050	2.3	0.0050	0.053	0.0050	ND	0.0050	0.11	0.025	1.2	0.30	13
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		97.4		94.9		95.8		101		95.0		96.0		99.4
2-Bromochlorobenzene (Surr)	EPA 8260B	%		93.3		83.9						84.6		83.1		81.2
4-Bromofluorobenzene (Surr)	EPA 8260B	%		96.3		98.2		100		95.1		93.6		95.3		101
Toluene - d8 (Surr)	EPA 8260B	%		100		99.4		98.9		102		103		101		103

MRL = Method Reporting Limit

ND = Not Detected



Analysis Summary

Report Number : 86315

Date : 11/15/13

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

Project Name :2611117
 Project Number : I42611117 0001

Sample Name			CPT-6d40		CPT-7d15		CPT-7d23		CPT-7d30		CPT-7d35		CPT-8d15		CPT-8d25	
Sample Date			10/16/13		10/17/13		10/17/13		10/17/13		10/17/13		10/17/13		10/17/13	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	mg/Kg	0.0050	0.026	0.0050	ND	0.050	2.1	0.50	14	0.0050	0.0061	0.0050	ND	0.0050	0.012
Ethylbenzene	EPA 8260B	mg/Kg	0.0050	0.064	0.0050	ND	0.050	38	0.50	65	0.0050	ND	0.0050	ND	0.0050	0.0069
Toluene	EPA 8260B	mg/Kg	0.0050	0.029	0.0050	ND	0.40	77	0.50	110	0.0050	ND	0.0050	ND	0.0050	ND
Total Xylenes	EPA 8260B	mg/Kg	0.0050	0.32	0.0050	ND	0.40	260	0.50	340	0.0050	0.013	0.0050	ND	0.0050	0.030
Diisopropyl ether (DIPE)	EPA 8260B	mg/Kg	0.0050	ND	0.0050	ND	0.050	ND	0.50	ND	0.0050	ND	0.0050	ND	0.0050	ND
Ethanol	EPA 8260B	mg/Kg	0.050	ND	0.050	ND	0.50	ND	5.0	ND	0.050	ND	0.050	ND	0.050	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	mg/Kg	0.0050	ND	0.0050	ND	0.050	ND	0.50	ND	0.0050	ND	0.0050	ND	0.0050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.0050	0.015	0.0050	ND	0.050	ND	0.50	1.1	0.0050	0.014	0.0050	ND	0.0050	0.066
Tert-Butanol	EPA 8260B	mg/Kg	0.015	0.29	0.0050	ND	0.25	ND	2.5	ND	0.0050	0.63	0.0050	0.0076	0.0050	0.034
Tert-amyl methyl ether (TAME)	EPA 8260B	mg/Kg	0.0050	ND	0.0050	ND	0.050	ND	0.50	ND	0.0050	ND	0.0050	ND	0.0050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	2.5	38	1.0	ND	40	3000	50	3300	1.0	4.1	1.0	4.8	1.0	ND
1,2-Dibromoethane	EPA 8260B	mg/Kg	0.0050	ND	0.0050	ND	0.050	ND	0.50	ND	0.0050	ND	0.0050	ND	0.0050	ND
1,2-Dichloroethane	EPA 8260B	mg/Kg	0.0050	ND	0.0050	ND	0.050	ND	0.50	ND	0.0050	ND	0.0050	ND	0.0050	ND
Naphthalene	EPA 8260B	mg/Kg	0.0050	0.022	0.0050	ND	0.40	23	0.50	28	0.0050	0.015	0.0050	ND	0.0050	0.0090
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		88.8		99.2		87.5		99.3		99.8		97.7		99.9
2-Bromochlorobenzene (Surr)	EPA 8260B	%		93.5				104		102						
4-Bromofluorobenzene (Surr)	EPA 8260B	%		93.6		98.6		103		97.6		95.3		93.0		96.3
Toluene - d8 (Surr)	EPA 8260B	%		101		101		89.0		100		103		102		101

MRL = Method Reporting Limit

ND = Not Detected



Analysis Summary

Report Number : 86315

Date : 11/15/13

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

Project Name :2611117
 Project Number : I42611117 0001

Sample Name			CPT-8d30		CPT-8d31		CPT-8d37		CPT-9d15		CPT-9d20		CPT-9d27		CPT-9d37	
Sample Date			10/17/13		10/17/13		10/17/13		10/17/13		10/17/13		10/17/13		10/17/13	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	mg/Kg	0.025	0.21	0.25	2.3	0.025	0.051	0.0050	ND	0.0050	ND	0.050	0.065	0.0050	0.016
Ethylbenzene	EPA 8260B	mg/Kg	0.025	1.4	0.25	40	0.025	0.29	0.0050	ND	0.0050	ND	0.050	3.0	0.0050	1.2
Toluene	EPA 8260B	mg/Kg	0.025	1.0	0.25	44	0.025	ND	0.0050	ND	0.0050	ND	0.050	0.17	0.0050	0.073
Total Xylenes	EPA 8260B	mg/Kg	0.025	7.2	0.25	220	0.025	0.040	0.0050	ND	0.0050	ND	0.050	14	0.025	1.3
Diisopropyl ether (DIPE)	EPA 8260B	mg/Kg	0.025	ND	0.25	ND	0.025	ND	0.0050	ND	0.0050	ND	0.050	ND	0.0050	ND
Ethanol	EPA 8260B	mg/Kg	0.25	ND	2.5	ND	0.25	ND	0.050	ND	0.050	ND	0.50	ND	0.050	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	mg/Kg	0.025	ND	0.25	ND	0.025	ND	0.0050	ND	0.0050	ND	0.050	ND	0.0050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.025	0.16	0.25	0.30	0.025	ND	0.0050	ND	0.0050	ND	0.050	0.053	0.0050	0.010
Tert-Butanol	EPA 8260B	mg/Kg	0.15	ND	1.5	ND	0.15	0.47	0.0050	0.022	0.0050	0.019	0.25	0.37	0.025	0.32
Tert-amyl methyl ether (TAME)	EPA 8260B	mg/Kg	0.025	ND	0.25	ND	0.025	ND	0.0050	ND	0.0050	ND	0.050	ND	0.0050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	2.5	130	25	2000	2.5	51	1.0	ND	1.0	ND	5.0	300	2.5	40
1,2-Dibromoethane	EPA 8260B	mg/Kg	0.025	ND	0.25	ND	0.025	ND	0.0050	ND	0.0050	ND	0.050	ND	0.0050	ND
1,2-Dichloroethane	EPA 8260B	mg/Kg	0.025	ND	0.25	ND	0.025	ND	0.0050	ND	0.0050	ND	0.050	ND	0.0050	ND
Naphthalene	EPA 8260B	mg/Kg	0.025	0.69	0.25	23	0.025	0.13	0.0050	ND	0.0050	ND	0.050	2.8	0.0050	0.71
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		98.6		100		97.7		101		98.3		98.2		93.7
2-Bromochlorobenzene (Surr)	EPA 8260B	%		80.9		96.0		91.4						88.0		89.4
4-Bromofluorobenzene (Surr)	EPA 8260B	%		99.2		95.8		94.1		95.0		95.6		95.6		103
Toluene - d8 (Surr)	EPA 8260B	%		103		102		103		102		101		102		98.1

MRL = Method Reporting Limit

ND = Not Detected



Report Number : 86315

Date : 11/15/13

Analysis Summary

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

Project Name :2611117
 Project Number : I42611117 0001

Sample Name			CPT-10d15		CPT-10d21		CPT-10d28		CPT-10d36		CPT-12d11		CPT-12d20		CPT-12d35	
Sample Date			10/18/13		10/18/13		10/18/13		10/18/13		10/18/13		10/18/13		10/18/13	
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	0.15	ND	0.40	0.43	0.0050	ND	0.50	ND	0.10	0.33	0.0050	ND
Ethylbenzene	EPA 8260B	mg/Kg	0.0050	ND	0.15	23	0.40	35	0.0050	ND	0.50	230	0.10	31	0.0050	ND
Toluene	EPA 8260B	mg/Kg	0.0050	ND	0.15	ND	0.40	0.56	0.0050	ND	0.50	3.3	0.10	0.76	0.0050	ND
Total Xylenes	EPA 8260B	mg/Kg	0.0050	ND	0.15	45	0.40	99	0.0050	0.0086	2.5	1300	0.50	130	0.0050	ND
Diisopropyl ether (DIPE)	EPA 8260B	mg/Kg	0.0050	ND	0.15	ND	0.40	ND	0.0050	ND	0.50	ND	0.10	ND	0.0050	ND
Ethanol	EPA 8260B	mg/Kg	0.050	ND	1.5	ND	4.0	ND	0.050	ND	5.0	ND	1.0	ND	0.050	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	mg/Kg	0.0050	ND	0.15	ND	0.40	ND	0.0050	ND	0.50	ND	0.10	ND	0.0050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.0050	ND	0.15	ND	0.40	ND	0.0050	ND	0.50	ND	0.10	ND	0.0050	ND
Tert-Butanol	EPA 8260B	mg/Kg	0.0050	0.024	0.70	ND	2.0	ND	0.0050	0.24	2.5	ND	0.50	ND	0.0050	0.17
Tert-amyl methyl ether (TAME)	EPA 8260B	mg/Kg	0.0050	ND	0.15	ND	0.40	ND	0.0050	ND	0.50	ND	0.10	ND	0.0050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	1.0	ND	25	1100	40	2300	1.0	1.8	250	11000	50	1200	1.0	ND
1,2-Dibromoethane	EPA 8260B	mg/Kg	0.0050	ND	0.15	ND	0.40	ND	0.0050	ND	0.50	ND	0.10	ND	0.0050	ND
1,2-Dichloroethane	EPA 8260B	mg/Kg	0.0050	ND	0.15	ND	0.40	ND	0.0050	ND	0.50	ND	0.10	ND	0.0050	ND
Naphthalene	EPA 8260B	mg/Kg	0.0050	ND	0.15	28	0.40	17	0.0050	0.019	2.5	85	0.10	14	0.0050	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		97.5		97.3		93.0		104		98.2		97.7		101
2-Bromochlorobenzene (Surr)	EPA 8260B	%				98.8		87.0				99.3		90.9		
4-Bromofluorobenzene (Surr)	EPA 8260B	%		96.9		94.3		100		95.4		100		94.2		94.2
Toluene - d8 (Surr)	EPA 8260B	%		101		101		102		103		102		101		102

MRL = Method Reporting Limit

ND = Not Detected

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-4d15**

Matrix : Soil

Lab Number : 86315-01

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
Toluene	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
Ethylbenzene	15	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
Total Xylenes	70	0.15	mg/Kg	EPA 8260B	10/22/13 15:18
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
Diisopropyl ether (DIPE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
Tert-amyl methyl ether (TAME)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
Tert-Butanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 00:51
Ethanol	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 00:51
TPH as Gasoline	690	15	mg/Kg	EPA 8260B	10/22/13 15:18
1,2-Dichloroethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
1,2-Dibromoethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
Naphthalene	8.9	0.050	mg/Kg	EPA 8260B	10/22/13 00:51
1,2-Dichloroethane-d4 (Surr)	99.3		% Recovery	EPA 8260B	10/22/13 00:51
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/22/13 00:51
2-Bromochlorobenzene (Surr)	96.0		% Recovery	EPA 8260B	10/22/13 00:51
4-Bromofluorobenzene (Surr)	94.5		% Recovery	EPA 8260B	10/22/13 00:51

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-4d18**

Matrix : Soil

Lab Number : 86315-02

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.15	0.15	mg/Kg	EPA 8260B	10/25/13 12:20
Toluene	< 0.15	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
Ethylbenzene	20	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
Total Xylenes	83	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
Methyl-t-butyl ether (MTBE)	< 0.15	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
Diisopropyl ether (DIPE)	< 0.15	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
Ethyl-t-butyl ether (ETBE)	< 0.15	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
Tert-amyl methyl ether (TAME)	< 0.15	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
Tert-Butanol	< 0.70	0.70	mg/Kg	EPA 8260B	10/22/13 13:32
Ethanol	< 1.5	1.5	mg/Kg	EPA 8260B	10/22/13 13:32
TPH as Gasoline	850	15	mg/Kg	EPA 8260B	10/22/13 13:32
1,2-Dichloroethane	< 0.15	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
1,2-Dibromoethane	< 0.15	0.15	mg/Kg	EPA 8260B	10/22/13 13:32
Naphthalene	7.8	0.15	mg/Kg	EPA 8260B	10/25/13 12:20
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	10/22/13 13:32
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/22/13 13:32
2-Bromochlorobenzene (Surr)	88.9		% Recovery	EPA 8260B	10/22/13 13:32
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	10/25/13 12:20

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-4d23**

Matrix : Soil

Lab Number : 86315-03

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	3.9	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
Toluene	71	0.25	mg/Kg	EPA 8260B	10/23/13 11:37
Ethylbenzene	22	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
Total Xylenes	120	0.25	mg/Kg	EPA 8260B	10/23/13 11:37
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
Diisopropyl ether (DIPE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
Tert-amyl methyl ether (TAME)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
Tert-Butanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 09:48
Ethanol	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 09:48
TPH as Gasoline	1100	25	mg/Kg	EPA 8260B	10/23/13 11:37
1,2-Dichloroethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
1,2-Dibromoethane	0.088	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
Naphthalene	5.4	0.050	mg/Kg	EPA 8260B	10/22/13 09:48
1,2-Dichloroethane-d4 (Surr)	87.1		% Recovery	EPA 8260B	10/22/13 09:48
Toluene - d8 (Surr)	94.9		% Recovery	EPA 8260B	10/22/13 09:48
2-Bromochlorobenzene (Surr)	84.8		% Recovery	EPA 8260B	10/22/13 09:48
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	10/22/13 09:48

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-4d25**

Matrix : Soil

Lab Number : 86315-04

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.87	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
Toluene	6.2	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
Ethylbenzene	7.7	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
Total Xylenes	44	0.070	mg/Kg	EPA 8260B	10/22/13 14:39
Methyl-t-butyl ether (MTBE)	0.051	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
Diisopropyl ether (DIPE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
Ethyl-t-butyl ether (ETBE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
Tert-amyl methyl ether (TAME)	< 0.025	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
Tert-Butanol	< 0.15	0.15	mg/Kg	EPA 8260B	10/22/13 00:12
Ethanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 00:12
TPH as Gasoline	490	7.0	mg/Kg	EPA 8260B	10/22/13 14:39
1,2-Dichloroethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
1,2-Dibromoethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/22/13 00:12
Naphthalene	4.6	0.070	mg/Kg	EPA 8260B	10/22/13 14:39
1,2-Dichloroethane-d4 (Surr)	92.8		% Recovery	EPA 8260B	10/22/13 00:12
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	10/22/13 00:12
2-Bromochlorobenzene (Surr)	83.4		% Recovery	EPA 8260B	10/22/13 00:12
4-Bromofluorobenzene (Surr)	95.3		% Recovery	EPA 8260B	10/22/13 14:39

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-4d40**

Matrix : Soil

Lab Number : 86315-05

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.016	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Ethylbenzene	0.0073	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Total Xylenes	0.029	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Methyl-t-butyl ether (MTBE)	0.041	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Tert-Butanol	0.0071 J	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/21/13 19:23
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/21/13 19:23
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
Naphthalene	0.0088	0.0050	mg/Kg	EPA 8260B	10/21/13 19:23
1,2-Dichloroethane-d4 (Surr)	99.5		% Recovery	EPA 8260B	10/21/13 19:23
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/21/13 19:23
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	10/21/13 19:23

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-5d20**

Matrix : Soil

Lab Number : 86315-06

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
Toluene	0.41	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
Ethylbenzene	87	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
Total Xylenes	370	5.0	mg/Kg	EPA 8260B	10/24/13 11:14
Methyl-t-butyl ether (MTBE)	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
Diisopropyl ether (DIPE)	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
Ethyl-t-butyl ether (ETBE)	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
Tert-amyl methyl ether (TAME)	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
Tert-Butanol	< 1.5	1.5	mg/Kg	EPA 8260B	10/22/13 13:25
Ethanol	< 2.5	2.5	mg/Kg	EPA 8260B	10/22/13 13:25
TPH as Gasoline	3500	500	mg/Kg	EPA 8260B	10/24/13 11:14
1,2-Dichloroethane	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
1,2-Dibromoethane	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
Naphthalene	44	0.25	mg/Kg	EPA 8260B	10/22/13 13:25
1,2-Dichloroethane-d4 (Surr)	95.8		% Recovery	EPA 8260B	10/22/13 13:25
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/22/13 13:25
2-Bromochlorobenzene (Surr)	97.9		% Recovery	EPA 8260B	10/22/13 13:25
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	10/22/13 13:25

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-5d25**

Matrix : Soil

Lab Number : 86315-07

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.43	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
Toluene	7.1	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
Ethylbenzene	37	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
Total Xylenes	310	0.50	mg/Kg	EPA 8260B	10/23/13 12:15
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
Diisopropyl ether (DIPE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
Tert-amyl methyl ether (TAME)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
Tert-Butanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 10:23
Ethanol	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 10:23
TPH as Gasoline	2800	50	mg/Kg	EPA 8260B	10/23/13 12:15
1,2-Dichloroethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
1,2-Dibromoethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
Naphthalene	12	0.050	mg/Kg	EPA 8260B	10/22/13 10:23
1,2-Dichloroethane-d4 (Surr)	88.1		% Recovery	EPA 8260B	10/22/13 10:23
Toluene - d8 (Surr)	92.7		% Recovery	EPA 8260B	10/22/13 10:23
2-Bromochlorobenzene (Surr)	98.7		% Recovery	EPA 8260B	10/22/13 10:23
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	10/22/13 10:23

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-5d33**

Matrix : Soil

Lab Number : 86315-08

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Toluene	0.14	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Ethylbenzene	2.4	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Total Xylenes	9.0	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Diisopropyl ether (DIPE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Tert-amyl methyl ether (TAME)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Tert-Butanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 14:04
Ethanol	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 14:04
TPH as Gasoline	280	5.0	mg/Kg	EPA 8260B	10/22/13 14:04
1,2-Dichloroethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
1,2-Dibromoethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
Naphthalene	1.6	0.050	mg/Kg	EPA 8260B	10/22/13 14:04
1,2-Dichloroethane-d4 (Surr)	97.4		% Recovery	EPA 8260B	10/22/13 14:04
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/22/13 14:04
2-Bromochlorobenzene (Surr)	93.3		% Recovery	EPA 8260B	10/22/13 14:04
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	10/22/13 14:04

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-5d35**

Matrix : Soil

Lab Number : 86315-09

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.086	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Toluene	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Ethylbenzene	7.6	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Total Xylenes	14	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Diisopropyl ether (DIPE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Tert-amyl methyl ether (TAME)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Tert-Butanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 11:34
Ethanol	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 11:34
TPH as Gasoline	440	5.0	mg/Kg	EPA 8260B	10/22/13 11:34
1,2-Dichloroethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
1,2-Dibromoethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
Naphthalene	2.3	0.050	mg/Kg	EPA 8260B	10/22/13 11:34
1,2-Dichloroethane-d4 (Surr)	94.9		% Recovery	EPA 8260B	10/22/13 11:34
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	10/22/13 11:34
2-Bromochlorobenzene (Surr)	83.9		% Recovery	EPA 8260B	10/22/13 11:34
4-Bromofluorobenzene (Surr)	98.2		% Recovery	EPA 8260B	10/22/13 11:34

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-5d40**

Matrix : Soil

Lab Number : 86315-10

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.0095	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Toluene	0.0064	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Ethylbenzene	0.12	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Total Xylenes	0.39	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Methyl-t-butyl ether (MTBE)	0.47	0.0050	mg/Kg	EPA 8260B	10/23/13 09:52
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Tert-Butanol	0.44	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/21/13 13:25
TPH as Gasoline	1.4	1.0	mg/Kg	EPA 8260B	10/23/13 09:52
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
Naphthalene	0.053	0.0050	mg/Kg	EPA 8260B	10/21/13 13:25
1,2-Dichloroethane-d4 (Surr)	95.8		% Recovery	EPA 8260B	10/21/13 13:25
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	10/21/13 13:25
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	10/21/13 13:25

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-6d15**

Matrix : Soil

Lab Number : 86315-11

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/21/13 19:59
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/21/13 19:59
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 19:59
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/21/13 19:59
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/21/13 19:59
4-Bromofluorobenzene (Surr)	95.1		% Recovery	EPA 8260B	10/21/13 19:59

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-6d22**

Matrix : Soil

Lab Number : 86315-12

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Toluene	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Ethylbenzene	0.12	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Total Xylenes	0.042	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Methyl-t-butyl ether (MTBE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Diisopropyl ether (DIPE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Ethyl-t-butyl ether (ETBE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Tert-amyl methyl ether (TAME)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Tert-Butanol	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 10:27
Ethanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 10:27
TPH as Gasoline	110	2.5	mg/Kg	EPA 8260B	10/23/13 10:27
1,2-Dichloroethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
1,2-Dibromoethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 10:27
Naphthalene	0.11	0.0050	mg/Kg	EPA 8260B	10/21/13 20:35
1,2-Dichloroethane-d4 (Surr)	95.0		% Recovery	EPA 8260B	10/23/13 10:27
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/23/13 10:27
2-Bromochlorobenzene (Surr)	84.6		% Recovery	EPA 8260B	10/23/13 10:27
4-Bromofluorobenzene (Surr)	93.6		% Recovery	EPA 8260B	10/21/13 20:35

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-6d25**

Matrix : Soil

Lab Number : 86315-13

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.055	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Toluene	0.21	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Ethylbenzene	2.5	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Total Xylenes	12	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Methyl-t-butyl ether (MTBE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Diisopropyl ether (DIPE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Ethyl-t-butyl ether (ETBE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Tert-amyl methyl ether (TAME)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Tert-Butanol	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 11:01
Ethanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 11:01
TPH as Gasoline	170	2.5	mg/Kg	EPA 8260B	10/23/13 11:01
1,2-Dichloroethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
1,2-Dibromoethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
Naphthalene	1.2	0.025	mg/Kg	EPA 8260B	10/23/13 11:01
1,2-Dichloroethane-d4 (Surr)	96.0		% Recovery	EPA 8260B	10/23/13 11:01
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/23/13 11:01
2-Bromochlorobenzene (Surr)	83.1		% Recovery	EPA 8260B	10/23/13 11:01
4-Bromofluorobenzene (Surr)	95.3		% Recovery	EPA 8260B	10/23/13 11:01

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-6d30**

Matrix : Soil

Lab Number : 86315-14

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	1.1	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Toluene	12	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Ethylbenzene	33	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Total Xylenes	170	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Methyl-t-butyl ether (MTBE)	< 0.30	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Diisopropyl ether (DIPE)	< 0.30	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Ethyl-t-butyl ether (ETBE)	< 0.30	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Tert-amyl methyl ether (TAME)	< 0.30	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Tert-Butanol	< 1.5	1.5	mg/Kg	EPA 8260B	10/23/13 22:11
Ethanol	< 3.0	3.0	mg/Kg	EPA 8260B	10/23/13 22:11
TPH as Gasoline	1600	30	mg/Kg	EPA 8260B	10/23/13 22:11
1,2-Dichloroethane	< 0.30	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
1,2-Dibromoethane	< 0.30	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
Naphthalene	13	0.30	mg/Kg	EPA 8260B	10/23/13 22:11
1,2-Dichloroethane-d4 (Surr)	99.4		% Recovery	EPA 8260B	10/23/13 22:11
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/23/13 22:11
2-Bromochlorobenzene (Surr)	81.2		% Recovery	EPA 8260B	10/23/13 22:11
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	10/23/13 22:11

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-6d40**

Matrix : Soil

Lab Number : 86315-15

Sample Date :10/16/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.026	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Toluene	0.029	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Ethylbenzene	0.064	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Total Xylenes	0.32	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Methyl-t-butyl ether (MTBE)	0.015	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Tert-Butanol	0.29	0.015	mg/Kg	EPA 8260B	10/23/13 09:16
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 09:16
TPH as Gasoline	38	2.5	mg/Kg	EPA 8260B	10/24/13 14:54
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 09:16
Naphthalene	0.022	0.0050	mg/Kg	EPA 8260B	10/21/13 21:50
1,2-Dichloroethane-d4 (Surr)	88.8		% Recovery	EPA 8260B	10/23/13 09:16
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/23/13 09:16
2-Bromochlorobenzene (Surr)	93.5		% Recovery	EPA 8260B	10/24/13 14:54
4-Bromofluorobenzene (Surr)	93.6		% Recovery	EPA 8260B	10/21/13 21:50

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-7d15**

Matrix : Soil

Lab Number : 86315-16

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/21/13 22:25
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/21/13 22:25
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 22:25
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13 13:00
1,2-Dichloroethane-d4 (Surr)	99.2		% Recovery	EPA 8260B	10/21/13 22:25
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/21/13 22:25
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	10/24/13 13:00

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-7d23**

Matrix : Soil

Lab Number : 86315-17

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	2.1	0.050	mg/Kg	EPA 8260B	10/22/13 12:11
Toluene	77	0.40	mg/Kg	EPA 8260B	10/25/13 12:58
Ethylbenzene	38	0.050	mg/Kg	EPA 8260B	10/22/13 12:11
Total Xylenes	260	0.40	mg/Kg	EPA 8260B	10/25/13 12:58
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 12:11
Diisopropyl ether (DIPE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 12:11
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 12:11
Tert-amyl methyl ether (TAME)	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 12:11
Tert-Butanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/22/13 12:11
Ethanol	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 12:11
TPH as Gasoline	3000	40	mg/Kg	EPA 8260B	10/25/13 12:58
1,2-Dichloroethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 12:11
1,2-Dibromoethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 12:11
Naphthalene	23	0.40	mg/Kg	EPA 8260B	10/25/13 12:58
1,2-Dichloroethane-d4 (Surr)	87.5		% Recovery	EPA 8260B	10/22/13 12:11
Toluene - d8 (Surr)	89.0		% Recovery	EPA 8260B	10/22/13 12:11
2-Bromochlorobenzene (Surr)	104		% Recovery	EPA 8260B	10/22/13 12:11
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	10/25/13 12:58

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-7d30**

Matrix : Soil

Lab Number : 86315-18

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	14	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Toluene	110	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Ethylbenzene	65	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Total Xylenes	340	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Methyl-t-butyl ether (MTBE)	1.1	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Diisopropyl ether (DIPE)	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Tert-amyl methyl ether (TAME)	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Tert-Butanol	< 2.5	2.5	mg/Kg	EPA 8260B	10/22/13 15:55
Ethanol	< 5.0	5.0	mg/Kg	EPA 8260B	10/22/13 15:55
TPH as Gasoline	3300	50	mg/Kg	EPA 8260B	10/22/13 15:55
1,2-Dichloroethane	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
1,2-Dibromoethane	< 0.50	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
Naphthalene	28	0.50	mg/Kg	EPA 8260B	10/22/13 15:55
1,2-Dichloroethane-d4 (Surr)	99.3		% Recovery	EPA 8260B	10/22/13 15:55
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/22/13 15:55
2-Bromochlorobenzene (Surr)	102		% Recovery	EPA 8260B	10/22/13 15:55
4-Bromofluorobenzene (Surr)	97.6		% Recovery	EPA 8260B	10/22/13 15:55

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-7d35**

Matrix : Soil

Lab Number : 86315-19

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.0061	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Total Xylenes	0.013	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Methyl-t-butyl ether (MTBE)	0.014	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Tert-Butanol	0.63	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/21/13 23:03
TPH as Gasoline	4.1	1.0	mg/Kg	EPA 8260B	10/21/13 23:03
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
Naphthalene	0.015	0.0050	mg/Kg	EPA 8260B	10/21/13 23:03
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	10/21/13 23:03
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/21/13 23:03
4-Bromofluorobenzene (Surr)	95.3		% Recovery	EPA 8260B	10/21/13 23:03

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-8d15**

Matrix : Soil

Lab Number : 86315-20

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Tert-Butanol	0.0076	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/21/13 23:38
TPH as Gasoline	4.8	1.0	mg/Kg	EPA 8260B	10/21/13 23:38
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13 23:38
1,2-Dichloroethane-d4 (Surr)	97.7		% Recovery	EPA 8260B	10/21/13 23:38
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/21/13 23:38
4-Bromofluorobenzene (Surr)	93.0		% Recovery	EPA 8260B	10/21/13 23:38

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-8d25**

Matrix : Soil

Lab Number : 86315-21

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.012	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Ethylbenzene	0.0069	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Total Xylenes	0.030	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Methyl-t-butyl ether (MTBE)	0.066	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Tert-Butanol	0.034	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 22:39
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/22/13 22:39
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
Naphthalene	0.0090	0.0050	mg/Kg	EPA 8260B	10/22/13 22:39
1,2-Dichloroethane-d4 (Surr)	99.9		% Recovery	EPA 8260B	10/22/13 22:39
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/22/13 22:39
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	10/22/13 22:39

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-8d30**

Matrix : Soil

Lab Number : 86315-22

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.21	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Toluene	1.0	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Ethylbenzene	1.4	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Total Xylenes	7.2	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Methyl-t-butyl ether (MTBE)	0.16	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Diisopropyl ether (DIPE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Ethyl-t-butyl ether (ETBE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Tert-amyl methyl ether (TAME)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Tert-Butanol	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 18:25
Ethanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 18:25
TPH as Gasoline	130	2.5	mg/Kg	EPA 8260B	10/23/13 18:25
1,2-Dichloroethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
1,2-Dibromoethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
Naphthalene	0.69	0.025	mg/Kg	EPA 8260B	10/23/13 18:25
1,2-Dichloroethane-d4 (Surr)	98.6		% Recovery	EPA 8260B	10/23/13 18:25
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/23/13 18:25
2-Bromochlorobenzene (Surr)	80.9		% Recovery	EPA 8260B	10/23/13 18:25
4-Bromofluorobenzene (Surr)	99.2		% Recovery	EPA 8260B	10/23/13 18:25

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-8d31**

Matrix : Soil

Lab Number : 86315-23

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	2.3	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Toluene	44	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Ethylbenzene	40	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Total Xylenes	220	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Methyl-t-butyl ether (MTBE)	0.30	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Diisopropyl ether (DIPE)	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Ethyl-t-butyl ether (ETBE)	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Tert-amyl methyl ether (TAME)	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Tert-Butanol	< 1.5	1.5	mg/Kg	EPA 8260B	10/23/13 20:56
Ethanol	< 2.5	2.5	mg/Kg	EPA 8260B	10/23/13 20:56
TPH as Gasoline	2000	25	mg/Kg	EPA 8260B	10/23/13 20:56
1,2-Dichloroethane	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
1,2-Dibromoethane	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
Naphthalene	23	0.25	mg/Kg	EPA 8260B	10/23/13 20:56
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	10/23/13 20:56
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/23/13 20:56
2-Bromochlorobenzene (Surr)	96.0		% Recovery	EPA 8260B	10/23/13 20:56
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	10/23/13 20:56

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-8d37**

Matrix : Soil

Lab Number : 86315-24

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.051	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Toluene	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Ethylbenzene	0.29	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Total Xylenes	0.040	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Methyl-t-butyl ether (MTBE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Diisopropyl ether (DIPE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Ethyl-t-butyl ether (ETBE)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Tert-amyl methyl ether (TAME)	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Tert-Butanol	0.47	0.15	mg/Kg	EPA 8260B	10/23/13 02:26
Ethanol	< 0.25	0.25	mg/Kg	EPA 8260B	10/23/13 02:26
TPH as Gasoline	51	2.5	mg/Kg	EPA 8260B	10/23/13 02:26
1,2-Dichloroethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
1,2-Dibromoethane	< 0.025	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
Naphthalene	0.13	0.025	mg/Kg	EPA 8260B	10/23/13 02:26
1,2-Dichloroethane-d4 (Surr)	97.7		% Recovery	EPA 8260B	10/23/13 02:26
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/23/13 02:26
2-Bromochlorobenzene (Surr)	91.4		% Recovery	EPA 8260B	10/23/13 02:26
4-Bromofluorobenzene (Surr)	94.1		% Recovery	EPA 8260B	10/23/13 02:26

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-9d15**

Matrix : Soil

Lab Number : 86315-25

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Tert-Butanol	0.022	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 23:18
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/22/13 23:18
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:18
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/22/13 23:18
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/22/13 23:18
4-Bromofluorobenzene (Surr)	95.0		% Recovery	EPA 8260B	10/22/13 23:18

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-9d20**

Matrix : Soil

Lab Number : 86315-26

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Tert-Butanol	0.019	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13 23:55
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/22/13 23:55
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 23:55
1,2-Dichloroethane-d4 (Surr)	98.3		% Recovery	EPA 8260B	10/22/13 23:55
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/22/13 23:55
4-Bromofluorobenzene (Surr)	95.6		% Recovery	EPA 8260B	10/22/13 23:55

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-9d27**

Matrix : Soil

Lab Number : 86315-27

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.065	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Toluene	0.17	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Ethylbenzene	3.0	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Total Xylenes	14	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Methyl-t-butyl ether (MTBE)	0.053	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Diisopropyl ether (DIPE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Tert-amyl methyl ether (TAME)	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Tert-Butanol	0.37	0.25	mg/Kg	EPA 8260B	10/23/13 04:17
Ethanol	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 04:17
TPH as Gasoline	300	5.0	mg/Kg	EPA 8260B	10/23/13 04:17
1,2-Dichloroethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
1,2-Dibromoethane	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
Naphthalene	2.8	0.050	mg/Kg	EPA 8260B	10/23/13 04:17
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	10/23/13 04:17
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/23/13 04:17
2-Bromochlorobenzene (Surr)	88.0		% Recovery	EPA 8260B	10/23/13 04:17
4-Bromofluorobenzene (Surr)	95.6		% Recovery	EPA 8260B	10/23/13 04:17

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-9d37**

Matrix : Soil

Lab Number : 86315-28

Sample Date :10/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.016	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
Toluene	0.073	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
Ethylbenzene	1.2	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
Total Xylenes	1.3	0.025	mg/Kg	EPA 8260B	10/23/13 03:04
Methyl-t-butyl ether (MTBE)	0.010	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
Tert-Butanol	0.32	0.025	mg/Kg	EPA 8260B	10/24/13 16:02
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/24/13 16:02
TPH as Gasoline	40	2.5	mg/Kg	EPA 8260B	10/23/13 03:04
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
Naphthalene	0.71	0.0050	mg/Kg	EPA 8260B	10/24/13 16:02
1,2-Dichloroethane-d4 (Surr)	93.7		% Recovery	EPA 8260B	10/24/13 16:02
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	10/24/13 16:02
2-Bromochlorobenzene (Surr)	89.4		% Recovery	EPA 8260B	10/23/13 03:04
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	10/24/13 16:02

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-10d15**

Matrix : Soil

Lab Number : 86315-29

Sample Date :10/18/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Tert-Butanol	0.024	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 00:32
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/23/13 00:32
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 00:32
1,2-Dichloroethane-d4 (Surr)	97.5		% Recovery	EPA 8260B	10/23/13 00:32
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/23/13 00:32
4-Bromofluorobenzene (Surr)	96.9		% Recovery	EPA 8260B	10/23/13 00:32

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-10d21**

Matrix : Soil

Lab Number : 86315-30

Sample Date :10/18/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Toluene	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Ethylbenzene	23	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Total Xylenes	45	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Methyl-t-butyl ether (MTBE)	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Diisopropyl ether (DIPE)	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Ethyl-t-butyl ether (ETBE)	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Tert-amyl methyl ether (TAME)	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Tert-Butanol	< 0.70	0.70	mg/Kg	EPA 8260B	10/23/13 20:18
Ethanol	< 1.5	1.5	mg/Kg	EPA 8260B	10/23/13 20:18
TPH as Gasoline	1100	25	mg/Kg	EPA 8260B	10/23/13 04:56
1,2-Dichloroethane	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
1,2-Dibromoethane	< 0.15	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
Naphthalene	28	0.15	mg/Kg	EPA 8260B	10/23/13 20:18
1,2-Dichloroethane-d4 (Surr)	97.3		% Recovery	EPA 8260B	10/23/13 20:18
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/23/13 20:18
2-Bromochlorobenzene (Surr)	98.8		% Recovery	EPA 8260B	10/23/13 20:18
4-Bromofluorobenzene (Surr)	94.3		% Recovery	EPA 8260B	10/23/13 20:18

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-10d28**

Matrix : Soil

Lab Number : 86315-31

Sample Date :10/18/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.43	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Toluene	0.56	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Ethylbenzene	35	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Total Xylenes	99	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Methyl-t-butyl ether (MTBE)	< 0.40	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Diisopropyl ether (DIPE)	< 0.40	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Ethyl-t-butyl ether (ETBE)	< 0.40	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Tert-amyl methyl ether (TAME)	< 0.40	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Tert-Butanol	< 2.0	2.0	mg/Kg	EPA 8260B	10/24/13 10:39
Ethanol	< 4.0	4.0	mg/Kg	EPA 8260B	10/24/13 10:39
TPH as Gasoline	2300	40	mg/Kg	EPA 8260B	10/24/13 10:39
1,2-Dichloroethane	< 0.40	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
1,2-Dibromoethane	< 0.40	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
Naphthalene	17	0.40	mg/Kg	EPA 8260B	10/24/13 10:39
1,2-Dichloroethane-d4 (Surr)	93.0		% Recovery	EPA 8260B	10/24/13 10:39
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/24/13 10:39
2-Bromochlorobenzene (Surr)	87.0		% Recovery	EPA 8260B	10/24/13 10:39
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	10/24/13 10:39

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-10d36**

Matrix : Soil

Lab Number : 86315-32

Sample Date :10/18/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Total Xylenes	0.0086	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Tert-Butanol	0.24	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 01:48
TPH as Gasoline	1.8	1.0	mg/Kg	EPA 8260B	10/23/13 01:48
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
Naphthalene	0.019	0.0050	mg/Kg	EPA 8260B	10/23/13 01:48
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	10/23/13 01:48
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/23/13 01:48
4-Bromofluorobenzene (Surr)	95.4		% Recovery	EPA 8260B	10/23/13 01:48

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-12d11**

Matrix : Soil

Lab Number : 86315-33

Sample Date :10/18/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
Toluene	3.3	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
Ethylbenzene	230	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
Total Xylenes	1300	2.5	mg/Kg	EPA 8260B	10/23/13 21:35
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
Diisopropyl ether (DIPE)	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
Tert-amyl methyl ether (TAME)	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
Tert-Butanol	< 2.5	2.5	mg/Kg	EPA 8260B	10/23/13 13:29
Ethanol	< 5.0	5.0	mg/Kg	EPA 8260B	10/23/13 13:29
TPH as Gasoline	11000	250	mg/Kg	EPA 8260B	10/23/13 21:35
1,2-Dichloroethane	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
1,2-Dibromoethane	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 13:29
Naphthalene	85	2.5	mg/Kg	EPA 8260B	10/23/13 21:35
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	10/23/13 13:29
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/23/13 13:29
2-Bromochlorobenzene (Surr)	99.3		% Recovery	EPA 8260B	10/23/13 13:29
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	10/23/13 21:35

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-12d20**

Matrix : Soil

Lab Number : 86315-34

Sample Date :10/18/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.33	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
Toluene	0.76	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
Ethylbenzene	31	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
Total Xylenes	130	0.50	mg/Kg	EPA 8260B	10/23/13 12:50
Methyl-t-butyl ether (MTBE)	< 0.10	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
Diisopropyl ether (DIPE)	< 0.10	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
Ethyl-t-butyl ether (ETBE)	< 0.10	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
Tert-amyl methyl ether (TAME)	< 0.10	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
Tert-Butanol	< 0.50	0.50	mg/Kg	EPA 8260B	10/23/13 19:40
Ethanol	< 1.0	1.0	mg/Kg	EPA 8260B	10/23/13 19:40
TPH as Gasoline	1200	50	mg/Kg	EPA 8260B	10/23/13 12:50
1,2-Dichloroethane	< 0.10	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
1,2-Dibromoethane	< 0.10	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
Naphthalene	14	0.10	mg/Kg	EPA 8260B	10/23/13 19:40
1,2-Dichloroethane-d4 (Surr)	97.7		% Recovery	EPA 8260B	10/23/13 19:40
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/23/13 19:40
2-Bromochlorobenzene (Surr)	90.9		% Recovery	EPA 8260B	10/23/13 19:40
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	10/23/13 19:40

Project Name : **2611117**

Project Number : **I42611117 0001**

Sample : **CPT-12d35**

Matrix : Soil

Lab Number : 86315-35

Sample Date :10/18/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Tert-Butanol	0.17	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/23/13 01:08
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/23/13 01:08
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/23/13 01:08
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/23/13 01:08
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/23/13 01:08
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	10/23/13 01:08

QC Report : Method Blank Data

Project Name : 261117

Project Number : I42611117 0001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/22/13
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/22/13
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	10/22/13
4-Bromofluorobenzene (Surr)	96.4		%	EPA 8260B	10/22/13
Toluene - d8 (Surr)	101		%	EPA 8260B	10/22/13
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/21/13
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/21/13
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/13
1,2-Dichloroethane-d4 (Surr)	98.5		%	EPA 8260B	10/21/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
4-Bromofluorobenzene (Surr)	94.5		%	EPA 8260B	10/21/13
Toluene - d8 (Surr)	100		%	EPA 8260B	10/21/13
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
Ethanol	< 0.050	0.050	mg/Kg	EPA 8260B	10/24/13
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/24/13
1,2-Dichloroethane-d4 (Surr)	114		%	EPA 8260B	10/24/13
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	10/24/13
Toluene - d8 (Surr)	98.7		%	EPA 8260B	10/24/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/24/13

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 2611117

Project Number : I42611117 0001

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
1,2-Dibromoethane	86314-01	<0.0050	0.0391	0.0397	0.0391	0.0361	mg/Kg	EPA 8260B	10/22/13	100	91.1	9.49	70.0-130	25
1,2-Dichloroethane	86314-01	<0.0050	0.0388	0.0394	0.0340	0.0319	mg/Kg	EPA 8260B	10/22/13	87.8	81.1	7.92	70.0-130	25
Benzene	86314-01	<0.0050	0.0388	0.0394	0.0354	0.0356	mg/Kg	EPA 8260B	10/22/13	91.3	90.5	0.846	70.0-130	25
Diisopropyl ether	86314-01	<0.0050	0.0381	0.0387	0.0349	0.0337	mg/Kg	EPA 8260B	10/22/13	91.5	87.0	5.05	70.0-130	25
Ethanol	86314-01	<0.050	0.0962	0.0978	0.0934	0.0857	mg/Kg	EPA 8260B	10/22/13	97.1	87.6	10.2	25.0-180	25
Ethyl-tert-butyl ether	86314-01	<0.0050	0.0389	0.0395	0.0378	0.0353	mg/Kg	EPA 8260B	10/22/13	97.3	89.3	8.49	65.0-130	25
Ethylbenzene	86314-01	0.037	0.0388	0.0394	0.0473	0.0768	mg/Kg	EPA 8260B	10/22/13	26.6	101	116	70.0-130	25
Methyl-t-butyl ether	86314-01	<0.0050	0.0386	0.0392	0.0384	0.0358	mg/Kg	EPA 8260B	10/22/13	99.3	91.1	8.59	60.0-130	25
Naphthalene	86314-01	0.015	0.0388	0.0394	0.0562	0.0736	mg/Kg	EPA 8260B	10/22/13	105	148	33.6	70.0-130	25
P + M Xylene	86314-01	0.012	0.0388	0.0394	0.0430	0.0496	mg/Kg	EPA 8260B	10/22/13	81.0	96.5	17.5	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 2611117

Project Number : I42611117 0001

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
Tert-Butanol	86314-01	0.025	0.195	0.198	0.202	0.197	mg/Kg	EPA 8260B	10/22/13	90.3	86.6	4.24	70.0-130	25
Tert-amyl-methyl ether	86314-01	<0.0050	0.0391	0.0397	0.0390	0.0360	mg/Kg	EPA 8260B	10/22/13	99.9	90.6	9.75	70.0-130	25
Toluene	86314-01	<0.0050	0.0388	0.0394	0.0361	0.0349	mg/Kg	EPA 8260B	10/22/13	93.1	88.6	4.91	70.0-130	25
1,2-Dibromoethane	86315-10	<0.0050	0.0381	0.0385	0.0364	0.0353	mg/Kg	EPA 8260B	10/21/13	95.5	91.7	4.11	70.0-130	25
1,2-Dichloroethane	86315-10	<0.0050	0.0378	0.0382	0.0355	0.0359	mg/Kg	EPA 8260B	10/21/13	93.8	93.8	0.00233	70.0-130	25
Benzene	86315-10	0.0095	0.0378	0.0382	0.0390	0.0399	mg/Kg	EPA 8260B	10/21/13	78.1	79.5	1.80	70.0-130	25
Diisopropyl ether	86315-10	<0.0050	0.0371	0.0376	0.0310	0.0317	mg/Kg	EPA 8260B	10/21/13	83.6	84.3	0.804	70.0-130	25
Ethanol	86315-10	<0.050	0.0939	0.0950	0.0721	0.0631	mg/Kg	EPA 8260B	10/21/13	76.8	66.4	14.5	25.0-180	25
Ethyl-tert-butyl ether	86315-10	<0.0050	0.0379	0.0384	0.0321	0.0326	mg/Kg	EPA 8260B	10/21/13	84.6	85.1	0.663	65.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 2611117

Project Number : I42611117 0001

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	86315-10	0.12	0.0378	0.0382	0.114	0.120	mg/Kg	EPA 8260B	10/21/13	0.00	10.8	200	70.0-130	25
Methyl-t-butyl ether	86315-10	0.64	0.0377	0.0381	0.746	0.763	mg/Kg	EPA 8260B	10/21/13	277	320	14.2	60.0-130	25
Naphthalene	86315-10	0.053	0.0378	0.0382	0.0682	0.0673	mg/Kg	EPA 8260B	10/21/13	40.7	37.7	7.54	70.0-130	25
P + M Xylene	86315-10	0.30	0.0378	0.0382	0.240	0.254	mg/Kg	EPA 8260B	10/21/13	0.00	0.00	0.00	70.0-130	25
Tert-Butanol	86315-10	0.44	0.190	0.193	0.586	0.562	mg/Kg	EPA 8260B	10/21/13	76.4	62.9	19.3	70.0-130	25
Tert-amyl-methyl ether	86315-10	<0.0050	0.0381	0.0386	0.0371	0.0385	mg/Kg	EPA 8260B	10/21/13	97.4	99.7	2.41	70.0-130	25
Toluene	86315-10	0.0064	0.0378	0.0382	0.0376	0.0382	mg/Kg	EPA 8260B	10/21/13	82.5	83.2	0.933	70.0-130	25
1,2-Dibromoethane	86315-16	<0.0050	0.0396	0.0394	0.0364	0.0396	mg/Kg	EPA 8260B	10/24/13	91.9	100	8.94	70.0-130	25
1,2-Dichloroethane	86315-16	<0.0050	0.0393	0.0391	0.0330	0.0347	mg/Kg	EPA 8260B	10/24/13	83.9	88.8	5.66	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 2611117

Project Number : I42611117 0001

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	86315-16	<0.0050	0.0393	0.0391	0.0349	0.0349	mg/Kg	EPA 8260B	10/24/13	88.8	89.4	0.630	70.0-130	25
Diisopropyl ether	86315-16	<0.0050	0.0386	0.0384	0.0351	0.0356	mg/Kg	EPA 8260B	10/24/13	90.9	92.9	2.15	70.0-130	25
Ethanol	86315-16	<0.050	0.0976	0.0970	0.0943	0.0905	mg/Kg	EPA 8260B	10/24/13	96.6	93.3	3.51	25.0-180	25
Ethyl-tert-butyl ether	86315-16	<0.0050	0.0394	0.0392	0.0373	0.0387	mg/Kg	EPA 8260B	10/24/13	94.6	98.9	4.40	65.0-130	25
Ethylbenzene	86315-16	<0.0050	0.0393	0.0391	0.0387	0.0381	mg/Kg	EPA 8260B	10/24/13	98.5	97.6	0.866	70.0-130	25
Methyl-t-butyl ether	86315-16	<0.0050	0.0392	0.0389	0.0357	0.0380	mg/Kg	EPA 8260B	10/24/13	91.2	97.5	6.66	60.0-130	25
Naphthalene	86315-16	<0.0050	0.0393	0.0391	0.0350	0.0436	mg/Kg	EPA 8260B	10/24/13	89.0	112	22.6	70.0-130	25
Tert-Butanol	86315-16	<0.0050	0.198	0.197	0.184	0.179	mg/Kg	EPA 8260B	10/24/13	93.0	90.9	2.36	70.0-130	25
Tert-amyl-methyl ether	86315-16	<0.0050	0.0396	0.0394	0.0384	0.0402	mg/Kg	EPA 8260B	10/24/13	97.0	102	4.99	70.0-130	25
Toluene	86315-16	<0.0050	0.0393	0.0391	0.0363	0.0363	mg/Kg	EPA 8260B	10/24/13	92.3	92.8	0.558	70.0-130	25

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **2611117**

Project Number : **I42611117 0001**

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
Toluene	86315-11	<0.0050	0.0395	0.0386	0.0421	0.0404	mg/Kg	EPA 8260B	10/24/13	107	105	1.78	70.0-130	25

QC Report : Laboratory Control Sample (LCS)

Project Name : 2611117

Project Number : I42611117 0001

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dibromoethane	0.0403	mg/Kg	EPA 8260B	10/22/13	92.2	70.0-130
1,2-Dichloroethane	0.0400	mg/Kg	EPA 8260B	10/22/13	84.2	70.0-130
Benzene	0.0400	mg/Kg	EPA 8260B	10/22/13	88.6	70.0-130
Diisopropyl ether	0.0393	mg/Kg	EPA 8260B	10/22/13	91.3	70.0-130
Ethanol	0.0993	mg/Kg	EPA 8260B	10/22/13	74.5	25.0-180
Ethyl-tert-butyl ether	0.0401	mg/Kg	EPA 8260B	10/22/13	93.3	65.0-130
Ethylbenzene	0.0400	mg/Kg	EPA 8260B	10/22/13	97.0	70.0-130
Methyl-t-butyl ether	0.0399	mg/Kg	EPA 8260B	10/22/13	87.1	60.0-130
Naphthalene	0.0400	mg/Kg	EPA 8260B	10/22/13	55.9	70.0-130
P + M Xylene	0.0400	mg/Kg	EPA 8260B	10/22/13	96.2	70.0-130
Tert-Butanol	0.202	mg/Kg	EPA 8260B	10/22/13	90.6	70.0-130
Tert-amyl-methyl ether	0.0403	mg/Kg	EPA 8260B	10/22/13	95.9	70.0-130
Toluene	0.0400	mg/Kg	EPA 8260B	10/22/13	91.3	70.0-130
1,2-Dibromoethane	0.0400	mg/Kg	EPA 8260B	10/21/13	102	70.0-130
1,2-Dichloroethane	0.0397	mg/Kg	EPA 8260B	10/21/13	87.8	70.0-130
Benzene	0.0397	mg/Kg	EPA 8260B	10/21/13	85.0	70.0-130
Diisopropyl ether	0.0390	mg/Kg	EPA 8260B	10/21/13	85.2	70.0-130
Ethanol	0.0986	mg/Kg	EPA 8260B	10/21/13	93.4	25.0-180
Ethyl-tert-butyl ether	0.0398	mg/Kg	EPA 8260B	10/21/13	86.4	65.0-130
Ethylbenzene	0.0397	mg/Kg	EPA 8260B	10/21/13	93.3	70.0-130
Methyl-t-butyl ether	0.0396	mg/Kg	EPA 8260B	10/21/13	91.2	60.0-130
Naphthalene	0.0397	mg/Kg	EPA 8260B	10/21/13	147	70.0-130

QC Report : Laboratory Control Sample (LCS)Project Name : **2611117**Project Number : **I42611117 0001**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
P + M Xylene	0.0397	mg/Kg	EPA 8260B	10/21/13	93.1	70.0-130
Tert-Butanol	0.200	mg/Kg	EPA 8260B	10/21/13	86.7	70.0-130
Tert-amyl-methyl ether	0.0400	mg/Kg	EPA 8260B	10/21/13	90.6	70.0-130
Toluene	0.0397	mg/Kg	EPA 8260B	10/21/13	88.8	70.0-130
1,2-Dibromoethane	0.0396	mg/Kg	EPA 8260B	10/24/13	97.8	70.0-130
1,2-Dichloroethane	0.0393	mg/Kg	EPA 8260B	10/24/13	87.8	70.0-130
Benzene	0.0393	mg/Kg	EPA 8260B	10/24/13	88.6	70.0-130
Diisopropyl ether	0.0386	mg/Kg	EPA 8260B	10/24/13	90.7	70.0-130
Ethanol	0.0976	mg/Kg	EPA 8260B	10/24/13	84.6	25.0-180
Ethyl-tert-butyl ether	0.0394	mg/Kg	EPA 8260B	10/24/13	96.9	65.0-130
Ethylbenzene	0.0393	mg/Kg	EPA 8260B	10/24/13	96.8	70.0-130
Methyl-t-butyl ether	0.0392	mg/Kg	EPA 8260B	10/24/13	93.3	60.0-130
Naphthalene	0.0393	mg/Kg	EPA 8260B	10/24/13	98.6	70.0-130
Tert-Butanol	0.198	mg/Kg	EPA 8260B	10/24/13	89.9	70.0-130
Tert-amyl-methyl ether	0.0396	mg/Kg	EPA 8260B	10/24/13	98.6	70.0-130
Toluene	0.0393	mg/Kg	EPA 8260B	10/24/13	91.5	70.0-130
Toluene	0.0380	mg/Kg	EPA 8260B	10/24/13	102	70.0-130

Project Contact (Hardcopy or PDF To): <i>Dennis Dettloff</i>		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request																						
Company / Address: <i>Antea Group</i>		Sampling Company Log Code:		Analysis Request										TAT		For Lab Use Only										
Phone #: <i>(916) 503-1261</i>	Fax #:	Global ID:												<input type="checkbox"/> 12 hr												
Project #: <i>I4261117 0001</i>	P.O. #:	EDF Deliverable To (Email Address): <i>dennis.dettloff@anteagroup.com</i>												<input type="checkbox"/> 24 hr												
Project Name: <i>261117</i>		Sampler Signature: <i>Jonathan Fellingame</i>												<input type="checkbox"/> 48hr												
Project Address: <i>7210 Bancroft Ave Oakland, CA</i>		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											<input checked="" type="checkbox"/> 1 wk		
<i>CPT-4d15</i>	<i>CPT-4</i>	<i>10/16/13</i>	<i>9:25</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>01</i>	
<i>CPT-4d18</i>	<i>CPT-4</i>	<i>10/16/13</i>	<i>9:30</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>02</i>	
<i>CPT-4d23</i>	<i>CPT-4</i>	<i>10/16/13</i>	<i>9:35</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>03</i>	
<i>CPT-4d25</i>	<i>CPT-4</i>	<i>10/16</i>	<i>9:40</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>04</i>	
<i>CPT-4d40</i>	<i>CPT-4</i>	<i>10/16</i>	<i>10:03</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>05</i>	
<i>CPT-5d20</i>	<i>CPT-5</i>	<i>10/16</i>	<i>11:40</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>06</i>	
<i>CPT-5d29</i>	<i>CPT-5</i>	<i>10/16</i>	<i>11:50</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>07</i>	
<i>CPT-5d33</i>	<i>CPT-5</i>	<i>10/16</i>	<i>12:10</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>08</i>	
<i>CPT-5d39</i>	<i>CPT-5</i>	<i>10/16</i>	<i>12:15</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>09</i>	
<i>CPT-5d40</i>	<i>CPT-5</i>	<i>10/16</i>	<i>12:30</i>		<i>X</i>						<i>X</i>		<i>X</i>												<i>10</i>	
Relinquished by: <i>Jonathan Fellingame</i>		Date: <i>10/16/13</i>	Time: <i>4:40</i>	Received by:																						
Relinquished by:		Date:	Time:	Received by:																						
Relinquished by:		Date: <i>10/18/13</i>	Time: <i>1640</i>	Received by Laboratory: <i>E. B. Will Anderson</i>																						
For Lab Use Only: Sample Receipt												Temp °C	Initials	Date	Time	Term. ID	Coolant Present									
																	Yes / No									

Project Contact (Hardcopy or PDF To): <i>Dennis Deilloff</i>		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request												
Company / Address: <i>Antea Group</i>		Sampling Company Log Code:		Analysis Request								TAT		For Lab Use Only		
Phone #: <i>(916) 503 1261</i>	Fax #:	Global ID:										<input type="checkbox"/> 12 hr				
Project #: <i>I4261117 0221</i>	P.O. #:	EDF Deliverable To (Email Address): <i>dennis.deilloff@anteagroup.com</i>										<input type="checkbox"/> 24 hr				
Project Name:		Sampler Signature: <i>Jonathan Fillingame</i>										<input type="checkbox"/> 48hr				
Project Address: <i>7210 Bancroft Ave Oakland, CA</i>		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		<input checked="" type="checkbox"/> 1 wk	
<i>CPT-6d.19</i>	<i>CPT-6</i>	<i>10/16/17</i>	<i>14:15</i>	<i>X</i>							<i>X</i>	<i>X</i>				11
<i>CPT-6d.22</i>	<i>CPT-6</i>	<i>10/16</i>	<i>14:20</i>	<i>X</i>							<i>X</i>	<i>X</i>				12
<i>CPT-6d.25</i>	<i>CPT-6</i>	<i>10/16</i>	<i>14:30</i>	<i>X</i>							<i>X</i>	<i>X</i>				13
<i>CPT-6d.30</i>	<i>CPT-6</i>	<i>10/16</i>	<i>14:35</i>	<i>X</i>							<i>X</i>	<i>X</i>				14
<i>CPT-6d.40</i>	<i>CPT-6</i>	<i>10/16</i>	<i>14:50</i>	<i>X</i>							<i>X</i>	<i>X</i>			15	
<i>CPT-7d.15</i>	<i>CPT-7</i>	<i>10/17/13</i>	<i>7:50</i>	<i>X</i>							<i>X</i>	<i>X</i>			16	
<i>CPT-7d.23</i>	<i>CPT-7</i>	<i>10/17</i>	<i>8:00</i>	<i>X</i>							<i>X</i>	<i>X</i>			17	
<i>CPT-7d.30</i>	<i>CPT-7</i>	<i>10/17</i>	<i>8:10</i>	<i>X</i>							<i>X</i>	<i>X</i>			18	
<i>CPT-7d.35</i>	<i>CPT-7</i>	<i>10/17</i>	<i>8:20</i>	<i>X</i>							<i>X</i>	<i>X</i>			19	
<i>CPT-8d.15</i>	<i>CPT-8</i>	<i>10/17</i>	<i>10:50</i>	<i>X</i>							<i>X</i>	<i>X</i>			20	
Relinquished by: <i>Jonathan Fillingame</i>		Date <i>10/18/13</i>	Time <i>4:40</i>	Received by:												
Relinquished by:		Date	Time	Received by:												
Relinquished by:		Date <i>10/18/13</i>	Time <i>1640</i>	Received by Laboratory: <i>GLB with Andy Ford</i>		For Lab Use Only: Sample Receipt										
Temp °C	Initials	Date	Time	Term. ID	Coolant Present											
					Yes / No											



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

SRG # / Lab No.

86315

Page 3 of 4

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

Company / Address: Anteo Group Sampling Company Log Code:

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

Project #: 14261117 0001 P.O. #: EDF Deliverable To (Email Address): vennis.dettloff@antengroup.com

Project Name: Sampler Signature: [Signature]

Project Address: 7210 Bancroft Ave
Oakland, CA

Sampling Container Preservative Matrix

40 ml VOA Sleeve Poly Glass Tedlar HCl HNO₃ None Water Soil

8260B GRO, BTEX, MTBE, ETBE, DIPE, TAME, TBA, ethanol, 1,2 DCA, EDB

Analysis Request TAT

12 hr 24 hr 48hr 72 hr 1 wk

For Lab Use Only

Sample Designation	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	8260B GRO, BTEX, MTBE, ETBE, DIPE, TAME, TBA, ethanol, 1,2 DCA, EDB	TAT	For Lab Use Only
CPT-8d25	CPT-8	10/17/13	11:10	X							X		X	X		21
CPT-8d30	CPT-8	10/17/13	11:25	X						X			X	X		22
CPT-8d31	CPT-8	10/17/13	11:30	X						X			X	X		23
CPT-8d37	CPT-8	10/17	11:45	X						X			X	X		24
CPT-9d15	CPT-9	10/17	14:20	X						X			X	X		25
CPT-9d20	CPT-9	10/17	14:50	X						X			X	X		26
CPT-9d27	CPT-9	10/17	14:50	X						X			X	X		27
CPT-9d37	CPT-9	10/17	15:20	X						X			X	X		28
CPT-10d15	CPT-10	10/18/13	9:35	X						X			X	X		29
CPT-10d21	CPT-10	10/18	9:45	X						X			X	X		30

Relinquished by: [Signature] Date: 10/18/13 Time: 4:40 Received by: _____

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

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

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

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

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

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

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

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

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

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

Project Contact (Hardcopy or PDF To): Vernie Dettloff
 Company / Address: Anteo Group
 Phone #: (916) 503-1261 Fax #: _____
 Project #: I4261117 0001 P.O. #: _____
 Project Name: _____
 Global ID: _____
 EDF Deliverable To (Email Address): dennis.dettloff@antecgroup.com
 Sampler Signature: Jonathan Fillipponi

Chain-of-Custody Record and Analysis Request

Sample Designation	Field Point Name	Date	Time	Container				Preservative			Matrix		Analysis Request	TAT	For Lab Use Only	
				40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water				Soil
CPT-10d 28	CPT-10	8/18/13	10:00		X						X		X			
CPT-10d 36	CPT-10	8/18	10:10		X						X		X			
CPT-10d		10/18/13														
CPT-12d 11	CPT-12	8/18	11:49		X						X		X			
CPT-12d 20	CPT-12	8/18	11:55		X						X		X			
CPT-12d 35	CPT-12	8/18	12:30		X						X		X			
		10/18														

Analysis Request	TAT	For Lab Use Only
8260B GRO, BTEX, MTBE, ETBE, DIPE, TAME, TBA, ethanol, 1,2 DCA, EDB	<input type="checkbox"/> 12 hr <input type="checkbox"/> 24 hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72 hr <input checked="" type="checkbox"/> wk	

Relinquished by: Jonathan Fillipponi Date: 10/18/13 Time: 4:40
 Received by: _____

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

Relinquished by: _____ Date: 10/18/13 Time: 1648
 Received by laboratory: ES with Analytical

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

31
32
33
34 33
35 34
36 35

SAMPLE RECEIPT CHECKLIST

SRG #: 86315

Sample Receipt	Initials/Date: <i>Emy 101813</i>	Storage Time: <i>1640</i>	Sample Login	Initials/Date: <i>TJB101813</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>4.6</i> <input type="checkbox"/> N/A	Therm ID <i>1R3</i>	Time <i>1637</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	
Project ID	X	X	
Sample Date	X	X	<i>101613 on -21 sleeve</i>
Sample Time	X	X	
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: *Note: all dates corrected by client on page 4 of the COC - to 10/18/13. Emy 101813 1640*

Visible water in sample -02. TJB 101813 2032

Receipt Details:

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

CS Required:

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

Client Communication:

Is the Data Valid?
(circle)
Yes / No

Preservation Temperature
(if Known): 4.6 °C

Antea Group Lab Validation Sheet

Project/Client: COP/ELT

Project #: 142705191

Date of Validation: 12/4/13 Date of Analysis: 10/24/13 Sample Date: 10/16/13

Completed By: Jon F. Signature: Jonathan Zilling

Analytical Lab Used and Report # (if any): Kiff Analytical LLC 86315

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 some analytes (Ethylbenzene, MTBE, P+M Xylene, TBA) 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.

11. RPD results for Ethylbenzene were outside of control limits. Since the LCS recoveries were within control limits, no data are flagged.

Appendix E

Certified Laboratory Analytical Reports for Waste and Waste Manifest



Laboratory Results

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

Subject : 1 Soil Sample
Project Name : I42611117 0001
Project Number : I42611117 0001

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
Project Name : I42611117 0001
Project Number : I42611117 0001

Case Narrative

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

Matrix Spike/Matrix Spike Duplicate results were not within the method-specified criteria for Ethylbenzene.
The associated laboratory control sample (LCS) recovery met acceptance criteria.



Report Number : 86314

Date : 10/24/13

Analysis Summary

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

Project Name : I42611117 0001
Project Number : I42611117 0001

Sample Name			Waste Soil	
Sample Date			10/18/13	
Analyte	Method	Units	MRL	Results
Lead	EPA 6010B	mg/Kg	0.50	7.2
Benzene	EPA 8260B	mg/Kg	0.0050	ND
Ethylbenzene	EPA 8260B	mg/Kg	0.0050	0.037
Toluene	EPA 8260B	mg/Kg	0.0050	ND
Total Xylenes	EPA 8260B	mg/Kg	0.0050	0.015
Methyl-t-butyl ether (MTBE)	EPA 8260B	mg/Kg	0.0050	ND
TPH as Gasoline	EPA 8260B	mg/Kg	1.0	1.3
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%		101
Toluene - d8 (Surr)	EPA 8260B	%		102

MRL = Method Reporting Limit

ND = Not Detected

Project Name : **I42611117 0001**

Project Number : **I42611117 0001**

Sample : **Waste Soil**

Matrix : Soil

Lab Number : 86314-01

Sample Date :10/18/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Lead	7.2	0.50	mg/Kg	EPA 6010B	10/21/13 14:36
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 19:35
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 19:35
Ethylbenzene	0.037	0.0050	mg/Kg	EPA 8260B	10/22/13 19:35
Total Xylenes	0.015	0.0050	mg/Kg	EPA 8260B	10/22/13 19:35
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13 19:35
TPH as Gasoline	1.3	1.0	mg/Kg	EPA 8260B	10/22/13 19:35
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/22/13 19:35
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/22/13 19:35

QC Report : Method Blank Data

Project Name : **I42611117 0001**

Project Number : **I42611117 0001**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	10/21/13
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/13
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	10/22/13
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	10/22/13
Toluene - d8 (Surr)	101		%	EPA 8260B	10/22/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
-----------	----------------	------------------------	-------	-----------------	---------------

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42611117 0001**Project Number : **I42611117 0001**

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	86316-01	29	49.5	49.5	71.1	68.0	mg/Kg	EPA 6010B	10/21/13	84.4	78.1	4.50	75-125	20
Benzene	86314-01	<0.0050	0.0388	0.0394	0.0354	0.0356	mg/Kg	EPA 8260B	10/22/13	91.3	90.5	0.846	70.0-130	25
Ethylbenzene	86314-01	0.037	0.0388	0.0394	0.0473	0.0768	mg/Kg	EPA 8260B	10/22/13	26.6	101	116	70.0-130	25
Methyl-t-butyl ether	86314-01	<0.0050	0.0386	0.0392	0.0384	0.0358	mg/Kg	EPA 8260B	10/22/13	99.3	91.1	8.59	60.0-130	25
P + M Xylene	86314-01	0.012	0.0388	0.0394	0.0430	0.0496	mg/Kg	EPA 8260B	10/22/13	81.0	96.5	17.5	70.0-130	25
Toluene	86314-01	<0.0050	0.0388	0.0394	0.0361	0.0349	mg/Kg	EPA 8260B	10/22/13	93.1	88.6	4.91	70.0-130	25

QC Report : Laboratory Control Sample (LCS)Project Name : **I42611117 0001**Project Number : **I42611117 0001**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Lead	50.0	mg/Kg	EPA 6010B	10/21/13	96.5	85-115
Benzene	0.0400	mg/Kg	EPA 8260B	10/22/13	88.6	70.0-130
Ethylbenzene	0.0400	mg/Kg	EPA 8260B	10/22/13	97.0	70.0-130
Methyl-t-butyl ether	0.0399	mg/Kg	EPA 8260B	10/22/13	87.1	60.0-130
P + M Xylene	0.0400	mg/Kg	EPA 8260B	10/22/13	96.2	70.0-130
Toluene	0.0400	mg/Kg	EPA 8260B	10/22/13	91.3	70.0-130



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

SRG # / Lab No.

86314

Page 1 of 1

Project Contact (Hardcopy or PDF To): <i>Dennis Dettloff</i>		California EDF Report? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request																															
Company / Address: <i>Anteo Group</i>		Sampling Company Log Code:		Analysis Request										TAT																					
Phone #: <i>(916) 503-1261</i>	Fax #:	Global ID:		8260B GRO, BTEX, MTBE, ETBE, DIPE, TAME, TBA, ethanol, 1,2 DCA, EDB <i>8260B GRO BTEX MTBE</i> <i>6010 Lead</i>										<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		For Lab Use Only																			
Project #: <i>I4261117 0001</i>	P.O. #:	EDF Deliverable To (Email Address): <i>dennis.dettloff@antegroup.com</i>																																	
Project Name:		Sampler Signature: <i>Jonathan J. Williams</i>																																	
Project Address: <i>7210 Bancroft Ave Oakland, CA</i>		Sampling		Container				Preservative			Matrix																								
Sample Designation	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil																						
<i>Waste Soil</i>	<i>(Waste)</i>	<i>10/18/13</i>	<i>13:20</i>		X						X		X		X	X	01																		
Relinquished by: <i>Jonathan J. Williams</i>		Date <i>10/18/13</i>	Time <i>16:45</i>	Received by:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="6" style="text-align: center;">For Lab Use Only: Sample Receipt</td> </tr> <tr> <td style="text-align: center;">Temp °C</td> <td style="text-align: center;">Initials</td> <td style="text-align: center;">Date</td> <td style="text-align: center;">Time</td> <td style="text-align: center;">Term. ID</td> <td style="text-align: center;">Coolant Present</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">Yes / No</td> </tr> </table>												For Lab Use Only: Sample Receipt						Temp °C	Initials	Date	Time	Term. ID	Coolant Present						Yes / No
For Lab Use Only: Sample Receipt																																			
Temp °C	Initials	Date	Time	Term. ID	Coolant Present																														
					Yes / No																														
Relinquished by:		Date	Time	Received by:																															
Relinquished by:		Date <i>10/18/13</i>	Time <i>16:45</i>	Received by Laboratory: <i>E. J. Williams</i> <i>w/ Analytical</i>																															

SAMPLE RECEIPT CHECKLIST

SRG #: 86214

Sample Receipt	Initials/Date: <i>TSB 10/18/13</i>	Storage Time: <i>1645</i>	Sample Login	Initials/Date: <i>TSB 10/18/13</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>4.6</i>	<input type="checkbox"/> N/A	Therm ID <i>1R3</i>	Time <i>1637</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	
Project ID	X	X	
Sample Date	X	X	
Sample Time	X	X	
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?		/	

Receipt Details:		
Matrix	Container Type	# of Containers
<i>SO</i>	<i>Stone</i>	<i>01</i>

Comments:

CS Required:

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

Laboratory Results


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

Subject : 1 Soil Sample
Project Name : I42611117
Project Number : 2611117

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
Project Name : I42611117
Project Number : 2611117

Case Narrative

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

Recoveries for some Matrix Spike/Matrix Spike Duplicate analytes were outside of control limits. This may indicate a bias for the samples that were spiked. Since the LCS recoveries were within control limits, no data are flagged.



Report Number : 86724

Date : 12/04/13

Analysis Summary

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

Project Name :I42611117

Project Number : 2611117

Sample Name			Waste Soil	
Sample Date			11/26/13	
Analyte	Method	Units	MRL	Results
Antimony	EPA 6010B	mg/Kg	0.75	ND
Arsenic	EPA 6010B	mg/Kg	0.75	4.1
Barium	EPA 6010B	mg/Kg	0.50	120
Beryllium	EPA 6010B	mg/Kg	0.25	0.39
Cadmium	EPA 6010B	mg/Kg	0.50	ND
Chromium	EPA 6010B	mg/Kg	0.25	45
Cobalt	EPA 6010B	mg/Kg	0.25	13
Copper	EPA 6010B	mg/Kg	0.50	32
Lead	EPA 6010B	mg/Kg	0.50	4.6
Mercury	EPA 7471A	mg/Kg	0.050	0.10
Molybdenum	EPA 6010B	mg/Kg	0.25	ND
Nickel	EPA 6010B	mg/Kg	0.25	50
Selenium	EPA 6010B	mg/Kg	0.75	ND
Silver	EPA 6010B	mg/Kg	0.25	ND
Thallium	EPA 6010B	mg/Kg	0.75	ND
Vanadium	EPA 6010B	mg/Kg	0.25	82
Zinc	EPA 6010B	mg/Kg	1.0	41

MRL = Method Reporting Limit

ND = Not Detected

Project Name : **I42611117**

Project Number : **2611117**

Sample : **Waste Soil**

Matrix : Soil

Lab Number : 86724-01

Sample Date :11/26/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	12/04/13 13:37
Arsenic	4.1	0.75	mg/Kg	EPA 6010B	12/04/13 13:37
Barium	120	0.50	mg/Kg	EPA 6010B	12/04/13 13:37
Beryllium	0.39	0.25	mg/Kg	EPA 6010B	12/04/13 13:37
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	12/04/13 13:37
Chromium	45	0.25	mg/Kg	EPA 6010B	12/04/13 13:37
Cobalt	13	0.25	mg/Kg	EPA 6010B	12/04/13 13:37
Copper	32	0.50	mg/Kg	EPA 6010B	12/04/13 13:37
Lead	4.6	0.50	mg/Kg	EPA 6010B	12/04/13 13:37
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13 13:37
Nickel	50	0.25	mg/Kg	EPA 6010B	12/04/13 13:37
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	12/04/13 13:37
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13 13:37
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	12/04/13 13:37
Vanadium	82	0.25	mg/Kg	EPA 6010B	12/04/13 13:37
Zinc	41	1.0	mg/Kg	EPA 6010B	12/04/13 13:37
Mercury	0.10	0.050	mg/Kg	EPA 7471A	12/03/13 14:59

QC Report : Method Blank DataProject Name : **I42611117**Project Number : **2611117**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Antimony	< 0.75	0.75	mg/Kg	EPA 6010B	12/04/13
Arsenic	< 0.75	0.75	mg/Kg	EPA 6010B	12/04/13
Barium	< 0.50	0.50	mg/Kg	EPA 6010B	12/04/13
Beryllium	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13
Cadmium	< 0.50	0.50	mg/Kg	EPA 6010B	12/04/13
Chromium	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13
Cobalt	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13
Copper	< 0.50	0.50	mg/Kg	EPA 6010B	12/04/13
Lead	< 0.50	0.50	mg/Kg	EPA 6010B	12/04/13
Molybdenum	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13
Nickel	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13
Selenium	< 0.75	0.75	mg/Kg	EPA 6010B	12/04/13
Silver	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13
Thallium	< 0.75	0.75	mg/Kg	EPA 6010B	12/04/13
Vanadium	< 0.25	0.25	mg/Kg	EPA 6010B	12/04/13
Zinc	< 1.0	1.0	mg/Kg	EPA 6010B	12/04/13
Mercury	< 0.050	0.050	mg/Kg	EPA 7471A	12/03/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **I42611117**Project Number : **2611117**

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
Antimony	86707-01	< 0.75	49.5	49.5	9.23	9.51	mg/Kg	EPA 6010B	12/4/13	17.8	18.3	2.96	75-125	20
Arsenic	86707-01	4.0	49.5	49.5	50.2	49.8	mg/Kg	EPA 6010B	12/4/13	93.3	92.3	0.990	75-125	20
Barium	86707-01	190	49.5	49.5	321	216	mg/Kg	EPA 6010B	12/4/13	260	46.6	39.4	75-125	20
Beryllium	86707-01	0.72	49.5	49.5	47.5	46.2	mg/Kg	EPA 6010B	12/4/13	94.5	91.9	2.74	75-125	20
Cadmium	86707-01	< 0.50	49.5	49.5	48.0	47.6	mg/Kg	EPA 6010B	12/4/13	96.6	95.9	0.652	75-125	20
Chromium	86707-01	22	49.5	49.5	58.5	56.9	mg/Kg	EPA 6010B	12/4/13	72.8	69.6	2.75	75-125	20
Cobalt	86707-01	6.2	49.5	49.5	50.3	48.5	mg/Kg	EPA 6010B	12/4/13	89.1	85.4	3.67	75-125	20
Copper	86707-01	11	49.5	49.5	52.0	51.4	mg/Kg	EPA 6010B	12/4/13	83.5	82.3	1.15	75-125	20
Lead	86707-01	16	49.5	49.5	62.4	58.4	mg/Kg	EPA 6010B	12/4/13	93.8	85.7	6.64	75-125	20
Molybdenum	86707-01	0.62	49.5	49.5	40.2	39.9	mg/Kg	EPA 6010B	12/4/13	80.0	79.3	0.791	75-125	20

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **I42611117**Project Number : **2611117**

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
Nickel														
Selenium	86707-01	29	49.5	49.5	63.0	61.0	mg/Kg	EPA 6010B	12/4/13	68.0	63.9	3.27	75-125	20
Silver	86707-01	< 0.75	49.5	49.5	44.6	44.9	mg/Kg	EPA 6010B	12/4/13	90.2	90.6	0.453	75-125	20
Thallium	86707-01	< 0.25	24.8	24.8	24.9	24.9	mg/Kg	EPA 6010B	12/4/13	101	100	0.298	75-125	20
Vanadium	86707-01	< 0.75	49.5	49.5	43.6	42.6	mg/Kg	EPA 6010B	12/4/13	88.2	86.1	2.36	75-125	20
Zinc														
	86707-01	17	49.5	49.5	59.2	58.1	mg/Kg	EPA 6010B	12/4/13	84.5	82.1	2.02	75-125	20
	86707-01	58	49.5	49.5	94.4	106	mg/Kg	EPA 6010B	12/4/13	72.6	97.1	12.1	75-125	20
Mercury														
	86724-01	0.10	0.100	0.100	0.212	0.210	mg/Kg	EPA 7471A	12/3/13	112	110	0.948	75-125	20

QC Report : Laboratory Control Sample (LCS)Project Name : **I42611117**Project Number : **2611117**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Antimony	50.0	mg/Kg	EPA 6010B	12/4/13	101	85-115
Arsenic	50.0	mg/Kg	EPA 6010B	12/4/13	99.7	85-115
Barium	50.0	mg/Kg	EPA 6010B	12/4/13	104	85-115
Beryllium	50.0	mg/Kg	EPA 6010B	12/4/13	98.2	85-115
Cadmium	50.0	mg/Kg	EPA 6010B	12/4/13	98.2	85-115
Chromium	50.0	mg/Kg	EPA 6010B	12/4/13	99.3	85-115
Cobalt	50.0	mg/Kg	EPA 6010B	12/4/13	103	85-115
Copper	50.0	mg/Kg	EPA 6010B	12/4/13	96.2	85-115
Lead	50.0	mg/Kg	EPA 6010B	12/4/13	99.4	85-115
Molybdenum	50.0	mg/Kg	EPA 6010B	12/4/13	102	85-115
Nickel	50.0	mg/Kg	EPA 6010B	12/4/13	97.5	85-115
Selenium	50.0	mg/Kg	EPA 6010B	12/4/13	96.9	85-115
Silver	25.0	mg/Kg	EPA 6010B	12/4/13	101	85-115
Thallium	50.0	mg/Kg	EPA 6010B	12/4/13	99.5	85-115
Vanadium	50.0	mg/Kg	EPA 6010B	12/4/13	97.0	85-115
Zinc	50.0	mg/Kg	EPA 6010B	12/4/13	100	85-115
Mercury	0.100	mg/Kg	EPA 7471A	12/3/13	104	85-115



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

SRG # / Lab No.

86724

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: 11050 White Rock Road Suite 103		Sampling Company Log Code:								Analysis Request			
Phone #: 916 503-1261	Fax #: 916 638-8388	Global ID:		CAM 17 mobile 6010				<input type="checkbox"/> 12 hr	For Lab Use Only				
Project #: 261117	P.O. #:	EDF Deliverable To (Email Address): Jonathan.Fillingame@autograp.com						<input type="checkbox"/> 24 hr					
Project Name: 14261117		Sampler Signature: <i>Jonathan Fillingame</i>		<input type="checkbox"/> 48hr	<input type="checkbox"/> 72 hr	<input checked="" type="checkbox"/> 1 wk							
Project Address: 7210 Bancroft		Sampling		Container		Preservative		Matrix					
Sample Designation	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar		HCl	HNO ₃	None	Water
Waste Soil		11/26/13	9:00				X				X		X
Relinquished by: <i>Jonathan Fillingame</i>		Date: 11/26/13	Time: 14:15	Received by:		For Lab Use Only: Sample Receipt							
Relinquished by:		Date:	Time:	Received by:									
Relinquished by:		Date: 11/26/13	Time: 14:15	Received by Laboratory: <i>E. J. [Signature]</i>									
		Temp °C	Initials	Date	Time	Term. ID	Coolant Present						
							Yes / No						



SAMPLE RECEIPT CHECKLIST

SRG #: 86724

Sample Receipt Initials/Date: TJB 112613 Storage Time: 1415 Sample Login Initials/Date: TJB 112613

TAT: Standard Rush Split None Method of Receipt: Courier Over-the-counter Shipped

Temp °C 4.8 N/A Therm ID 1R3 Time 1415 Coolant present Yes No Water Temp Excursion

For Shipments Only: Cooler Receipt Initials/Date/Time: Custody Seals N/A Intact 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	
Project ID	X	X	
Sample Date	X	X	
Sample Time	X	X	
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
<u>SO</u>	<u>glass</u>	<u>01</u>

CS Required:

Proceed With Analysis: YES NO Init/Date: _____

Client Communication: _____

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 1 / 6 / 14	Responsible for Payment:	Transport Truck #: 393 / 733	Facility #: A07	Approval Number: 42113	Load #: 10011
---------------------------------	--------------------------	---------------------------------	--------------------	---------------------------	------------------

Generator's Name and Billing Address: POWER QUALITY AND ELECTRICAL SYSTEMS, INC. ATTN: TEJINDAR SINGH 7210 BANCROFT AVENUE OAKLAND, CA 94605	Generator's Phone #: 510-553-0108	
	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) 78 STATION NO. 261117 7210 BANCROFT AVE. OAKLAND, CA 94605	Site Phone #:	
	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): (name & address) SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001	
	Person to Contact: DELLENA JEFFREY	
	FAX#: (760) 248-8004	

Transporter Name and Mailing Address: BELSHIRE 26971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 220669	Transporter's Phone #: 949-480-6200	CARD00183813
	Person to Contact: LARRY MOOTHART	460847
	FAX#: 949-480-6210	Customer Account Number

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"/>	2 dms		38480	37300	1180
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"/>					.59

List any exception to items listed above: _____ Scale Ticket # 1122413

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 <input type="checkbox"/> Consultant <input checked="" type="checkbox"/> Jonathan Fillingame	Signature and date: <i>Jonathan Fillingame</i>	Month Day Year 12 / 11 / 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: PAUL DELIAZ	Signature and date: <i>Paul Deliaz</i>	Month Day Year 12 / 18 / 13
------------------------------------	---	--------------------------------

Discrepancies:
261117
965903

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: <i>[Signature]</i>	1-6-14
--	---	--------

Generator and/or Consultant

Transporter

Recycling Facility

Please print or type.