Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 1257
San Ramon, CA 94583
Phone: (925) 275-3801
Fax: (925) 275-3815

15 June 2007

Re: Soil & Ground-Water Investigation Report
Former BP Station # 11117
7210 Bancroft Avenue
Oakland, California
ACEH Case # RO0000356

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct."

Submitted by:

Paul Supple
Environmental Business Manger

SOIL & GROUND-WATER INVESTIGATION REPORT
Former BP Service Station No. 11117
7210 Bancroft Avenue
Oakland, California

Prepared for:

Mr. Paul Supple
Environmental Business Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by:

BROADBENT & ASSOCIATES, INC.
1324 Mangrove Ave., Suite 212
Chico, California 95926
(530) 566-1400
www.broadbentinc.com

15 June 2007

Project No. 06-08-649

Broadbent & Associates, Inc.
1324 Mangrove Ave., Suite 212
Chico, CA 95926
Voice (530) 566-1400
Fax (530) 566-1401

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

15 June 2007

Project No. 06-08-649

Atlantic Richfield Company
P.O. Box 1257
San Ramon, CA 94583
Submitted via ENFOS

Attn.: Mr. Paul Supple

Re: Soil & Ground-Water Investigation Report, Former BP Station #11117, 7210 Bancroft Avenue, Oakland, California; ACEH Case # RO0000356

Dear Mr. Supple:

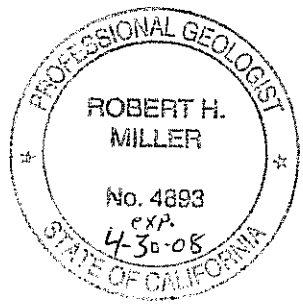
Broadbent & Associates, Inc. (BAI) is pleased to submit this *Soil & Ground-Water Investigation Report* for Former BP Station #11117 (herein referred to as Station #11117) located at 7210 Bancroft Avenue, Oakland, California (Site). This report presents a description of field activities conducted and results obtained from drilling soil and ground-water borings in three areas on the Site. This work was conducted in accordance with the *Work Plan for Onsite Soil and Ground-Water Investigation* (BAI, 16 October 2006), as approved by Alameda County Environmental Health Services (ACEH) in their letter dated 19 March 2007.

Should you have questions or require additional information, please do not hesitate to contact us at (530) 566-1400.

Sincerely,
BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E.
Senior Engineer

Robert H. Miller, P.G., C.HG.
Principal Hydrogeologist



Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health (Submitted via ACEH ftp site)
Ms. Shelby Lathrop, ConocoPhillips (Submitted via WebXtender)
Electronic copy uploaded to GeoTracker

SOIL & GROUND-WATER INVESTIGATION REPORT
Former BP Service Station No. 11117
7210 Bancroft Avenue
Oakland, California

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SOIL & GROUND-WATER INVESTIGATION REPORT
Former BP Service Station No. 11117
7210 Bancroft Avenue
Oakland, California

1.0 INTRODUCTION

On behalf of the Atlantic Richfield Company, RM – a BP affiliated company, Broadbent & Associates, Inc. (BAI) has prepared this Soil & Ground-Water Investigation Report for additional soil and ground-water characterization at the Former BP Service Station No.11117, located at 7210 Bancroft Avenue, Oakland, California (Site). This soil and ground-water investigation was completed to further assess the vertical extent of hydrocarbon contamination in the southern portion of the Site. Investigation activities were conducted in accordance with the BAI *Work Plan for Onsite Soil and Ground-Water Investigation* dated 16 October 2006, as approved by the Alameda County Environmental Health (ACEH) in their letter dated 19 March 2007. In addition, ACEH technical comments within the 19 March 2007 letter requested installation of one additional soil boring near the northeast corner of the Site. This report includes discussions on the Site Background, Field Activities Performed, Results of Investigation, Site Geology, Hydrogeology and Contaminant Distribution, Conclusions and Recommendations.

2.0 SITE BACKGROUND

The Site is an active 76-brand gasoline retail outlet located on the northern corner of Bancroft Avenue and 73rd Avenue in Oakland, Alameda County, California (Figure 1). The 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 discontinued its operations at the facility and transferred facility operations to TOSCO Marketing Company.

The Site consists of a service station building and 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 fronting 73rd Avenue and Bancroft Avenue, respectively.

3.0 FIELD ACTIVITIES PERFORMED

The soil and ground-water investigation was completed to further assess the vertical extent of petroleum hydrocarbon impacted soil and ground-water on the southern and eastern portions of the Site. On the 26th and 27th of April 2007, Stratus Environmental, Inc. (Stratus) advanced a total of ten soil borings within three distinct locations to evaluate the vertical extent of petroleum hydrocarbon impacted soil and ground water onsite. Investigation location CPT-1 was located southwest of the dispenser islands and southeast of monitoring well MW-1. Investigation

location CPT-2 was located south of the dispenser islands and southwest of monitoring well MW-4. Investigation location CPT-3 was placed in the eastern corner of the Site at the request of ACEH. The soil boring locations from this April 2007 investigation are shown in Figure 2.

3.1 Preliminary Field Activities

Prior to initiating field activities, Stratus obtained the necessary well drilling permit from the Alameda County Public Works Agency (See Appendix A), prepared a Site health and safety plan specific to the work scope; and cleared the Site for subsurface utilities. The utility clearance included notifying Underground Service Alert of the work a minimum of 48 hours prior to initiating the field investigation, and additionally securing the services of a private utility locating company to confirm the absence of underground utilities at each boring location. Boreholes were physically cleared to a minimum of five feet below ground surface (bgs) using an air and water knife rig.

3.2 Soil Boring Advancement

On the 26th and 27th of April 2007, Stratus field personnel observed Gregg Drilling and Testing, Inc. (Gregg) of Martinez, California advance a total of ten soil borings in three distinct onsite investigation locations (CPT-1 through CPT-3). Each boring was physically cleared to a minimum depth of five feet bgs using an air and water knife. Gregg utilized a Cone Penetration Test (CPT) drill rig to reach a maximum depth of 60 feet at each boring location. The CPT procedure is a process whereby soil characteristics are determined when a cone penetrometer is driven into the subsurface. The CPT provides a rapid, reliable and economical means of determining soil stratigraphy, relative density, strength, and hydrogeologic information (e.g., static and dynamic pore pressure, hydraulic conductivity). CPT is a technology endorsed by the US EPA in its *Expedited Site Assessment Tools for Underground Storage Tank Sites* (EPA 510-B-97-001). This technology was coupled with the use of a Ultra-Violet Induced Fluorescence (UVIF) module, which was used to determine the vertical extent of hydrocarbon contamination within the boring profile. The UVIF system uses a 254-nanometer UV light source that is focused on soil or ground water through a sapphire window. If aromatic hydrocarbons are present, the resulting fluorescence will return through fiber-optic cable for analysis at the ground surface. Physical soil samples were not collected for laboratory analysis or observation by a Stratus geologist due to the use of the CPT and UVIF technology.

A total of four borings were driven at boring location CPT-1. The first boring was advanced with a UVIF tip to a total depth of approximately 41 ft bgs, where refusal was met. An additional boring (CPT-1a) was advanced without the UVIF tip to reach the target depth of 60 ft bgs. One separate boring within the same area was utilized to collect ground-water samples from 30-34 ft bgs and 37-41 ft bgs. One additional boring within this area was installed to collect ground-water samples from 56-60 ft bgs. However, after one hour, no ground water accumulated. Three soil borings were driven at boring location CPT-2. The first boring was advanced without the UVIF module to enable a maximum depth of approximately 60 ft bgs to be reached. The UVIF module is larger in diameter than the CPT rods, which considerably increases friction and may lead to early refusal. During the advancement of this boring, five

separate pore pressure dissipation tests were conducted at depths of approximately 14.6 ft, 23.1 ft, 30.0 ft, 50.7 ft and 60.0 ft bgs. Two additional borings were advanced at location CPT-2 to collect ground-water samples from 28-32 ft bgs and 37-41 ft bgs. Three soil borings were driven at boring location CPT-3. The first boring was advanced with the UVIF tip to a depth of approximately 60 ft bgs. Two additional borings were installed to collect ground water from 23-27 ft bgs, 28-32 ft bgs, and 56-60 ft bgs.

3.3 Ground-Water Sampling

Ground-water samples were collected from borings at locations CPT-1, CPT-2, and CPT-3 to delineate the depth of hydrocarbon contamination onsite. Gregg used a depth-discrete ground-water sampler to collect the samples. The sampler consisted of a retrievable Poly-Vinyl Chloride (PVC) screen with a steel drop-off tip. The sampler was lowered to the desired depth in each boring and the push rods were retracted, exposing the filter screen and allowing ground-water to infiltrate into the screened interval. A thin, disposable bailer was then lowered through the push rods into the screened section for sample collection.

Two separate borings were installed at CPT-1 to enable the collection of ground-water samples. The first boring was drilled to a depth of 34 ft bgs and a temporary PVC screen was opened from 30-34 ft bgs. Ground water accumulated after approximately seven minutes and was then sampled. This boring was deepened to 41 ft bgs and a temporary PVC screen opened from 37-41 ft bgs. Ground water accumulated within this interval after approximately 15 minutes and was sampled. An adjacent but separate boring was advanced to a depth of 60 ft bgs and a temporary PVC screen opened from 56-60 ft bgs. However, no ground water accumulated within one hour, so no ground-water sample was collected from this depth.

Two adjacent but separate borings were installed at CPT-2 to allow for the collection of ground-water samples. The first boring was drilled to a depth of 32 ft bgs and a temporary PVC screen opened from 28-32 ft bgs. Ground water accumulated immediately and was sampled. This same boring was the deepened to approximately 41 ft bgs and a temporary PVC screen opened from 37-41 ft bgs. Ground water accumulated immediately and was sampled. The second but adjacent boring at location CPT-2 was advanced to approximately 60 ft bgs and a temporary PVC screen opened from 56-60 ft bgs. Ground water began to accumulate after 23 minutes. However, after approximately 90 minutes had elapsed, an insufficient volume of ground water had collected to meet the required sample volume. The screened interval was increased by eight feet (48-60 ft bgs). Even after an additional 30 minutes, insufficient ground water had accumulated to collect a sample.

Two separate but adjacent borings were installed at CPT-3 to enable the collection of ground-water samples. The first boring was advanced to a depth of 22 ft bgs and a temporary PVC screen opened from 18-22 ft bgs. Ground water did not accumulate after approximately one hour had elapsed. The same boring was deepened to 27 ft bgs and a temporary PVC screen opened from 23-27 ft bgs. Ground water accumulated after approximately 23 minutes and was sampled. The same boring was then advanced further to a depth of 32 ft bgs and a temporary PVC screen opened from 28-32 ft bgs. Ground water began to accumulate after approximately four minutes

and was sampled. The second but adjacent boring at CPT-3 was drilled to a depth of approximately 60 ft bgs and a temporary PVC screen opened from 56-60 ft bgs. Ground-water accumulated immediately and was sampled.

3.4 Investigation-Derived Residuals Management

Residual solids and liquids generated during the Site investigation activities were stored temporarily onsite in Department of Transportation-approved 55-gallon drums pending analytical results and profiling. Following characterization and profiling, Belshire Environmental Services was scheduled to be transported the investigation-derived residuals to an RM-approved facility for treatment or disposal.

4.0 RESULTS OF INVESTIGATION

4.1 Results of In-situ CPT Characterization

Utilizing CPT, *in-situ* geophysical, geochemical, and geotechnical measurements of subsurface conditions were made using specialty sensors in the tip or "cone" of the direct-push rods. The ratio of sleeve resistance to tip resistance, which is referred to as the friction ratio, is used to interpret the soil types encountered. In general, sandy soils have high tip resistance and low friction ratios, whereas clayey soils have low tip resistance and higher friction ratios. CPT records soil behavior rather than actual soil type because in addition to grain size, the soil's degree of sorting, roundness, and mineralogy can also influence tip resistance. In general, soil behavior type correlates well with soil type.

The underlying material observed in boring location CPT-1 consisted of clays, sandy silts, poorly-graded sands, and silty clays. Clay was found within the boring from approximately 5-15 ft bgs. Silty clays, poorly-graded sands and sandy silts were observed in alternating layers between approximately 15-40 ft bgs. Silty sands, sandy silts and sands were the main soil classifications found between approximately 40-60 ft bgs. Ground water was first encountered at approximately 30 ft bgs. The UVIF module used during the first boring at CPT-1 registered hydrocarbon contamination throughout the vertical profile, with the highest concentrations observed within the first five ft bgs (See Appendix A). However, refusal of the UVIF module occurred at approximately 41 ft bgs in CPT-1

The underlying material observed in boring location CPT-2 consisted of clays, silty sands, clayey silts, sandy silts and poorly-graded sands. A small layer of clay was found between approximately 5-9 ft bgs. Clayey silt and sandy silt comprised the section from approximately 9-16 ft bgs with a small lens of poorly-graded sands observed at approximately 10 ft bgs. Silty sands, clayey silts, sandy silts and poorly-graded sands were found in alternating layers between 16-40 ft bgs. Sandy silts and silty clays were observed from approximately 40-60 ft bgs. The UVIF module was not used for this boring to enable the target depth of 60 ft bgs to be reached. Ground water was first encountered at approximately 30 ft bgs, with a potentiometric head of 15 ft bgs. During the advancement of boring CPT-2, five separate pore-pressure dissipation tests

were conducteed at 14.6, 23.1, 30.0, 50.7, and 60.0 ft bgs. Pore pressure at 14.6 ft bgs was negligible. Pore pressure at 23.1 ft bgs climbed steadily between 5.0 to 13.5 pounds per square inch (psi) over 440 seconds. Pore pressure at 30 ft bgs rose quickly to approximately 6.5 psi within the first 100 seconds and was then flat through 705 seconds. Pore pressure at 50.7 ft bgs was negligible. Pore pressure at 60 ft bgs rose steadily from 4.0 to 12.5 psi over the 765 second test.

Soils observed in boring location CPT-3 consisted of clays, silty clays, silty sands, sandy silts and clayey silts. A small layer of clay was observed between approximately 5-10 ft bgs. Alternating layers of silty sands, sandy silts and clayey silts were found between 10-32 ft bgs. Sandy silts and clayey silts comprised the main soil classifications from 32-60 ft bgs. The UVIF module was advanced to a depth of 58 ft bgs. The UVIF module registered detectable hydrocarbon contamination from ground surface to approximately 35 feet bgs and between 48-58 ft bgs. Hydrocarbon contamination was not detected between approximately 35-48 ft bgs. The highest aromatic hydrocarbon concentrations were observed within the first five feet of the boring and at approximately 30 ft bgs.

4.2 Ground-Water Analytical Results

Ground-water samples were shipped to TestAmerica Analytical Testing Corporation (Morgan Hill), a California State-certified laboratory, under chain-of-custody protocol. Samples were analyzed for gasoline range organics (GRO, hydrocarbon chain lengths between C4-C12) by LUFT GCMS methodology; and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tert-butyl ether (MTBE), ethyl tert-butyl ether (ETBE), tert-Amyl methyl ether (TAME), Di-isopropyl ether (DIPE), 1,2-Dichloroethane (1,2-DCA), 1,2-Dibromoethane (EDB), tert-Butyl alcohol (TBA), and ethanol using EPA Method 8260B. No significant irregularities were encountered during laboratory analysis of the ground-water samples. A copy of the laboratory analytical report, including chain-of-custody documentation, is provided in Appendix A. The laboratory analytical results are tabulated in Table 1 and summarized below:

- GRO was detected above laboratory reporting limits in five of the seven ground-water samples collected at concentrations 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 ground-water samples collected at concentrations 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 ground-water samples collected at concentrations 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 ground-water samples collected at concentrations 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 ground-water samples collected at concentrations 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 ground-water samples collected at concentrations 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 ground-water sample CPT-2-37'-41' at a concentration of 2,400 µg/L.

The remaining analytes were not detected above their respective reporting limits in the seven ground-water samples collected.

5.0 SITE GEOLOGY, HYDROGEOLOGY, AND CONTAMINANT DISTRIBUTION

This CPT boring investigation added insight to the understanding of subsurface Site geology, hydrogeology, and contaminants distribution. It was previously understood that the Site is typically underlain by clays with one to six foot thick intervals of silts, sands and gravels to a total explored depth of approximately 60 feet bgs. Boring logs for wells MW-1, MW-2, MW-6 and MW-7 indicate less than five feet of sand and/or gravel encountered, while those for wells MW-3, MW-4, MW-8, MW-9, MW-10, EX-1 and EX-2 indicate more than ten feet of sand and/or gravel encountered. The lithology observed in the more recent soil borings A-1 through A-5 and A-7 through A-10 was predominately a clay gravel layer in the first foot. Silty clays and clayey silts were then encountered to a depth of approximately 14-20 ft bgs. Clayey sands and sandy and clayey gravels were then encountered to a depth of approximately 25-30 ft bgs. Gravels and sands were then encountered to a depth of approximately 45 ft bgs. Silty clay was encountered below 45 ft bgs, specifically in boring A-1, where the total depth explored was 46 ft bgs. The most recent CPT boring investigation exhibits a shallow but dry sandy layer 3-6 ft thick dipping towards the southwest in the southwestern portion of the Site. A similar sandy layer is observed in the northeastern portion of the Site. Both of these sandy layers are less than 25 ft bgs and do not bear ground water. As seen in CPT-1 and CPT-2, two water-bearing sandy zones were identified at depths between 27-35 ft bgs and 37-42 ft bgs. These two water-bearing zones are seen slightly higher in the boring log for monitoring well MW-4, but only as one sandy layer higher in the log of well MW-2. It is believed that these two sandy layers contain the higher concentrations of hydrocarbon contamination found in ground water at the Site. Logs from soil borings and monitoring wells across the Site are included within Appendix B as are previously interpreted geologic cross-sections. A new geologic cross-section of the Site utilizing the CPT boring information and oriented parallel to the prevalent ground-water flow direction is provided as Figure 3.

The elevation of the Site is approximately 50 ft above mean sea level. The water table fluctuates seasonally and has risen about 10 ft since 1992. Figure 4 presents historic depth to water

measurements for wells MW-2, MW-4, EX-1, and EX-2 at the Site. The static depth to water in monitoring wells at the Site has ranged between an historic minimum of 9.49 ft bgs (MW-3 on 5/22/2000) and maximum of 34.07 feet bgs (MW-2 on 12/27/1993). However, it is possible that the minimum measurement was an anomaly, as the next minimum depth to water measurement was 12.04 ft bgs (MW-8 on 1/18/2005). Historically, depth-to-water measurements have more typically ranged around 15 to 20 feet bgs (Table 2). Also presented in Table 2 are historic concentrations of petroleum hydrocarbon contamination reported from monitoring well samples collected at the Site. Table 3 presents historic concentrations of fuel additives reported from monitoring well samples collected from the Site. Ground-water flow direction during the first quarter monitoring event on 20 February 2007 was to the northeast at a gradient of 0.004 ft/ft. Historic ground-water flow directions and gradients for the Site are summarized in Table 4, along with a rose diagram graphically illustrating this trend in flow directions. Based on historical quarterly ground-water monitoring data, potentiometric contours indicate that local ground water generally flows towards the northeast. Although this flow direction seems contrary to the surface topography and assumed flow direction towards the southwest, it is similar to the recent ground-water flow directions reported at the nearby Chevron Station across the street at 7225 Bancroft Avenue. The fact that ground water contaminated with petroleum hydrocarbons is not found in higher concentrations in the northeast portion of the Site may be due in some part to the southwesterly sloping sandy layers in the southern portion of the Site.

6.0 CONCLUSIONS AND RECOMMENDATIONS

On behalf of the Atlantic Richfield Company, RM – a BP affiliated company, BAI prepared this Soil & Ground-Water Investigation Report following additional soil and ground-water characterization using CPT technology at the Former BP Service Station No.11117, located at 7210 Bancroft Avenue, Oakland, California. Investigation activities were conducted in accordance with the BAI *Work Plan for Onsite Soil and Ground-Water Investigation* dated 16 October 2006, as approved by the Alameda County Environmental Health (ACEH) in their letter dated 19 March 2007. Based on the findings of this investigation, BAI concludes the following:

- The logs of borings CPT-1 and CPT-2 in the southern portion of the Site exhibited two water-bearing sandy soil layers at depths between 28-42 ft bgs. These relatively sandy layers appear to dip in the southwestern direction – contrary to the prevailing ground-water flow direction towards the northeast.
- Lower permeable soils are predominant below the ground-water table in the northeasterly portion of the Site. The log of boring CPT-3 shows the water-bearing sandy strata appearing to pinch out in this portion of the Site.
- Significant concentrations of petroleum hydrocarbons were detected from the two sandy strata in the southern portion of the Site, including GRO between 25,000 µg/l to 170,000 µg/l, benzene up to 7,700 µg/l, and MTBE up to 6,500 µg/l.
- No ground-water samples could be collected from 60 ft bgs within the sandy silts and clayey silts that were present below 42 ft bgs.

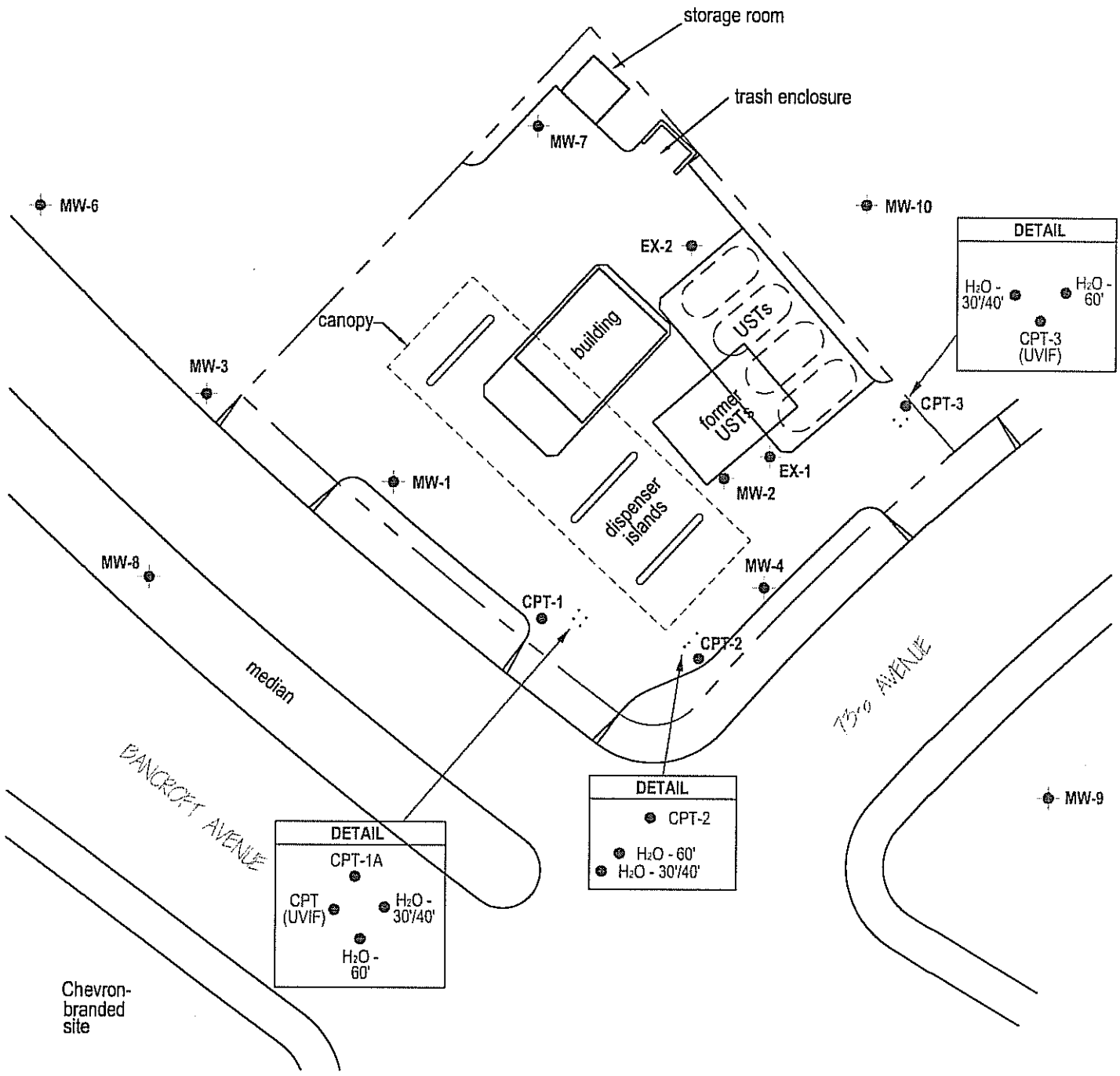
Based on information obtained and presented in this Soil & Ground-Water Investigation Report, BAI makes the following recommendations:

- Dual-phase extraction well screens should be installed across the sandy soil layers with significantly-elevated concentrations of petroleum hydrocarbons found in the southern portion of the Site (in the vicinity of borings CPT-1 and CPT-2). These newly-proposed DPE wells should be connected to the DPE remediation system currently in design for the Site.

7.0 CLOSURE

This document has been prepared for the exclusive use of Atlantic Richfield Company. The findings presented in this report are based upon the observations of Stratus field personnel, points of investigation and results of laboratory tests performed by Test America Analytical Testing Corporation (Morgan Hill, California). Services were performed in accordance with the generally accepted standard of practice at the time this report was written. No warranty, expressed or implied, is intended. It is possible that variations in the soil or groundwater conditions could exist beyond the points explored in this investigation. Also, changes in site conditions could occur at some time in the future due to variations in rainfall, temperature, regional water usage or other factors.

BROADBENT & ASSOCIATES, INC. ENGINEERING, WATER RESOURCES & ENVIRONMENTAL 1324 Mangrove Ave. Suite 212, Chico, California 95926 Project No.: 06-08-649 Date: 6/18/07	Station #11117 7210 Bancroft Avenue Oakland, California	Site Location Map	Figure 1



NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

NOTE: DETAIL ADDED BY STRATUS 4/26 & 4/27 2007, BASED ON FIELD LOCATIONS

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926
Project No.: 06-08-649 Date: 6/18/07

Station #11117
7210 Bancroft Avenue
Oakland, California

Site Sketch with CPT Boring Locations

Figure 2

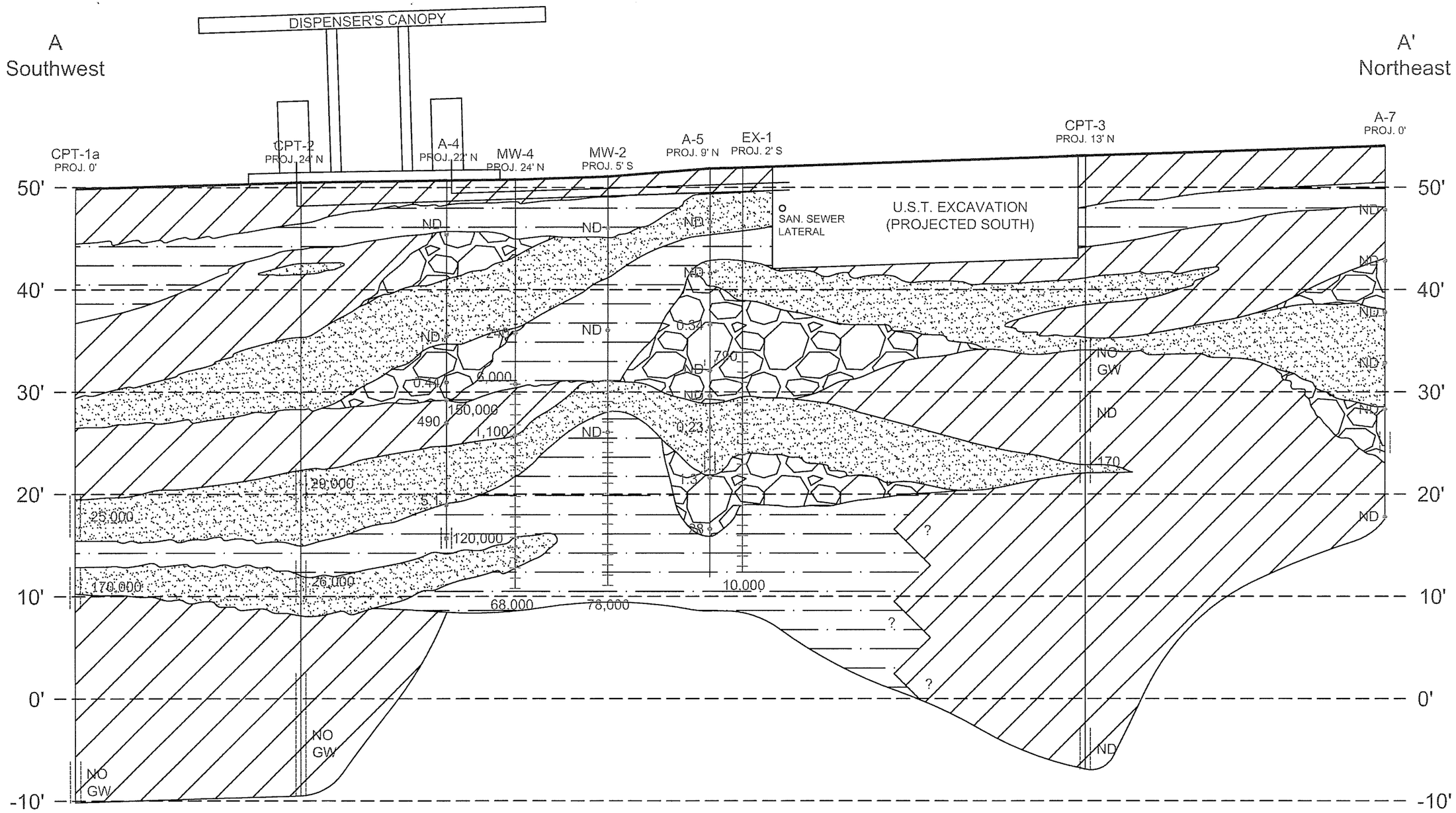


Figure 3

Geologic Cross Section

Former Station #11117
7210 Bancroft Avenue
Oakland, California

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, CA
Project No.: 06-08-852 Date: 5/15/2007

Figure 4. Historical Depth to Water Measurements
Station #11117, 7210 Bancroft Ave., Oakland, California

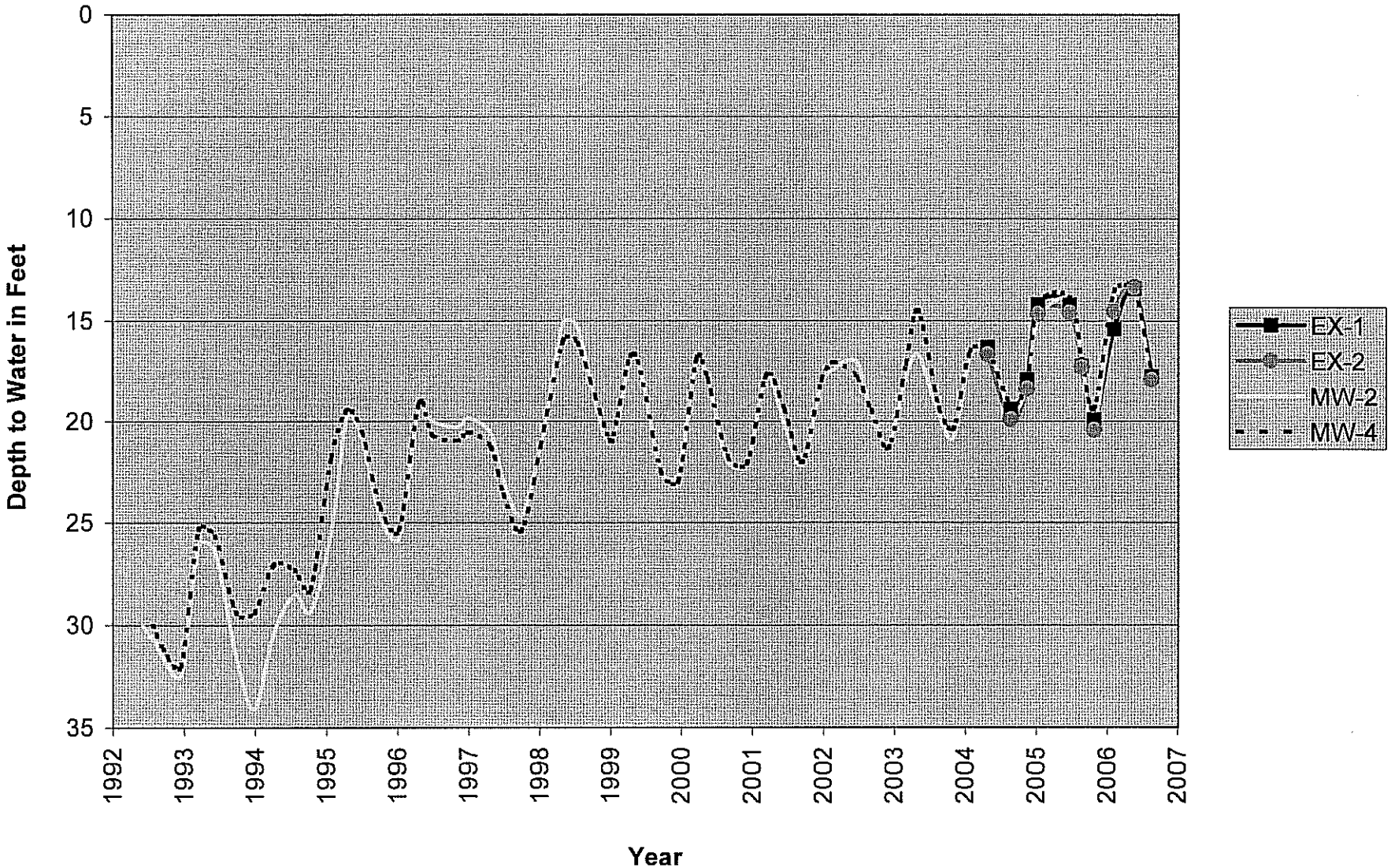


Table 1. Summary of Depth-Discrete Ground-Water Sampling Data
Former BP Service Station No. 11117
7210 Bancroft Avenue, Oakland, California (ACEH Case No. RO0000356)

Boring I.D.	Date	Laboratory Analytical Results (µg/l)												
		GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	DIPE	ETBE	TBA	TAME	Ethanol	EDB	1,2 DCA
CPT-1-30'-34'	4/27/2007	**25,000**	<50	**57**	**1,200**	**2,400**	<50	<50	<50	<2,000	<50	<30,000	<50	<50
CPT-1-37'-41'	4/27/2007	**170,000**	**2,300**	**600**	**2,600**	**9,600**	**190**	<120	<120	<5,000	<120	<75,000	<120	<120
CPT-2-28'-32'	4/27/2007	**29,000**	**450**	**670**	**2,100**	**4,100**	<100	<100	<100	<4,000	<100	<60,000	<100	<100
CPT-2-37'-41'	4/27/2007	**26,000**	**7,700**	<50	**530**	**290**	**6,500**	<50	<50	**2,400**	<50	<30,000	<50	<50
CPT-3-23'-27'	4/26/2007	<50	**0.51**	<0.5	<0.5	<0.5	**9.2**	<0.5	<0.5	<20	<0.5	<300	<0.5	<0.5
CPT-3-28'-32'	4/26/2007	**170**	<2.5	<2.5	<2.5	<2.5	**280**	<2.5	<2.5	<100	<2.5	<1,500	<2.5	<2.5
CPT-3-56'-60'	4/27/2007	<50	<0.5	<0.5	<0.5	<0.5	**4.4**	<0.5	<0.5	<20	<0.5	<300	<0.5	<0.5
Water Quality Objectives*		5.0	1.0	42	29	17	5.0	0.8	13	12	13	--	0.05	0.5

EDB = 1,2-Dibromoethane
1,2 DCA = 1,2 Dichloroethane
TAME = Tertiary amyl methyl ether
TBA = Tertiary butyl alcohol
GRO = Gasoline Range Organics, C4-C12
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
* = Water Quality Objectives compiled from the CRWQCB's *A Compilation of Water Quality Goals - August 2003* and from other CRWQCB sources.

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
EX-1															
05/04/2004	P	--	16.29	--	--	12,000	2,300	430	740	1,100	2,500	--	SEQM	6.8	h
08/31/2004	P	--	19.39	--	--	13,000	2,500	95	650	1,500	2,100	--	SEQM	6.7	h
11/23/2004	P	--	17.90	--	--	13,000	2,700	94	460	1,700	3,000	--	SEQM	6.9	
01/18/2005	P	--	14.20	--	--	16,000	2,100	390	570	2,500	2,200	--	SEQM	6.6	
06/29/2005	P	--	14.22	--	--	6,400	1,100	52	280	790	1,400	--	SEQM	7.2	
09/01/2005	P	--	17.22	--	--	7,900	2,000	94	400	870	2,000	--	SEQM	6.7	
11/03/2005	P	--	19.92	--	--	22,000	3,200	640	550	3,300	3,000	0.88	SEQM	6.8	
02/14/2006	P	--	15.40	--	--	3,500	<25	<25	<25	74	1,100	--	SEQM	6.8	
5/30/2006	P	--	13.43	--	--	8,600	1,400	120	490	1,300	1,400	--	SEQM	6.8	
8/29/2006	--	--	17.74	--	--	22,000	2,900	210	1,400	3,600	2,500	--	TAMC	6.9	
11/29/2006	P	--	20.25	--	--	15,000	4,000	110	770	2,700	2,700	0.61	TAMC	6.86	
2/20/2007	**P**	**--**	**16.75**	**--**	**--**	**10,000**	**2,500**	**<50**	**550**	**1,300**	**920**	**1.15**	**TAMC**	**7.14**	
EX-2															
05/04/2004	P	--	16.65	--	--	<50	0.63	<0.50	<0.50	0.66	46	--	SEQM	6.7	h
08/31/2004	P	--	19.90	--	--	<250	<2.5	<2.5	<2.5	<2.5	130	--	SEQM	6.9	h
11/23/2004	P	--	18.36	--	--	<50	0.74	<0.50	0.83	3.0	5.8	--	SEQM	6.6	
01/18/2005	P	--	14.67	--	--	<50	<0.50	<0.50	<0.50	0.69	6.5	--	SEQM	6.5	
06/29/2005	P	--	14.60	--	--	<50	<0.50	<0.50	<0.50	0.50	24	--	SEQM	6.8	h
09/01/2005	P	--	17.28	--	--	<50	<0.50	1.4	<0.50	1.4	55	--	SEQM	7.0	
11/03/2005	P	--	20.42	--	--	<50	0.50	<0.50	<0.50	1.4	39	0.77	SEQM	6.9	
02/14/2006	P	--	14.54	--	--	220	<0.50	3.2	7.5	33	0.72	--	SEQM	7.0	
5/30/2006	P	--	13.35	--	--	<50	<0.50	<0.50	<0.50	0.70	7.8	--	SEQM	6.9	
8/29/2006	--	--	17.92	--	--	66	0.67	<0.50	0.79	1.9	94	--	TAMC	6.9	
11/29/2006	P	--	20.63	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.4	--	TAMC	7.73	
2/20/2007	**P**	**--**	**17.58**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**2.0**	**12**	**1.41**	**TAMC**	**7.77**	
MW-1															
1/5/1992	--	49.80	33.16	--	16.64	57,000	2,400	1,000	1,100	3,100	--	--	--	--	
1/10/1992	--	49.80	33.16	--	16.64	--	--	--	--	--	--	--	--	--	
6/5/1992	--	49.80	29.01	--	20.79	31,000	2,800	2,100	800	2,300	--	--	--	--	

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
7/24/1992	--	49.80	29.45	--	20.35	--	--	--	--	--	--	--	--	--	
7/27/1992	--	49.80	29.45	--	20.35	--	--	--	--	--	--	--	--	--	
9/15/1992	--	--	--	--	--	36,000	3,800	3,400	1,400	3,800	--	--	ANA	--	d
9/15/1992	--	49.80	30.53	--	19.27	40,000	3,400	3,000	1,300	3,400	--	--	ANA	--	c
12/15/1992	--	--	--	--	--	22,000	1,500	440	510	1,300	--	--	ANA	--	d
12/15/1992	--	49.80	31.26	--	18.54	27,000	1,700	580	700	1,900	--	--	ANA	--	c
3/15/1993	--	49.80	24.80	--	25.00	17,000	1,700	1,200	590	1,800	--	--	PACE	--	l
3/15/1993	--	--	--	--	--	15,000	1,100	860	440	1,400	--	--	PACE	--	d, l
6/7/1993	--	--	--	--	--	720	0.7	0.7	<0.5	<0.5	--	--	PACE	--	d, l
6/7/1993	--	49.80	25.01	--	24.79	750	0.8	0.8	<0.5	<0.5	--	--	PACE	--	l
9/23/1993	--	49.80	28.70	--	21.10	40,000	4,000	500	920	3,000	6,619	--	PACE	--	e, l
12/27/1993	--	--	--	--	--	21,000	1,700	380	830	2,400	9,219	--	PACE	--	e, l, d
12/27/1993	--	49.80	28.66	--	21.14	27,000	2,000	400	940	2,600	13,558	--	PACE	--	e, l
4/5/1994	--	49.80	26.37	--	23.43	27,000	3,400	930	950	2,900	8,595	--	PACE	--	e,l,
4/5/1994	--	--	--	--	--	29,000	3,700	1,000	1,000	3,100	9,672	1.3	PACE	--	e,l, d
7/22/1994	--	49.80	26.54	--	23.26	1,700	220	2.3	2	3.4	262	2.0	PACE	--	e,l
10/13/1994	--	49.80	27.46	--	22.34	1,200	250	21	<0.5	3.2	321	2.6	PACE	--	e,l
1/25/1995	--	49.80	20.96	--	28.84	1,000	420	8	13	4	--	--	ATI	--	
4/19/1995	--	49.80	19.59	--	30.21	5,200	420	51	230	340	--	6.0	ATI	--	
7/5/1995	--	49.80	19.61	--	30.19	320	4.2	<0.50	<0.50	<1.0	--	4.6	ATI	--	
10/5/1995	--	49.80	24.40	--	25.40	5,800	1,000	40	31	180	7,800	2.3	ATI	--	
1/12/1996	--	49.80	25.44	--	24.36	370	<0.50	<0.50	<0.50	<1.0	<5.0	3.7	ATI	--	
4/22/1996	--	49.80	18.02	--	31.78	<50	<0.5	<1	<1	<1	<10	3.9	SPL	--	
7/2/1996	--	49.80	19.72	--	30.08	--	--	--	--	--	--	--	--	--	
7/3/1996	--	49.80	--	--	--	<250	<2.5	<5	<5	<5	<50	3.6	SPL	--	
11/8/1996	--	49.80	19.98	--	29.82	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	--	
1/3/1997	--	49.80	19.49	--	30.31	<50	<0.5	14	<1.0	<1.0	<10	4.6	SPL	--	
4/28/1997	--	49.80	20.20	--	29.60	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
7/1/1997	--	49.80	22.53	--	27.27	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
10/2/1997	--	49.80	24.27	--	25.53	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
1/9/1998	--	49.80	21.07	--	28.73	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	

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Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L)			
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE	DO	Lab	pH	Comments
MW-1 Cont.															
5/6/1998	--	49.80	14.94	--	34.86	60	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
7/21/1998	--	49.80	15.11	--	34.69	70	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
12/30/1998	--	49.80	19.95	--	29.85	--	--	--	--	--	--	--	--	--	
2/2/1999	--	49.80	19.12	--	30.68	420	<1.0	<1.0	<1.0	<1.0	390	--	SPL	--	
5/10/1999	--	49.80	15.51	--	34.29	--	--	--	--	--	--	--	--	--	
9/23/1999	--	49.80	21.65	--	28.15	440	49	<1.0	<1.0	<1.0	910	--	SPL	--	
12/23/1999	--	49.80	22.32	--	27.48	--	--	--	--	--	--	--	--	--	
3/27/2000	--	49.80	15.72	--	34.08	2,500	230	3	83	36	4,400	--	PACE	--	
5/22/2000	--	49.80	16.92	--	32.88	--	--	--	--	--	--	--	--	--	
8/31/2000	--	49.80	20.12	--	29.68	1,700	18	5.5	7.9	5	510	--	PACE	--	
12/11/2000	--	49.80	20.72	--	29.08	--	--	--	--	--	--	--	--	--	
3/20/2001	--	49.80	15.91	--	33.89	880	38.2	<0.5	24.1	<1.5	391	--	PACE	--	
6/19/2001	--	49.80	18.38	--	31.42	--	--	--	--	--	--	--	--	--	
9/20/2001	--	49.80	21.23	--	28.57	3,200	400	19.8	42	32.5	2,510	--	PACE	--	
12/27/2001	--	49.80	16.72	--	33.08	750	70.1	0.536	4.74	3.76	649	--	PACE	--	
2/28/2002	--	49.80	15.25	--	34.55	<50	<0.5	<0.5	<0.5	<1.0	8.7	--	PACE	--	
6/28/2002	--	49.80	16.57	--	33.23	110	0.977	<0.5	0.818	<1.0	8.35	--	PACE	--	
9/12/2002	--	49.80	18.41	--	31.39	98	2.7	1.5	1.5	5.4	48	--	SEQ	6.9	
12/12/2002	--	49.80	20.26	--	29.54	210	1.9	<0.50	<0.50	<0.50	32	--	SEQ	6.8	
3/10/2003	--	49.80	16.22	--	33.58	<50	<0.50	<0.50	<0.50	<0.50	3.2	--	SEQ	6.9	
5/12/2003	--	49.80	14.30	--	35.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	7.1	
8/27/2003	--	49.80	18.15	--	31.65	<50	<0.50	<0.50	<0.50	<0.50	4.2	--	SEQ	7.1	n
11/10/2003	P	49.80	19.24	--	30.56	<50	<0.50	<0.50	<0.50	<0.50	0.51	--	SEQM	6.8	
02/03/2004	P	49.80	14.84	--	34.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
05/04/2004	P	49.80	14.67	--	35.13	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
08/31/2004	P	49.80	17.75	--	32.05	<50	<0.50	<0.50	<0.50	<0.50	0.50	--	SEQM	7.1	
11/23/2004	--	49.80	16.03	--	33.77	--	--	--	--	--	--	--	--	--	
01/18/2005	P	49.80	12.47	--	37.33	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
06/29/2005	--	49.80	12.65	--	37.15	--	--	--	--	--	--	--	--	--	
09/01/2005	--	49.80	15.79	--	34.01	--	--	--	--	--	--	--	--	--	
11/03/2005	--	49.80	18.55	--	31.25	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
02/14/2006	P	49.80	12.29	--	37.51	51	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	w
5/30/2006	--	49.80	12.15	--	37.65	--	--	--	--	--	--	--	--	--	
8/29/2006	--	49.80	16.37	--	33.43	--	--	--	--	--	--	--	--	--	
11/29/2006	--	49.80	18.73	--	31.07	--	--	--	--	--	--	--	--	--	
2/20/2007	P	49.80	14.71	--	35.09	110	<0.50	<0.50	0.58	<0.50	<0.50	3.52	TAMC	7.51	
MW-2															
1/5/1992	--	51.07	--	--	--	--	--	--	--	--	--	--	--	--	r
1/10/1992	--	51.07	--	--	--	--	--	--	--	--	--	--	--	--	r
6/5/1992	--	51.07	30.05	--	21.02	11,000	2,000	180	490	1,900	--	--	--	--	
7/24/1992	--	51.07	30.72	--	20.35	--	--	--	--	--	--	--	--	--	
7/27/1992	--	51.07	30.52	--	20.55	--	--	--	--	--	--	--	--	--	
9/15/1992	--	51.07	31.56	--	19.51	75,000	2,000	6,500	2,300	13,000	--	--	ANA	--	c
12/15/1992	--	51.07	32.40	--	18.67	34,000	6,200	8,900	2,000	7,900	--	--	ANA	--	c
3/15/1993	--	51.07	26.14	--	24.93	150,000	12,000	18,000	3,200	22,000	82,000	--	PACE	--	e
6/7/1993	--	51.07	26.38	--	24.69	--	--	--	--	--	--	--	--	--	f
9/23/1993	--	51.07	31.43	1.92	17.72	--	--	--	--	--	--	--	--	--	f
12/27/1993	--	51.07	34.07	1.07	15.93	--	--	--	--	--	--	--	--	--	f
4/5/1994	--	51.07	30.44	3.30	17.33	--	--	--	--	--	--	--	--	--	f
7/22/1994	--	51.07	28.51	0.80	21.76	--	--	--	--	--	--	--	--	--	f
10/13/1994	--	51.07	29.33	0.70	21.04	--	--	--	--	--	--	--	--	--	f
1/25/1995	--	51.07	25.55	4.25	21.27	--	--	--	--	--	--	--	--	--	f
4/19/1995	--	51.07	19.78	0.12	31.17	--	--	--	--	--	--	--	--	--	f
7/5/1995	--	51.07	20.88	0.09	30.10	140,000	14,000	30,000	3,500	26,000	--	--	ATI	--	
10/5/1995	--	51.07	24.68	0.10	26.29	--	--	--	--	--	--	--	--	--	f
1/12/1996	--	51.07	25.72	0.06	25.29	--	--	--	--	--	--	--	--	--	f
4/22/1996	--	51.07	19.33	0.08	31.66	--	--	--	--	--	--	--	--	--	f
7/2/1996	--	51.07	20.01	0.04	31.02	--	--	--	--	--	--	--	--	--	f
11/8/1996	--	51.07	20.28	0.01	30.78	--	--	--	--	--	--	--	--	--	f
1/3/1997	--	51.07	19.87	0.02	31.18	--	--	--	--	--	--	--	--	--	f
4/28/1997	--	51.07	20.59	0.01	30.47	560,000	1,200	1,300	290	2,310	6,100	3.9	SPL	--	

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Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-2 Cont.															
7/1/1997	--	--	--	--	--	150,000	14,000	13,000	1,800	14,200	57,000	--	SPL	--	d
7/1/1997	--	51.07	22.90	0.01	28.16	24,000	15,000	16,000	4,900	24,400	63,000	3.7	SPL	--	
10/2/1997	--	51.07	24.65	0.02	26.40	--	--	--	--	--	--	--	--	--	
10/3/1997	--	51.07	--	--	--	250,000	32,000	39,000	6,000	42,000	160,000	4.5	SPL	--	
1/9/1998	--	--	--	--	--	300,000	20,000	25,000	5,200	37,000	84,000	--	SPL	--	d
1/9/1998	--	51.07	21.22	0.01	29.84	420,000	23,000	29,000	5,800	43,000	75,000	4.0	SPL	--	
2/2/1998	--	51.07	20.11	--	30.96	410,000	27,000	43,000	6,700	50,000	20,000	--	SPL	--	
5/6/1998	--	51.07	15.10	0.01	35.96	180,000	25,000	26,000	3,400	22,900	35,000	3.7	SPL	--	
7/21/1998	--	51.07	15.31	0.01	35.75	270,000	21,000	20,000	2,700	18,800	34,000	3.8	SPL	--	
12/30/1998	--	51.07	21.10	0.10	29.87	300,000	22,000	24,000	4,200	26,000	89000/95000	--	SPL	--	j
5/10/1999	--	51.07	16.68	--	34.39	220,000	20,000	20,000	2,800	20,000	100,000	--	SPL	--	
9/23/1999	--	51.07	22.50	--	28.57	160,000	21,000	24,000	2,900	20,000	44,000	--	SPL	--	
12/23/1999	--	51.07	22.64	--	28.43	170,000	25,000	41,000	3,100	24,000	40,000	--	PACE	--	k
3/27/2000	--	51.07	16.88	--	34.19	140,000	15,000	25,000	3,400	21,000	19,000	--	PACE	--	
5/22/2000	--	51.07	17.75	--	33.32	150,000	18,000	31,000	3,500	22,000	26,000	--	PACE	--	
8/31/2000	--	51.07	21.97	--	29.10	200,000	16,000	26,000	2,500	16,000	38,000	--	PACE	--	
12/11/2000	--	51.07	22.05	--	29.02	130,000	18,600	30,000	3,250	20,600	21,700	--	PACE	--	
3/20/2001	--	51.07	17.75	--	33.32	140,000	15,900	24,800	3,700	22,100	12,900	--	PACE	--	
6/19/2001	--	51.07	20.15	--	30.92	130,000	15,100	19,500	3,300	21,400	20,300	--	PACE	--	
9/20/2001	--	51.07	22.14	--	28.93	110,000	12,400	12,600	2,230	13,000	39,500	--	PACE	--	
12/27/2001	--	51.07	18.17	--	32.90	150,000	17,500	26,000	3,050	19,500	27,500	--	PACE	--	
2/28/2002	--	51.07	17.42	--	33.65	120,000	13,900	18,800	3,030	19,600	17,300	--	PACE	--	
6/28/2002	--	51.07	17.04	--	34.03	3,700	190	23.3	139	287	826	--	PACE	--	u
9/12/2002	--	51.07	19.52	--	31.55	100,000	13,000	22,000	3,600	20,000	18,000	--	SEQ	6.6	
12/12/2002	--	51.07	21.08	--	29.99	120,000	13,000	21,000	4,400	25,000	16,000	--	SEQ	6.6	
3/10/2003	--	51.07	17.84	--	33.23	100,000	17,000	21,000	3,400	20,000	4,400	--	SEQ	6.8	
5/12/2003	--	51.07	16.66	--	34.41	150,000	16,000	24,000	3,500	22,000	3,600	--	SEQ	7.1	
8/27/2003	--	51.07	19.65	--	31.42	120,000	14,000	12,000	3,900	20,000	5,100	--	SEQ	6.9	n
11/10/2003	P	51.07	20.80	--	30.27	97,000	12,000	9,500	3,600	15,000	4,200	--	SEQM	6.7	
02/03/2004	P	51.07	16.82	--	34.25	130,000	14,000	19,000	3,400	20,000	1,900	--	SEQM	6.8	
05/04/2004	P	51.07	16.19	--	34.88	120,000	12,000	16,000	3,700	22,000	2,500	--	SEQM	6.7	

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L) GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	(mg/L) DO	Lab	pH	Comments
MW-2 Cont.															
08/31/2004	P	51.07	19.50	--	31.57	99,000	10,000	13,000	3,700	18,000	3,400	--	SEQM	6.8	
11/23/2004	P	51.07	18.20	--	32.87	110,000	8,200	17,000	4,000	23,000	2,400	--	SEQM	6.7	s
01/18/2005	P	51.07	14.91	--	36.16	96,000	6,500	14,000	3,500	21,000	3,700	--	SEQM	6.6	
06/29/2005	P	51.07	13.98	--	37.09	54,000	6,200	4,900	3,300	12,000	3,600	--	SEQM	7.3	
09/01/2005	P	51.07	17.00	--	34.07	58,000	6,300	6,000	3,300	15,000	5,100	--	SEQM	7.0	
11/03/2005	P	51.07	20.25	--	30.82	63,000	7,400	3,700	3,300	10,000	3,700	0.66	SEQM	6.7	
02/14/2006	P	51.07	13.72	--	37.35	97,000	7,500	11,000	4,300	16,000	3,400	--	SEQM	6.9	
5/30/2006	P	51.07	13.50	--	37.57	28,000	5,200	2,500	1,500	3,300	2,300	--	SEQM	6.7	
8/29/2006	--	51.07	18.16	--	32.91	65,000	7,200	4,500	3,200	11,000	13,000	--	TAMC	6.7	
11/29/2006	P	51.07	20.06	--	31.01	46,000	8,500	4,600	3,300	10,000	11,000	0.56	TAMC	6.91	
2/20/2007	P	51.07	16.43	--	34.64	78,000	9,700	12,000	4,100	16,000	10,000	1.08	TAMC	7.11	
MW-3															
1/5/1992	--	49.95	33.69	--	16.26	7,400	790	23	210	40	--	--	--	--	
1/10/1992	--	49.95	33.74	--	16.21	--	--	--	--	--	--	--	--	--	
6/5/1992	--	49.95	29.65	--	20.30	2,000	130	5.3	93	20	--	--	--	--	
7/24/1992	--	49.95	30.14	--	19.81	--	--	--	--	--	--	--	--	--	
7/27/1992	--	49.95	30.14	--	19.81	--	--	--	--	--	--	--	--	--	
9/15/1992	--	49.95	31.07	--	18.88	450	55	3.1	34	7.1	--	--	ANA	--	
12/15/1992	--	49.95	31.93	--	18.02	12,000	940	<50	310	120	--	--	ANA	--	c
3/15/1993	--	49.95	25.71	--	24.24	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	l
6/7/1993	--	49.95	25.80	--	24.15	150	3.6	<0.5	0.9	1.3	--	--	PACE	--	l
9/23/1993	--	49.95	29.18	--	20.77	--	--	--	--	--	--	--	--	--	
9/24/1993	--	49.95	--	--	--	160	8.4	<0.5	3.7	1.3	153	--	PACE	--	l
12/27/1993	--	49.95	29.25	--	20.70	9,400	1,100	48	530	120	2,871	--	PACE	--	e,l
4/5/1994	--	49.95	26.84	--	23.11	7,000	860	19	330	52	10,414	2.0	PACE	--	l
7/22/1994	--	49.95	26.90	--	23.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.1	PACE	--	l
10/13/1994	--	49.95	27.83	--	22.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.6	PACE	--	l
1/25/1995	--	49.95	21.65	--	28.30	<50	<0.5	<0.5	<0.5	<1	--	--	ATI	--	
4/19/1995	--	49.95	19.33	--	30.62	2,400	170	8	130	27	--	5.0	ATI	--	
7/5/1995	--	49.95	20.27	--	29.68	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	--	

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
10/5/1995	--	49.95	23.73	--	26.22	2,300	210	3.1	10	5.1	2,400	4.2	ATI	--	
1/12/1996	--	49.95	24.84	--	25.11	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.1	ATI	--	
4/22/1996	--	49.95	18.60	--	31.35	<50	<0.5	<1	<1	<1	<10	4.4	SPL	--	
7/2/1996	--	49.95	18.88	--	31.07	<50	<0.5	<1	<1	<1	<10	4.2	SPL	--	
11/8/1996	--	49.95	19.14	--	30.81	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
1/3/1997	--	49.95	18.72	--	31.23	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
4/28/1997	--	49.95	19.38	--	30.57	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
7/1/1997	--	49.95	21.65	--	28.30	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
10/2/1997	--	49.95	23.45	--	26.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.5	SPL	--	
1/9/1998	--	49.95	20.10	--	29.85	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
5/6/1998	--	49.95	15.57	--	34.38	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
7/21/1998	--	--	--	--	--	60	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	d
7/21/1998	--	49.95	15.88	--	34.07	51	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
12/30/1998	--	49.95	20.30	--	29.65	--	--	--	--	--	--	--	SPL	--	
2/2/1999	--	49.95	19.75	--	30.20	<50	<1.0	<1.0	<1.0	<1.0	<10	--	SPL	--	
5/10/1999	--	49.95	16.17	--	33.78	--	--	--	--	--	--	--	--	--	
9/23/1999	--	49.95	22.05	--	27.90	--	--	--	--	--	--	--	--	--	
12/23/1999	--	49.95	22.55	--	27.40	--	--	--	--	--	--	--	--	--	
3/27/2000	--	49.95	16.40	--	33.55	350	22	<0.5	<0.5	<0.5	580	--	PACE	--	
5/22/2000	--	49.95	9.49	--	40.46	--	--	--	--	--	--	--	--	--	t
8/31/2000	--	49.95	13.02	--	36.93	--	--	--	--	--	--	--	--	--	t
12/11/2000	--	49.95	13.30	--	36.65	--	--	--	--	--	--	--	--	--	t
3/20/2001	--	49.95	16.49	--	33.46	1,000	66.4	0.597	6.96	<1.5	398	--	PACE	--	
6/19/2001	--	49.95	18.82	--	31.13	--	--	--	--	--	--	--	--	--	
9/20/2001	--	49.95	21.59	--	28.36	230	<0.5	0.593	<0.5	<1.5	289	--	PACE	--	
12/27/2001	--	49.95	17.37	--	32.58	--	--	--	--	--	--	--	--	--	
2/28/2002	--	49.95	15.81	--	34.14	<50	<0.5	<0.5	<0.5	<1.0	0.58	--	PACE	--	
6/28/2002	--	49.95	17.09	--	32.86	--	--	--	--	--	--	--	--	--	
9/12/2002	--	49.95	18.80	--	31.15	52	3.3	8.6	1.7	12	1.1	--	SEQ	7.0	
12/12/2002	--	49.95	20.57	--	29.38	--	--	--	--	--	--	--	--	--	
3/10/2003	--	49.95	16.68	--	33.27	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	7.0	

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Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
5/12/2003	--	49.95	14.72	--	35.23	--	--	--	--	--	--	--	--	--	
8/27/2003	--	49.95	18.50	--	31.45	<50	<0.50	<0.50	<0.50	0.5	<0.50	--	--	7.1	n
11/10/2003	--	49.95	19.66	--	30.29	--	--	--	--	--	--	--	--	--	
02/03/2004	P	49.95	15.33	--	34.62	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
08/31/2004	P	49.95	18.13	--	31.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
11/23/2004	--	49.95	16.48	--	33.47	--	--	--	--	--	--	--	--	--	
01/18/2005	P	49.95	13.06	--	36.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
06/29/2005	--	49.95	13.00	--	36.95	--	--	--	--	--	--	--	--	--	
09/01/2005	--	49.95	16.00	--	33.95	--	--	--	--	--	--	--	--	--	
11/03/2005	--	49.95	18.91	--	31.04	--	--	--	--	--	--	--	--	--	
02/14/2006	P	49.95	12.90	--	37.05	86	<0.50	<0.50	<0.50	0.55	<0.50	--	SEQM	7.3	
5/30/2006	--	49.95	12.55	--	37.40	--	--	--	--	--	--	--	--	--	
8/29/2006	--	49.95	16.68	--	33.27	--	--	--	--	--	--	--	--	--	
11/29/2006	--	49.95	19.10	--	30.85	--	--	--	--	--	--	--	--	--	
2/20/2007	P	49.95	15.29	--	34.66	56	<0.50	<0.50	<0.50	<0.50	0.89	2.27	TAMC	7.59	
MW-4															
7/24/1992	--	50.76	30.02	--	20.74	42,000	3,200	3,600	1,400	4,100	--	--	--	--	
7/27/1992	--	50.76	30.02	--	20.74	--	--	--	--	--	--	--	--	--	
9/15/1992	--	50.76	31.14	--	19.62	55,000	7,600	13,000	2,800	9,500	--	--	ANA	--	c
12/15/1992	--	50.76	31.98	--	18.78	36,000	3,700	4,700	1,200	4,000	--	--	ANA	--	c
3/15/1993	--	50.76	25.34	--	25.42	69,000	7,600	15,000	2,500	11,000	--	--	PACE	--	l
6/7/1993	--	50.76	25.67	--	25.09	73,000	10,000	19,000	3,400	14,000	--	--	PACE	--	l
9/23/1993	--	50.76	29.37	--	21.39	--	--	--	--	--	--	--	--	--	
9/24/1993	--	50.76	--	--	--	68,000	11,000	2,100	8,600	990	390	--	PACE	--	l
9/24/1993	--	--	--	--	--	59,000	5,300	10,000	2,200	8,400	309	--	PACE	--	d
12/27/1993	--	50.76	29.40	--	21.36	32,000	2,500	4,400	1,300	4,400	387	--	PACE	--	l
4/5/1994	--	50.76	27.09	--	23.67	64,000	6,500	14,000	1,900	9,600	413	1.4	PACE	--	l
7/22/1994	--	50.76	27.33	--	23.43	85,000	10,000	20,000	3,200	13,000	796	0.8	PACE	--	l
7/22/1994	--	--	--	--	--	85,000	11,000	21,000	3,300	14,000	435	--	PACE	--	d,l
10/13/1994	--	50.76	28.25	--	22.51	51,000	7,100	13,000	2,100	8,900	506	2.9	PACE	--	e,l

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Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE	DO			
MW-4 Cont.															
10/13/1994	--	--	--	--	--	51,000	7,400	13,000	2,100	9,100	773	--	PACE	--	d, l
1/25/1995	--	50.76	21.85	--	28.91	26,000	3,600	9,600	1,200	6,400	--	--	ATI	--	
1/25/1995	--	--	--	--	--	28,000	4,200	12,000	1,500	7,800	--	--	ATI	--	d, l
4/19/1995	--	--	--	--	--	100,000	12,000	26,000	3,800	21,000	--	--	ATI	--	d
4/19/1995	--	50.76	19.44	--	31.32	89,000	12,000	24,000	3,500	18,000	--	5.1	ATI	--	
7/5/1995	--	50.76	20.52	--	30.24	130,000	13,000	29,000	3,300	25,000	--	4.3	ATI	--	
10/5/1995	--	50.76	24.23	--	26.53	110,000	10,000	23,000	3,600	17,000	34,000	2.1	ATI	--	
1/12/1996	--	--	--	--	--	40,000	3,500	9,000	1,200	8,700	4,300	--	ATI	--	d
1/12/1996	--	50.76	25.34	--	25.42	46,000	3,500	8,300	1,100	8,000	3,000	3.5	ATI	--	
4/22/1996	--	50.76	19.13	--	31.63	40,000	5,100	9,600	980	11,800	29,000	3.2	SPL	--	
4/22/1996	--	--	--	--	--	61,000	8,300	16,000	600	15,200	36,000	--	SPL	--	d
7/2/1996	--	50.76	20.67	--	30.09	74,000	9,800	21,000	2,100	16,600	41,000	3.4	SPL	--	
7/2/1996	--	--	--	--	--	78,000	9,800	21,000	1,900	15,300	42,000	--	SPL	--	d
11/8/1996	--	--	--	--	--	110,000	9,100	20,000	3,000	15,400	39,000	--	SPL	--	d
11/8/1996	--	50.76	20.95	--	29.81	100,000	7,900	16,000	2,500	13,700	37,000	3.7	SPL	--	
1/3/1997	--	--	--	--	--	66,000	12,000	19,000	2,900	15,000	69,000	--	SPL	--	d
1/3/1997	--	50.76	20.54	--	30.22	99,000	17,000	30,000	4,300	22,700	79,000	4.2	SPL	--	
4/28/1997	--	--	--	--	--	110,000	11,000	26,000	3,200	18,200	34,000	--	SPL	--	d
4/28/1997	--	50.76	21.28	--	29.48	130,000	12,000	28,000	3,800	21,000	37,000	3.9	SPL	--	
7/1/1997	--	50.76	23.61	--	27.15	110,000	16,000	25,000	4,900	24,400	37,000	3.6	SPL	--	
10/2/1997	--	50.76	25.39	--	25.37	--	--	--	--	--	--	--	--	--	
10/3/1997	--	--	--	--	--	71,000	8,600	8,700	2,900	13,500	84,000	--	SPL	--	d
10/3/1997	--	50.76	--	--	--	66,000	8,200	8,600	2,700	13,400	80,000	4.4	SPL	--	
1/9/1998	--	50.76	21.25	--	29.51	100,000	9,700	3,200	1,500	4,700	92,000	3.8	SPL	--	
5/6/1998	--	50.76	15.96	--	34.80	430,000	6,900	31,000	11,000	56,000	<5000	3.9	SPL	--	
5/6/1998	--	--	--	--	--	440,000	8,000	39,000	14,000	70,000	<5000	--	SPL	--	d
7/21/1998	--	--	--	--	--	210,000	11,000	27,000	5,600	26,800	29,000	--	SPL	--	d
7/21/1998	--	50.76	16.10	--	34.66	250,000	11,000	26,000	5,500	26,900	29,000	3.7	SPL	--	
12/30/1998	--	50.76	20.91	--	29.85	370,000	11,000	22,000	8,500	40,000	90000/92000	--	SPL	--	J
2/2/1999	--	50.76	20.13	--	30.63	190,000	4,100	19,000	4,800	32,000	28,000	--	SPL	--	
5/10/1999	--	50.76	16.63	--	34.13	2,700	23	7.1	8.1	25	120	--	SPL	--	

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						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
9/23/1999	--	50.76	22.48	--	28.28	180,000	11,000	29,000	7,000	38,000	12,000	--	SPL	--	
12/23/1999	--	50.76	22.94	--	27.82	66,000	6,300	5,200	2,200	7,800	35,000	--	PACE	--	k
3/27/2000	--	50.76	16.84	--	33.92	120,000	8,700	12,000	3,800	16,000	27,000	--	PACE	--	
5/22/2000	--	50.76	17.85	--	32.91	110,000	7,600	16,000	4,400	20,000	25,000	--	PACE	--	
8/31/2000	--	50.76	21.71	--	29.05	110,000	8,800	7,600	3,400	14,000	18,000	--	PACE	--	
12/11/2000	--	50.76	22.05	--	28.71	70,000	4,580	3,480	2,550	9,220	24,400	--	PACE	--	
3/20/2001	--	50.76	17.68	--	33.08	100,000	7,100	4,530	2,540	9,370	63,100	--	PACE	--	
6/19/2001	--	50.76	19.40	--	31.36	180,000	7,430	14,600	5,400	25,300	36,100	--	PACE	--	
9/20/2001	--	50.76	22.01	0.03	28.75	--	--	--	--	--	--	--	--	--	f, m
12/27/2001	--	50.76	17.96	--	32.80	120,000	6,880	9,030	2,840	14,600	32,300	--	PACE	--	
2/28/2002	--	50.76	17.06	--	33.70	80,000	4,920	5,450	2,220	12,300	35,900	--	PACE	--	
6/28/2002	--	50.76	17.76	--	33.00	48,000	2,780	2,770	1,530	6,790	25,100	--	PACE	--	
9/12/2002	--	50.76	19.45	--	31.31	46,000	4,500	6,800	2,600	10,000	9,100	--	SEQ	6.8	
12/12/2002	--	50.76	21.29	--	29.47	36,000	5,200	3,400	2,000	6,500	12,000	--	SEQ	6.7	
3/10/2003	--	50.76	17.16	--	33.60	70,000	7,000	4,800	3,300	13,000	29,000	--	SEQ	6.7	
5/12/2003	--	50.76	14.51	--	36.25	75,000	7,600	3,700	3,400	13,000	26,000	--	SEQ	6.8	
8/27/2003	--	50.76	19.32	--	31.44	77,000	7,500	1,300	2,100	4,000	32,000	--	SEQ	6.8	n, s
11/10/2003	P	50.76	20.36	--	30.40	110,000	7,100	3,100	2,100	5,800	25,000	--	SEQM	6.6	
02/03/2004	P	50.76	16.51	--	34.25	160,000	8,400	9,700	5,000	23,000	26,000	--	SEQM	6.7	
05/04/2004	P	50.76	16.47	--	34.29	110,000	8,100	7,500	4,300	17,000	<250	--	SEQM	6.7	
08/31/2004	P	50.76	19.16	--	31.60	91,000	6,600	8,400	3,700	14,000	14,000	--	SEQM	6.7	
11/23/2004	P	50.76	18.02	--	32.74	7,400,000	20,000	150,000	320,000	1,400,000	23,000	--	SEQM	6.6	s
01/18/2005	P	50.76	14.21	--	36.55	170,000	5,400	14,000	6,900	33,000	8,800	--	SEQM	6.5	s
06/29/2005	P	50.76	13.86	--	36.90	640,000	3,500	25,000	24,000	110,000	1,700	--	SEQM	7.2	
09/01/2005	P	50.76	16.89	--	33.87	100,000	3,800	11,000	4,900	33,000	1,100	--	SEQM	6.7	
11/03/2005	P	50.76	19.33	--	31.43	490,000	4,700	11,000	10,000	49,000	1,500	0.5	SEQM	6.6	
02/14/2006	P	50.76	13.55	--	37.21	970,000	60,000	7,000	36,000	140,000	38,000	--	SEQM	6.8	s
5/30/2006	P	50.76	13.52	--	37.24	140,000	3,000	6,600	6,200	29,000	560	--	SEQM	6.6	
8/29/2006	--	50.76	17.52	--	33.24	52,000	4,700	2,500	3,500	12,000	1,800	--	TAMC	6.7	
11/29/2006	--	50.76	19.93	0.11	30.91	--	--	--	--	--	--	--	--	--	f
2/20/2007	P	50.76	16.14	SHEEN	34.62	68,000	8,400	2,600	4,100	13,000	15,000	1.03	TAMC	6.95	

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-4															
MW-6															
7/24/1992	--	50.32	30.63	--	19.69	--	1.6	--	--	--	--	--	--	--	
7/27/1992	--	50.32	30.63	--	19.69	--	--	--	--	--	--	--	--	--	
9/15/1992	--	50.32	31.52	--	18.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
12/15/1992	--	50.32	32.42	--	17.90	58	1.3	<0.5	<0.5	<0.5	--	--	ANA	--	
3/15/1993	--	50.32	26.29	--	24.03	<50	<0.5	0.6	<0.5	0.7	--	--	PACE	--	l
6/7/1993	--	50.32	26.33	--	23.99	<50	<0.5	<0.5	<0.5	1.5	--	--	PACE	--	l
9/23/1993	--	50.32	29.64	--	20.68	--	--	--	--	--	--	--	--	--	
9/24/1993	--	50.32	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	28.5	--	PACE	--	l
12/27/1993	--	50.32	29.75	--	20.57	<50	<0.5	<0.5	<0.5	<0.5	35.4	--	PACE	--	e,l
4/5/1994	--	50.32	27.26	--	23.06	<50	<0.5	<0.5	<0.5	<0.5	295	1.7	PACE	--	e,l
7/22/1994	--	50.32	27.34	--	22.98	350	<0.5	<0.5	<0.5	<0.5	419	4.5	PACE	--	e,l
10/13/1994	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	g
1/25/1995	--	50.32	22.16	--	28.16	240	6	<0.5	<0.5	<1	--	--	ATI	--	
4/19/1995	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	g
7/5/1995	--	50.32	20.80	--	29.52	180	<0.50	<0.50	<0.50	<1.0	--	4.9	ATI	--	
10/5/1995	--	50.32	24.20	--	26.12	860	<5.0	<5.0	<5.0	<10	3,600	2.8	ATI	--	
1/12/1996	--	50.32	25.30	--	25.02	860	<5.0	<5.0	<5.0	<10	2,800	4.2	ATI	--	
4/22/1996	--	50.32	19.13	--	31.19	<50	<0.5	<1	<1	<1	470	4.3	SPL	--	
7/2/1996	--	50.32	20.66	--	29.66	100	<0.5	<1	<1	<1	1,100	4.2	SPL	--	
11/8/1996	--	50.32	20.98	--	29.34	1,100	<5	<10	<10	<10	1,500	4.3	SPL	--	
1/3/1997	--	50.32	20.53	--	29.79	<50	<0.5	<1.0	<1.0	<1.0	450	4.5	SPL	--	
4/28/1997	--	50.32	21.25	--	29.07	1,400	<0.5	<1.0	<1.0	<1.0	3,500	4.4	SPL	--	
7/1/1997	--	50.32	23.40	--	26.92	6,100	<0.5	<1.0	<1.0	<1.0	9,100	3.9	SPL	--	
10/2/1997	--	50.32	25.16	--	25.16	--	--	--	--	--	--	--	--	--	
10/3/1997	--	50.32	--	--	--	330	<0.5	<1.0	<1.0	<1.0	2,600	4.4	SPL	--	
1/9/1998	--	50.32	21.13	--	29.19	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	--	
5/6/1998	--	50.32	16.11	--	34.21	410	<0.5	<1.0	<1.0	<1.0	500	3.6	SPL	--	
7/21/1998	--	50.32	16.33	--	33.99	4,300	<5	<10	<10	<10	3,800	4.0	SPL	--	
12/30/1998	--	50.32	20.89	--	29.43	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-6 Cont.															
2/2/1999	--	50.32	20.20	--	30.12	--	--	--	--	--	--	--	--	--	
5/10/1999	--	50.32	16.75	--	33.57	--	--	--	--	--	--	--	--	--	
9/23/1999	--	50.32	22.55	--	27.77	<50	<1.0	<1.0	<1.0	<1.0	1,600	--	SPL	--	
12/23/1999	--	50.32	23.00	--	27.32	--	--	--	--	--	--	--	--	--	
3/27/2000	--	50.32	16.89	--	33.43	1,700	4.4	0.54	<0.5	1	14,000	--	PACE	--	
5/22/2000	--	50.32	18.02	--	32.30	--	--	--	--	--	--	--	--	--	
8/31/2000	--	50.32	21.62	--	28.70	1,200	<0.5	<0.5	<0.5	<0.5	3,900	--	PACE	--	
12/11/2000	--	50.32	21.81	--	28.51	--	--	--	--	--	--	--	--	--	
3/20/2001	--	50.32	16.97	--	33.35	3,300	<0.5	<0.5	<0.5	<1.5	3,760	--	PACE	--	
6/19/2001	--	50.32	19.30	--	31.02	--	--	--	--	--	--	--	--	--	
9/20/2001	--	50.32	22.00	--	28.32	2,200	2.04	8.1	3.62	13.7	2,460	--	PACE	--	
12/27/2001	--	50.32	17.85	--	32.47	830	0.59	<0.5	<0.5	<1.0	1,040	--	PACE	--	
2/28/2002	--	50.32	16.31	--	34.01	1,100	<0.5	<0.5	<0.5	<1.0	1,450	--	PACE	--	
6/28/2002	--	50.32	17.57	--	32.75	<50	<0.5	<0.5	<0.5	<1.0	1,020	--	PACE	--	
9/12/2002	--	50.32	19.27	--	31.05	190	1.9	4.6	1	7.3	480	--	SEQ	7.1	
12/12/2002	--	50.32	20.94	--	29.38	270	<2.5	<2.5	<2.5	<2.5	500	--	SEQ	6.9	
3/10/2003	--	50.32	17.11	--	33.21	110	<0.50	<0.50	<0.50	<0.50	190	--	SEQ	7.0	
5/12/2003	--	50.32	15.18	--	35.14	<50	<0.50	<0.50	<0.50	<0.50	36	--	SEQ	7.0	
8/27/2003	--	50.32	18.90	--	31.42	<50	<0.50	<0.50	<0.50	<0.50	8.9	--	SEQ	7.0	n
11/10/2003	P	50.32	20.13	--	30.19	<50	<0.50	<0.50	<0.50	<0.50	4.5	--	SEQM	6.8	
02/03/2004	NP	50.32	15.83	--	34.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
05/04/2004	P	50.32	15.62	--	34.70	<50	<0.50	<0.50	<0.50	<0.50	24	--	SEQM	6.9	
08/31/2004	P	50.32	18.56	--	31.76	<50	<0.50	<0.50	<0.50	<0.50	27	--	SEQM	7.0	
11/23/2004	--	50.32	16.95	--	33.37	--	--	--	--	--	--	--	--	--	
01/18/2005	P	50.32	13.61	--	36.71	<50	<0.50	<0.50	<0.50	<0.50	1.3	--	SEQM	6.8	
06/29/2005	--	50.32	13.55	--	36.77	--	--	--	--	--	--	--	--	--	
09/01/2005	--	50.32	16.52	--	33.80	--	--	--	--	--	--	--	--	--	
11/03/2005	--	50.32	19.28	--	31.04	--	--	--	--	--	--	--	--	--	
02/14/2006	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	g
5/30/2006	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	g
8/29/2006	--	50.32	17.15	--	33.17	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-6 Cont.															
11/29/2006	--	50.32	19.50	--	30.82	--	--	--	--	--	--	--	--	--	
2/20/2007	**P**	**50.32**	**15.81**	**--**	**34.51**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**24**	**1.59**	**TAMC**	**7.60**	
MW-7															
1/25/1995	--	51.40	21.67	--	29.73	<50	<0.5	<0.5	<0.5	<1	--	7.0	ATI	--	
4/19/1995	--	51.40	25.27	--	26.13	<50	<0.5	<0.5	<0.5	<1	--	5.0	ATI	--	
7/5/1995	--	51.40	24.63	--	26.77	<50	<0.50	<0.50	<0.50	<1.0	--	4.2	ATI	--	
10/5/1995	--	51.40	28.21	--	23.19	83	<0.50	<0.50	<0.50	<1.0	77	4.5	ATI	--	
1/12/1996	--	51.40	29.29	--	22.11	63	<0.50	<0.50	<0.50	<1.0	120	4.8	ATI	--	
4/22/1996	--	51.40	23.11	--	28.29	<50	<0.5	<1	<1	<1	13	4.8	SPL	--	
7/2/1996	--	51.40	23.56	--	27.84	<50	<0.5	<1	<1	<1	<10	4.8	SPL	--	
11/8/1996	--	51.40	20.06	--	31.34	<50	<0.5	<1.0	<1.0	<1.0	<10	5.1	SPL	--	
1/3/1997	--	51.40	23.42	--	27.98	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	--	
4/28/1997	--	51.40	24.12	--	27.28	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
7/1/1997	--	51.40	26.40	--	25.00	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
10/2/1997	--	51.40	28.14	--	23.26	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	--	
1/9/1998	--	51.40	24.02	--	27.38	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
5/6/1998	--	51.40	21.00	--	30.40	1,900	<0.5	<1.0	<1.0	<1.0	1,800	3.5	SPL	--	
7/21/1998	--	51.40	21.17	--	30.23	50	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	--	
12/30/1998	--	51.40	22.13	--	29.27	--	--	--	--	--	--	--	--	--	
2/2/1999	--	51.40	22.08	--	29.32	--	--	--	--	--	--	--	--	--	
5/10/1999	--	51.40	18.58	--	32.82	--	--	--	--	--	--	--	--	--	
9/23/1999	--	51.40	24.29	--	27.11	70	<1.0	<1.0	<1.0	<1.0	4,700	--	SPL	--	
12/23/1999	--	51.40	24.53	--	26.87	--	--	--	--	--	--	--	--	--	
3/27/2000	--	51.40	18.58	--	32.82	910	<0.5	<0.5	<0.5	<0.5	2,600	--	PACE	--	
5/22/2000	--	51.40	19.49	--	31.91	--	--	--	--	--	--	--	--	--	
8/31/2000	--	51.40	22.53	--	28.87	440	<0.5	<0.5	<0.5	<0.5	900	--	PACE	--	
12/11/2000	--	51.40	22.75	--	28.65	--	--	--	--	--	--	--	--	--	
3/20/2001	--	51.40	18.79	--	32.61	1,100	<0.5	<0.5	<0.5	<1.5	1,210	--	PACE	--	
6/19/2001	--	51.40	19.82	--	31.58	--	--	--	--	--	--	--	--	--	
9/20/2001	--	51.40	21.35	--	30.05	1,300	1.21	<0.5	<0.5	<1.5	1,550	--	PACE	--	

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Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L) GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	(mg/L) DO	Lab	pH	Comments
MW-7 Cont.															
12/27/2001	--	51.40	20.36	--	31.04	510	<0.5	<0.5	<0.5	<1.0	643	--	PACE	--	
2/28/2002	--	51.40	21.86	--	29.54	250	<0.5	<0.5	<0.5	<1.0	317	--	PACE	--	
6/28/2002	--	51.40	22.64	--	28.76	<50	<0.5	<0.5	<0.5	<1.0	102	--	PACE	--	
9/12/2002	--	51.40	23.51	--	27.89	<50	<0.5	<0.5	<0.5	1	14	--	SEQ	7.5	
12/12/2002	--	51.40	23.75	--	27.65	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	SEQ	7.5	
3/10/2003	--	51.40	21.25	--	30.15	61	<0.50	<0.50	<0.50	<0.50	99	--	SEQ	7.6	
5/12/2003	--	51.40	21.44	--	29.96	<100	<1.0	<1.0	<1.0	<1.0	120	--	SEQ	7.6	
8/27/2003	--	51.40	23.30	--	28.10	120	<0.50	<0.50	<0.50	<0.50	84	--	SEQ	7.6	n
11/10/2003	P	51.40	20.24	--	31.16	230	<1.0	<1.0	<1.0	<1.0	92	--	SEQM	6.7	o
02/03/2004	P	51.40	20.63	--	30.77	<250	<2.5	<2.5	<2.5	<2.5	91	--	SEQM	7.5	
05/04/2004	P	51.40	21.89	--	29.51	<250	<2.5	<2.5	<2.5	<2.5	190	--	SEQM	7.6	k
08/31/2004	P	51.40	23.16	--	28.24	<500	<5.0	<5.0	<5.0	<5.0	220	--	SEQM	7.3	
11/23/2004	P	51.40	21.65	--	29.75	590	<2.5	5.0	11	51	290	--	SEQM	7.1	
01/18/2005	P	51.40	16.28	--	35.12	<250	<2.5	<2.5	<2.5	2.5	92	--	SEQM	7.3	
06/29/2005	P	51.40	14.50	--	36.90	2,200	43	97	92	390	250	--	SEQM	8.0	
09/01/2005	P	51.40	20.41	--	30.99	<500	<5.0	<5.0	<5.0	<5.0	60	--	SEQM	7.5	
11/03/2005	P	51.40	21.00	--	30.40	130	<1.0	<1.0	<1.0	1.0	130	0.63	SEQM	7.2	w
02/14/2006	P	51.40	16.31	--	35.09	100	<0.50	<0.50	<0.50	0.87	62	--	SEQM	7.4	
5/30/2006	P	51.40	17.58	--	33.82	<50	<0.50	<0.50	<0.50	<0.50	9.1	--	SEQM	7.2	
8/29/2006	--	51.40	18.64	--	32.76	100	<2.5	<2.5	<2.5	<2.5	140	--	TAMC	7.0	
11/29/2006	P	51.40	20.35	--	31.05	84	<2.5	<2.5	<2.5	<2.5	190	3.06	TAMC	7.65	
2/20/2007	**P**	**51.40**	**17.09**	**--**	**34.31**	**160**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**170**	**1.77**	**TAMC**	**7.66**	**w**
MW-8															
1/25/1995	--	50.88	31.59	--	19.29	54	<0.5	<0.5	<0.5	<1	--	7.1	ATI	--	
4/19/1995	--	50.88	19.18	--	31.70	<50	<0.5	<0.5	<0.5	<1	--	5.1	ATI	--	
7/5/1995	--	50.88	19.03	--	31.85	<50	<0.50	<0.50	<0.50	<1.0	--	4.5	ATI	--	
10/5/1995	--	50.88	24.40	--	26.48	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.1	ATI	--	
1/12/1996	--	50.88	25.51	--	25.37	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.6	ATI	--	
4/22/1996	--	50.88	18.00	--	32.88	<50	<0.5	<1	<1	<1	<10	4.8	SPL	--	
7/2/1996	--	50.88	19.83	--	31.05	<50	<0.5	<1	<1	<1	<10	4.5	SPL	--	

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Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE	DO			
MW-8 Cont.															
11/8/1996	--	50.88	20.09	--	30.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	--	
1/3/1997	--	50.88	19.72	--	31.16	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
4/28/1997	--	50.88	20.44	--	30.44	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
7/1/1997	--	50.88	22.72	--	28.16	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
10/2/1997	--	50.88	24.51	--	26.37	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
1/9/1998	--	50.88	21.17	--	29.71	<50	<0.5	<1.0	<1.0	<1.0	<10	3.5	SPL	--	
5/6/1998	--	50.88	18.34	--	32.54	<50	<0.5	<1.0	<1.0	<1.0	<10	3.6	SPL	--	
7/21/1998	--	50.88	18.55	--	32.33	90	<0.5	<1.0	<1.0	<1.0	<10	3.3	SPL	--	
12/30/1998	--	50.88	20.40	--	30.48	--	--	--	--	--	--	--	--	--	
2/2/1999	--	50.88	19.28	--	31.60	--	--	--	--	--	--	--	--	--	
5/10/1999	--	50.88	15.62	--	35.26	--	--	--	--	--	--	--	--	--	
9/23/1999	--	50.88	21.74	--	29.14	--	--	--	--	--	--	--	--	--	
12/23/1999	--	50.88	22.83	--	28.05	--	--	--	--	--	--	--	--	--	
3/27/2000	--	50.88	16.25	--	34.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
5/22/2000	--	50.88	17.06	--	33.82	--	--	--	--	--	--	--	--	--	
8/31/2000	--	50.88	21.72	--	29.16	--	--	--	--	--	--	--	--	--	
12/11/2000	--	50.88	22.03	--	28.85	--	--	--	--	--	--	--	--	--	
3/20/2001	--	50.88	16.23	--	34.65	<50	<0.5	<0.5	<0.5	<1.5	0.991	--	PACE	--	
6/19/2001	--	50.88	19.35	--	31.53	--	--	--	--	--	--	--	--	--	
9/20/2001	--	50.88	21.95	--	28.93	--	--	--	--	--	--	--	--	--	
12/27/2001	--	50.88	16.98	--	33.90	--	--	--	--	--	--	--	--	--	
2/28/2002	--	50.88	15.38	--	35.50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	PACE	--	
6/28/2002	--	50.88	16.97	--	33.91	--	--	--	--	--	--	--	--	--	
9/12/2002	--	50.88	19.47	--	31.41	--	--	--	--	--	--	--	--	--	
12/12/2002	--	50.88	20.84	--	30.04	--	--	--	--	--	--	--	--	--	
3/10/2003	--	50.88	16.56	--	34.32	<50	<0.50	<0.50	<0.50	<0.50	3	--	SEQ	7.1	
5/12/2003	--	50.88	13.63	--	37.25	--	--	--	--	--	--	--	--	--	
8/27/2003	--	50.88	18.90	--	31.98	--	--	--	--	--	--	--	--	--	n
11/10/2003	--	50.88	19.68	--	31.20	--	--	--	--	--	--	--	--	--	
02/03/2004	P	50.88	14.76	--	36.12	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.5	
05/04/2004	--	50.88	14.69	--	36.19	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L)			
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE	DO	Lab	pH	Comments
MW-8 Cont.															
08/31/2004	--	50.88	18.08	--	32.80	--	--	--	--	--	--	--	--	--	
11/23/2004	NP	50.88	15.77	--	35.11	--	--	--	--	--	--	--	--	--	
01/18/2005	P	50.88	12.04	--	38.84	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
06/29/2005	--	50.88	--	--	--	--	--	--	--	--	--	--	--	--	v
09/01/2005	--	50.88	16.12	--	34.76	--	--	--	--	--	--	--	--	--	
11/03/2005	--	50.88	19.42	--	31.46	--	--	--	--	--	--	--	--	--	
02/14/2006	P	50.88	12.43	--	38.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
5/30/2006	--	50.88	12.40	--	38.48	--	--	--	--	--	--	--	--	--	
8/29/2006	--	50.88	17.16	--	33.72	--	--	--	--	--	--	--	--	--	
11/29/2006	--	50.88	19.35	--	31.53	--	--	--	--	--	--	--	--	--	
2/20/2007	P	50.88	14.57	--	36.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.28	TAMC	7.65	
MW-9															
1/25/1995	--	51.05	22.32	--	28.73	<50	<0.5	<0.5	<0.5	<1	--	7.4	ATI	--	
4/19/1995	--	51.05	19.86	--	31.19	<50	<0.5	<0.5	<0.5	<1	--	5.2	ATI	--	
7/5/1995	--	51.05	20.78	--	30.27	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	--	
10/5/1995	--	--	--	--	--	52	<0.50	<0.50	<0.50	<1.0	160	--	ATI	--	d
10/5/1995	--	51.05	24.33	--	26.72	<50	<0.50	<0.50	<0.50	<1.0	--	2.3	ATI	--	
1/12/1996	--	51.05	25.44	--	25.61	<50	<0.50	<0.50	<0.50	<1.0	<5.0	3.2	ATI	--	
4/22/1996	--	51.05	18.01	--	33.04	<50	<0.5	<1	<1	<1	11	3.5	SPL	--	
7/2/1996	--	51.05	19.70	--	31.35	<50	<0.5	<1	<1	<1	<10	3.3	SPL	--	
11/8/1996	--	51.05	19.96	--	31.09	<50	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	--	
1/3/1997	--	51.05	19.52	--	31.53	<250	<2.5	<5.0	<5.0	<5.0	<50	4.4	SPL	--	
4/28/1997	--	51.05	20.22	--	30.83	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	--	
7/1/1997	--	51.05	22.59	--	28.46	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
10/2/1997	--	51.05	24.33	--	26.72	--	--	--	--	--	--	--	--	--	
10/3/1997	--	51.05	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
1/9/1998	--	51.05	21.11	--	29.94	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
5/6/1998	--	51.05	18.26	--	32.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	--	
7/21/1998	--	51.05	18.46	--	32.59	70	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	--	
12/30/1998	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g

Table 2. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						(mg/L) DO	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-9 Cont.															
2/2/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
5/10/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
9/23/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
12/23/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
3/27/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
5/22/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
8/31/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
12/11/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
3/20/2001	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
6/19/2001	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
9/20/2001	--	51.05	22.20	--	28.85	6,300	2.87	<0.5	<0.5	<1.5	8,640	--	PACE	--	
12/27/2001	--	51.05	18.92	--	32.13	--	--	--	--	--	--	--	--	--	
2/28/2002	--	51.05	17.22	--	33.83	19,000	1,560	61.3	84	111	20,200	--	PACE	--	
6/28/2002	--	51.05	18.20	--	32.85	--	--	--	--	--	--	--	--	--	
9/12/2002	--	51.05	19.92	--	31.13	5,100	570	180	<25	220	6,400	--	SEQ	6.8	
12/12/2002	--	51.05	21.78	--	29.27	--	--	--	--	--	--	--	--	--	
3/10/2003	--	51.05	18.25	--	32.80	26,000	2,500	<100	<100	<100	33,000	--	SEQ	6.9	
5/12/2003	--	51.05	16.29	--	34.76	--	--	--	--	--	--	--	SEQ	--	
8/27/2003	--	51.05	19.69	--	31.36	11,000	830	<50	<50	<50	6,300	--	SEQ	7.1	n
11/10/2003	--	51.05	19.97	--	31.08	--	--	--	--	--	--	--	--	--	
02/03/2004	P	51.05	17.23	--	33.82	6,200	180	<50	<50	<50	2,100	--	SEQM	7.2	
05/04/2004	--	51.05	17.17	--	33.88	--	--	--	--	--	--	--	--	--	
08/31/2004	P	51.05	19.71	--	31.34	<2,500	210	<25	<25	<25	1,500	--	SEQM	7.0	
11/23/2004	--	51.05	18.58	--	32.47	--	--	--	--	--	--	--	--	--	
01/18/2005	P	51.05	14.98	--	36.07	490	32	<2.5	<2.5	8.9	130	--	SEQM	6.9	
06/29/2005	--	51.05	14.74	--	36.31	--	--	--	--	--	--	--	--	--	
09/01/2005	P	51.05	17.42	--	33.63	3,500	1,300	<25	<25	28	240	--	SEQM	6.9	
11/03/2005	--	51.05	19.90	--	31.15	--	--	--	--	--	--	--	--	--	
02/14/2006	P	51.05	12.95	--	38.10	2,700	<25	<25	<25	<25	2,200	--	SEQM	7.0	w
5/30/2006	--	51.05	13.76	--	37.29	--	--	--	--	--	--	--	--	--	
8/29/2006	--	51.05	17.86	--	33.19	1,200	580	<25	<25	<25	<25	--	TAMC	6.9	

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-9 Cont.															
11/29/2006	--	51.05	20.25	--	30.80	--	--	--	--	--	--	--	--	--	
2/20/2007	**P**	**51.05**	**16.91**	**--**	**34.14**	**780**	**66**	**1.5**	**2.0**	**1.4**	**3.2**	**2.66**	**TAMC**	**7.93**	
MW-10															
1/9/1998	--	--	20.97	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	--	h
5/6/1998	--	--	18.07	--	--	800	<0.5	<1.0	<1.0	<1.0	980	3.9	SPL	--	h
7/21/1998	--	--	18.28	--	--	80	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	--	h
12/30/1998	--	--	22.22	--	--	--	--	--	--	--	--	--	--	--	h
2/2/1999	--	--	21.83	--	--	940	<10	<10	<10	<10	690	--	SPL	--	h
5/10/1999	--	--	17.99	--	--	--	--	--	--	--	--	--	--	--	h
9/23/1999	--	--	22.61	--	--	<50	<1.0	<1.0	<1.0	1.4	1,000	--	SPL	--	h
12/23/1999	--	--	23.75	--	--	--	--	--	--	--	--	--	--	--	h
3/27/2000	--	--	18.83	--	--	1,900	<0.5	<0.5	<0.5	<0.5	28,000	--	PACE	--	h
5/22/2000	--	--	19.47	--	--	--	--	--	--	--	--	--	--	--	h
8/31/2000	--	--	22.64	--	--	1,700	<0.5	<0.5	<0.5	<0.5	13,000	--	PACE	--	h
12/11/2000	--	--	22.84	--	--	--	--	--	--	--	--	--	--	--	h
3/20/2001	--	--	19.57	--	--	16,000	<0.5	<0.5	<0.5	<1.5	11,900	--	PACE	--	h
6/19/2001	--	--	20.63	--	--	--	--	--	--	--	--	--	--	--	h
9/20/2001	--	--	23.07	--	--	5,800	<0.5	<0.5	<0.5	<1.5	8,160	--	PACE	--	h
12/27/2001	--	--	20.92	--	--	6,600	17.3	14.5	<12.5	<25	7,750	--	PACE	--	h
2/28/2002	--	--	18.52	--	--	3,600	10.8	<0.5	<0.5	<1.0	5,380	--	PACE	--	h
6/28/2002	--	--	18.41	--	--	<50	<0.5	<0.5	<0.5	<1.0	2,570	--	PACE	--	h
9/12/2002	--	--	20.57	--	--	660	<5.0	<5.0	<5.0	<5.0	3,300	--	SEQ	7.2	h
12/12/2002	--	--	22.80	--	--	1,400	<5.0	<5.0	<5.0	<5.0	3,300	--	SEQ	6.9	h
3/10/2003	--	--	19.26	--	--	1,700	<5.0	<5.0	5.3	15	2,800	--	SEQ	6.9	h
5/12/2003	--	--	17.90	--	--	1,500	<12	<12	<12	<12	2,200	--	SEQ	6.9	h
8/27/2003	--	--	20.82	--	--	4,100	<25	<25	<25	<25	2,800	--	SEQ	7.0	n, h
11/10/2003	P	--	21.92	--	--	<5,000	<50	<50	<50	<50	3,300	--	SEQM	6.8	
02/03/2004	P	--	18.52	--	--	5,100	<50	<50	<50	<50	2,300	--	SEQM	7.0	q
05/04/2004	P	--	17.63	--	--	<2,500	<25	<25	<25	<25	1,600	--	SEQM	6.8	
08/31/2004	P	--	20.67	--	--	<5,000	<50	<50	<50	<50	1,900	--	SEQM	7.0	

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MW-10 Cont.															
11/23/2004	P	--	19.79	--	--	2,600	<25	<25	<25	<25	2300	--	SEQM	6.8	
01/18/2005	P	--	16.13	--	--	560	<5.0	<5.0	<5.0	<5.0	530	--	SEQM	6.9	
06/29/2005	P	--	15.56	--	--	110	1.9	4.6	4.2	17	71	--	SEQM	6.8	
09/01/2005	P	--	18.10	--	--	<250	<2.5	<2.5	<2.5	<2.5	280	--	SEQM	6.9	
11/03/2005	P	--	20.90	--	--	800	<5.0	<5.0	<5.0	7.0	770	0.71	SEQM	6.8	w
02/14/2006	P	--	15.58	--	--	600	<0.50	<0.50	<0.50	<0.50	400	--	SEQM	7.1	x
5/30/2006	P	--	14.70	--	--	95	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.7	
8/29/2006	--	--	18.69	--	--	250	<5.0	<5.0	<5.0	<5.0	490	--	TAMC	6.8	
11/29/2006	P	--	21.35	--	--	650	<5.0	<5.0	<5.0	<5.0	1,400	0.89	TAMC	7.19	w
2/20/2007	**P**	**--**	**18.65**	**--**	**--**	**720**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**850**	**1.19**	**TAMC**	**7.32**	
QC-2															
9/15/1992	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	i
12/15/1992	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	i
3/15/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i, l
6/7/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i, l
9/24/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
12/27/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
4/5/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
7/22/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
10/13/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
1/25/1995	--	--	--	--	--	<50	<0.5	2	0.6	1	--	--	ATI	--	i
4/19/1995	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ATI	--	i
7/5/1995	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	i
10/5/1995	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	i
1/12/1996	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	i
4/22/1996	--	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	i
7/2/1996	--	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	i

ABBREVIATIONS AND SYMBOLS:
< = Not detected at or laboratory reporting limit
--- = Not analyzed/applicable/measurable
µg/L = Micrograms per liter
ANA = Anamatrix, Inc.
ATI = Analytical Technologies, Inc.
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
GRO = Gasoline range organics
GWE = Groundwater elevation in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Well not purged prior to sampling
P = Well purged prior to sampling
PACE = Pace, Inc.
SEQ/SEQM = Sequoia/Sequoia Morgan Hill Analytical
SPL = Southern Petroleum Laboratories
TOC = Top of casing in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline

FOOTNOTES:
c = Concentrations reported as diesel from MW-1, MW-2 and MW-4 are primarily due to the presence of a lighter petroleum product, possibly gasoline or kerosene.
d = Blind duplicate.
e = A copy of the documentation for this data is included in Appendix C of Alisto report 10-018-05-004.
f = Well not sampled due to presence of free product (FP).
g = Well inaccessible.
h = TOC not surveyed.
i = Travel blank.
j = EPA method by 8020\8260.
k = Samples ran outside of EPA recommended hold time.
l = A copy of the documentation for this data can be found in Blaine Tech Services report 010619-C-2. The MTBE data for the March 15, 1993 and June 7, 1993 events have been destroyed.
m = Thickness of SPH is only an estimate. The resulting GWE will not be used in contouring.
n = Samples analyzed by EPA Method 8260B for TPH-g, benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates.
o = Discrete peak @ C6-C7.
q = Discrete peak @ C5-C6.
r = Well was dry.
s = Sheen in well.
t = DTW and resulting GWE were anomalous and not used in groundwater contouring.
u = Anomalously low concentrations reported from Cambria. Do not appear to support historic trends.
v = Unable to locate well.
w = The hydrocarbon result for GRO was partly due to individual peaks in the quantitation range.
x = Initial analysis for MTBE within holding time but required dilution.

NOTES:
Casing elevations surveyed to the nearest 0.01 ft MSL.

GWE adjusted assuming a specific gravity of 0.75 for FP.

During the third quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel

range resulting in a higher concentration being reported.

Beginning in second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Values for pH and DO are field measurements.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 3. Summary of Fuel Additives Analytical Data

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
EX-1									
05/04/2004	<5,000	<1,000	2,500	<25	<25	38	<25	<25	
08/31/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	
11/23/2004	<5,000	<1,000	3,000	<25	<25	74	<25	<25	
01/18/2005	<5,000	<1,000	2,200	<25	<25	54	<25	<25	a
06/29/2005	<5,000	<1,000	1,400	<25	<25	30	<25	<25	
09/01/2005	<5,000	<1,000	2,000	<25	<25	46	<25	<25	
11/03/2005	<5,000	<1,000	3,000	<25	<25	87	<25	<25	
02/14/2006	<15,000	<1,000	1,100	<25	<25	<25	<25	<25	a
5/30/2006	<15,000	<1,000	1,400	<25	<25	37	<25	<25	a
8/29/2006	<15,000	<1,000	2,500	<25	<25	56	<25	<25	
11/29/2006	<30,000	<2,000	2,700	<50	<50	75	<50	<50	
2/20/2007	**<30,000**	**<2,000**	**920**	**<50**	**<50**	**<50**	**<50**	**<50**	
EX-2									
05/04/2004	<100	<20	46	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2004	<500	<100	130	<2.5	<2.5	3.4	<2.5	<2.5	
11/23/2004	<100	<20	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	6.5	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/29/2005	<100	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	
09/01/2005	<100	<20	55	<0.50	<0.50	0.56	<0.50	<0.50	
11/03/2005	<100	<20	39	<0.50	<0.50	0.80	<0.50	<0.50	
02/14/2006	<300	<20	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/30/2006	<300	<20	7.8	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	94	<0.50	<0.50	0.98	<0.50	<0.50	
11/29/2006	<300	<20	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	
2/20/2007	**<300**	**<20**	**12**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-1									
8/27/2003	<100	<20	4.2	<0.50	<0.50	<0.50	--	--	
11/10/2003	<100	<20	0.51	<0.50	<0.50	<0.50	--	--	
02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 3. Summary of Fuel Additives Analytical Data

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1 Cont.									
08/31/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
02/14/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
2/20/2007	**<300**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-2									
8/27/2003	<25,000	<5,000	5,100	<120	<120	140	--	--	
11/10/2003	<50,000	<10,000	4,200	<250	<250	<250	--	--	
02/03/2004	<100,000	<20,000	1,900	<500	<500	<500	<500	<500	
05/04/2004	<50,000	<10,000	2,500	<250	<250	<250	<250	<250	
08/31/2004	<50,000	<10,000	3,400	<250	<250	<250	<250	<250	
11/23/2004	<50,000	<10,000	2,400	<250	<250	<250	<250	<250	
01/18/2005	<20,000	<4,000	3,700	<100	<100	<100	<100	<100	a
06/29/2005	<10,000	<2,000	3,600	<50	<50	72	<50	<50	
09/01/2005	<20,000	<4,000	5,100	<100	<100	100	<100	<100	
11/03/2005	<20,000	<4,000	3,700	<100	<100	100	<100	<100	
02/14/2006	<60,000	<4,000	3,400	<100	<100	<100	<100	<100	a
5/30/2006	<60,000	<4,000	2,300	<100	<100	<100	<100	<100	
8/29/2006	<60,000	<4,000	13,000	<100	<100	100	<100	<100	
11/29/2006	<75,000	<5,000	11,000	<120	<120	120	<120	<120	
2/20/2007	<60,000	<4,000	10,000	<100	<100	<100	<100	<100	
MW-3									
8/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
02/14/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
2/20/2007	**<300**	**<20**	**0.89**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-4									
8/27/2003	<50,000	<10,000	32,000	<250	<250	250	--	--	
11/10/2003	<100,000	<20,000	25,000	<500	<500	<500	--	--	

Table 3. Summary of Fuel Additives Analytical Data

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-4 Cont.									
02/03/2004	<100,000	<20,000	26,000	<500	<500	<500	<500	<500	
05/04/2004	<50,000	<10,000	<250	<250	<250	<250	<250	<250	
08/31/2004	<50,000	<10,000	14,000	<250	<250	<250	<250	<250	
11/23/2004	<500,000	<100,000	23,000	<2,500	<2,500	<2,500	<2,500	<2,500	
01/18/2005	<50,000	<10,000	8,800	<250	<250	<250	<250	<250	a
06/29/2005	<50,000	<10,000	1,700	<250	<250	<250	<250	<250	
09/01/2005	<100,000	<20,000	1,100	<500	<500	<500	<500	<500	
11/03/2005	<100,000	<20,000	1,500	<500	<500	<500	<500	<500	
02/14/2006	<300,000	<20,000	38,000	<500	<500	1,000	<500	<500	a
5/30/2006	<300,000	<20,000	560	<500	<500	<500	<500	<500	
8/29/2006	<300,000	<20,000	1,800	<500	<500	<500	<500	<500	
2/20/2007	**<150,000**	**<10,000**	**15,000**	**<250**	**<250**	**<250**	**<250**	**<250**	
MW-6									
8/27/2003	<100	<20	8.9	<0.50	<0.50	<0.50	--	--	
11/10/2003	<100	<20	4.5	<0.50	<0.50	<0.50	--	--	
02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
05/04/2004	<100	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2004	<100	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	a
2/20/2007	**<300**	**<20**	**24**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-7									
8/27/2003	<100	<20	84	<0.50	<0.50	<0.50	--	--	
11/10/2003	<200	<40	92	<1.0	<1.0	<1.0	--	--	
02/03/2004	<500	<100	91	<2.5	<2.5	<2.5	<2.5	<2.5	
05/04/2004	<500	<100	190	<2.5	<2.5	<2.5	<2.5	<2.5	
08/31/2004	<1,000	<200	220	<5.0	<5.0	<5.0	<5.0	<5.0	
11/23/2004	<500	<100	290	<2.5	<2.5	<2.5	<2.5	<2.5	
01/18/2005	<500	<100	92	<2.5	<2.5	<2.5	<2.5	<2.5	a
06/29/2005	<500	<100	250	<2.5	<2.5	<2.5	<2.5	<2.5	
09/01/2005	<1,000	<200	60	<5.0	<5.0	<5.0	<5.0	<5.0	

Table 3. Summary of Fuel Additives Analytical Data

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-7 Cont.									
11/03/2005	<200	<40	130	<1.0	<1.0	<1.0	<1.0	<1.0	
02/14/2006	<300	<20	62	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/30/2006	<300	<20	91	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<1,500	<100	140	<2.5	<2.5	<2.5	<2.5	<2.5	
11/29/2006	<1,500	<100	190	<2.5	<2.5	<2.5	<2.5	<2.5	
2/20/2007	**<1,500**	**<100**	**170**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	
MW-8									
02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
02/14/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
2/20/2007	**<300**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-9									
8/27/2003	<10,000	<2,000	6,300	<50	<50	<50	--	--	
02/03/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	a
08/31/2004	<5,000	<1,000	1,500	<25	<25	<25	<25	<25	
01/18/2005	<500	150	130	<2.5	<2.5	<2.5	<2.5	<2.5	a
09/01/2005	<5,000	2,700	240	<25	<25	<25	<25	<25	
02/14/2006	<15,000	<1,000	2,200	<25	<25	<25	<25	<25	a
8/29/2006	<15,000	2,100	<25	<25	<25	<25	<25	<25	
2/20/2007	**<600**	**380**	**3.2**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	
MW-10									
8/27/2003	<5,000	<1,000	2,800	<25	<25	<25	--	--	
11/10/2003	<10,000	<2,000	3,300	<50	<50	<50	--	--	
02/03/2004	<10,000	<2,000	2,300	<50	<50	<50	<50	<50	a
05/04/2004	<5,000	<1,000	1,600	<25	<25	<25	<25	<25	
08/31/2004	<10,000	<2,000	1,900	<50	<50	<50	<50	<50	
11/23/2004	<5,000	<1,000	2,300	<25	<25	<25	<25	<25	
01/18/2005	<1,000	<200	530	<5.0	<5.0	<5.0	<5.0	<5.0	a
06/29/2005	<100	<20	71	<0.50	<0.50	<0.50	<0.50	<0.50	
09/01/2005	<500	<100	280	<2.5	<2.5	<2.5	<2.5	<2.5	

Table 3. Summary of Fuel Additives Analytical Data

Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-10 Cont.									
11/03/2005	<1,000	<200	770	<5.0	<5.0	<5.0	<5.0	<5.0	
02/14/2006	<300	34	400	<0.50	<0.50	1.2	<0.50	<0.50	a, b
5/30/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<3,000	<200	490	<5.0	<5.0	<5.0	<5.0	<5.0	
11/29/2006	<3,000	<200	1,400	<5.0	<5.0	5.8	<5.0	<5.0	
2/20/2007	**<3,000**	**<200**	**850**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	

ABBREVIATIONS AND SYMBOLS:
-- = Not analyzed/applicable/measurable
< = Not detected above reported detection limit
1,2-DCA = 1,2-Dichloroethane
µg/L = Micrograms per Liter
DIPE = Di-isopropyl ether
EDB = 1, 2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol

FOOTNOTES:
a = The continuing calibration verficiation for ethanol was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.
b = Initial analysis for MTBE within holding time but required dilution.

NOTES:
All volatile organic compounds analyzed using EPA Method 8260B.

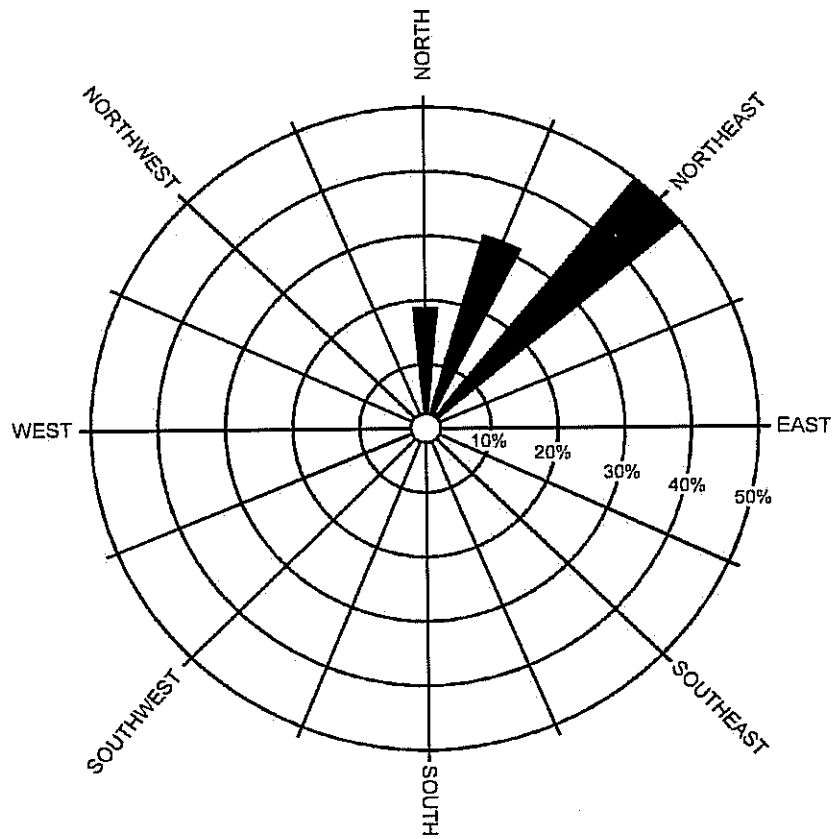
Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 4. Historical Ground-Water Flow Direction and Gradient

Station #11117, 7210 Bancroft Ave., Oakland, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
9/12/2002	Northeast	0.03
12/12/2002	Northeast	0.02
3/10/2003	Northeast	0.03
5/12/2003	North-Northeast	0.055
8/27/2003	North-Northeast	0.036
11/10/2003	North-Northeast	0.012
2/3/2004	Northeast	0.013
5/4/2004	Northeast	0.015
8/31/2004	Northeast	0.010
11/23/2004	North-Northeast	0.04
1/18/2005	Northeast	0.02
6/29/2005	Variable	0.003, 0.006
9/1/2005	North	0.03
11/3/2005	North	0.008
2/14/2006	North-Northeast	0.02
5/30/2006	North	0.03
8/29/2006	Northeast	0.006
11/29/2006	West, Southeast	0.002, 0.001
2/20/2007	**Northeast**	**0.004**

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.



APPENDIX A

STRATUS SITE ASSESSMENT FIELD DATA PACKAGE
(Includes Field Data Sheets, Gregg Drilling Final Data Package, Well Permit, Site Plan with Field Modifications, and Laboratory Analytical Report with Chain-of-Custody Documentation)

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

May 16, 2007
Project No. E11117-01

Mr. Tom Venus, P.E.
Broadbent & Associates, Inc.
1324 Mangrove Avenue, Suite 212
Chico, California 95926

Re: Site Assessment Field Data Package
Former BP Service Station No. 11117
7210 Bancroft Avenue, Oakland, California
Field Work Dates: April 16, 25, 26, 27, 2007

General Information

Fieldwork was conducted by Stratus Environmental, Inc (Stratus) in accordance with Broadbent & Associates, Inc.'s (Broadbent) *Work Plan for Onsite Soil and Ground-Water Investigation,* dated October 16, 2006 (the Work Plan), and in accordance with conditional approval and comments outlined in the Alameda County Health Care Services Agency letter dated March 19, 2007. Final boring locations were based on a site map emailed to Stratus on March 23, 2007.

Data Submittal Prepared / Reviewed by: Sarah Salcedo / Jay Johnson
Phone Number: (775) 343-2295 / (530) 676-6000

Date: April 16, 2007 *Arrival:* 10:15 *Departure:* 14:10
On-Site Supplier Representative: Collin Fischer
Scope of Work Performed: Physically marked proposed boring locations for Underground Service Alert (USA) and cleared proposed drilling locations CPT-1, CPT-2, and CPT-3 using a private utility locating subcontractor.
Variations from Work Scope: Due to the presence of a metal utility line running SE along the inside of the planter near proposed CPT-1 location, this boring needed to be relocated about 10 feet east of the proposed location. Contacted Broadbent on April 16, 2007 to discuss.
Weather Conditions: Not noted.
Unusual Field Conditions: None noted.

Date: April 25, 2007 *Arrival:* 07:45 *Departure:* 17:05
On-Site Supplier Representative: Allan Dudding / Collin Fischer
Scope of Work Performed: Cleared four (4) boreholes at each of the three proposed CPT locations to approximately 5 feet below ground surface (bgs) using an air and water knife.
Details and/or Variations from Work Scope: Clearance of multiple holes at each location was conducted to allow discrete sampling locations, if site conditions warranted.
Weather Conditions: Not noted.
Unusual Field Conditions: None noted.

Date: April 26, 2007 *Arrival:* 07:00 *Departure:* 17:30
On-Site Supplier Representative: Sarah Salcedo / Collin Fischer
Scope of Work Performed: Advanced cone penetrometer test (CPT) borings with ultraviolet induced flourescence (UVIF) at locations CPT-1, CPT-2, and CPT-3. Conducted groundwater sampling at CPT-3 location.
Details and/or Variations from Work Scope:

- At CPT-1, the boring was advanced with a UVIF module to a depth of approximately 41 feet bgs when refusal was met.
- At CPT-2, since the UVIF module is larger in diameter than the CPT rods, and therefore increases friction considerably (per Gregg In-Situ), in an attempt to make the desired depth of 60 feet without refusal, no UVIF was performed and the boring was able to be advanced to a total depth of approximately 60 feet bgs.
- During the advancement of CPT-2, five separate pore pressure dissipation tests were conducted at depths of approximately 14.6, 23.1, 30.0, 50.7, and 60.0 feet bgs.
- At CPT-3, the boring was advanced with a UVIF module to a depth of approximately 60 feet bgs.
- At the CPT-3 location, in a separate adjacent boring, a temporary PVC screen was opened from 18 to 22 feet bgs. After 1 hour elapsed, no groundwater accumulated. The same hole was deepened, and a temporary PVC screen was opened from 23 to 27 feet bgs; groundwater accumulated after approximately 23 minutes and was sampled. The same hole was deepened further, and a temporary PVC screen was opened from 28 to 32 feet bgs; groundwater accumulated after approximately 4 minutes and was sampled.

Weather Conditions: Sunny, approximately 65°F.
Unusual Field Conditions: None.

Date: April 27, 2007 *Arrival:* 07:30 *Departure:* 18:00
On-Site Supplier Representative: Sarah Salcedo / Collin Fischer
Scope of Work Performed: Completed groundwater sampling at CPT-3 location. Conducted groundwater sampling at CPT-1 and CPT-2 locations. Advanced an additional CPT boring (CPT-1a).
Details and/or Variations from Work Scope:

- At the CPT-3 location, in a separate adjacent boring, a temporary PVC screen was opened from 56 to 60 feet bgs; groundwater accumulated immediately and was sampled.
- At the CPT-1 location, in a separate adjacent boring, one additional CPT boring (called CPT-1a) was advanced without the UVIF tip, in an attempt to reach target depth of 60 feet bgs at this location. Boring CPT-1a was advanced to a depth of 60.039 feet bgs.
- At the CPT-1 location, in a separate adjacent boring, a temporary PVC screen was opened from 30 to 34 feet bgs; groundwater accumulated after approximately 7 minutes and was sampled. The same hole was deepened, and a temporary PVC screen was opened from 37 to 41 feet bgs; groundwater accumulated in approximately 15 minutes and was sampled.
- At the CPT-1 location, in another separate adjacent boring, a temporary PVC screen was opened from 56 to 60 feet bgs. After 1 hour elapsed, no groundwater accumulated.
- At the CPT-2 location, in a separate adjacent boring, a temporary PVC screen was opened from 28 to 32 feet bgs; groundwater accumulated immediately and was sampled. The same hole was deepened, and a temporary PVC screen was opened from 37 to 41 feet bgs; groundwater accumulated immediately and was sampled.
- At the CPT-2 location, in another separate adjacent boring, a temporary PVC screen was opened from 56 to 60 feet bgs. Groundwater began to accumulate after 23 minutes; however, after an elaspsed time of 90 minutes, an insufficient quantity of water (less than 1 VOA) for sampling purposes had accumulated. The screen interval was increased an additional 8 feet (screen open from 48 to 60 feet bgs). After an additional 30 minutes elapsed; no groundwater accumulated.

Weather Conditions: Sunny, approximately 75°F.
Unusual Field Conditions: None.

Chemical Analyses: Seven groundwater samples were submitted to TestAmerica of Morgan Hill, California, for chemical analyses outlined in the Work Plan. A copy of the analytical report is attached.

Waste Disposal: Waste material will be removed from the site for disposal by Belshire Environmental Services, following the completion of analytical profiling.

Survey: No survey of the boring locations was requested in the Work Plan. A map showing the final (field measured) locations of the CPT and water sampling borings is attached.

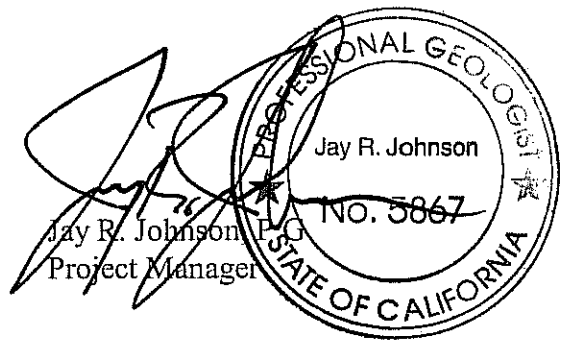
This submittal presents data collected in association with the advancement of two CPT borings (CPT-2 and CPT-1a) and two CPT/UVIF borings (CPT-1 and CPT-3), and the advancement of six adjacent separate borings for the collection of groundwater samples. Attachments include field data sheets, Gregg In-Situ's Final Data Package (includes CPT logs, UVIF output, pore pressure dissipation test graphs), a copy of the laboratory analytical report, a copy of the well permit, and a site plan with field modifications. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations.

Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Sarah O. Salcedo, P.G
Senior Geologist



Jay R. Johnson, P.G
Project Manager

Attachments:

- Field Data Sheets
- Gregg In Situ's Data Package (includes CPT logs, UVIF output, pore pressure dissipation test graphs)
- Laboratory Analytical Report
- Alameda County Public Works Agency – Water Resouces Well Permit
- Site Plan with field modifications (original supplied by Broadbent)

cc: Mr. Paul Supple, BP

04/16/07

ARCO 1117

0800 -> LEFT OFFICE

1015 -> ARRIVAL ONSITE, PHONE CALL FROM CREW BROS, SAYING THEY WILL NOT BE THERE UNTIL 1300 INSTEAD OF 1100

1020-1300 -> WAITING

1315 - CREW BROS ARRIVE, SAFETY MEETING.

STATION MANAGER MR. SINGH
510-553-0109

1350 - CREW BROS DONE.

1355 -> TOOKS PICS OF CPT-1 & CPT-3

1410 - OFFSITE

COLLIN FISCHER

STANTEC ENVIRONMENTAL INC.

ARCO 11117 4/25/07

0515 LEFT OFFICE

0745 ARRIVAL ONSITE

0805 DRILLERS ARRIVE

0910 -> WAITING FOR ALLAN, TAKE PICTURES OF UTILITIES MARKET W/ STATION NUMBERS (CALL JAS, LEFT MESSAGE) -> REGIONAL MANAGER CALLED TO START W/ ALLAN.

0965 -> ALLAN ARRIVES

0952 -> START AIR KNIFE

1002 -> PAUL BERNARD, MANAGER OF EASTMONT TOWN CENTER CAME BY TO SEE WHY WE ARE DRILLING IN PARKING LOT. GAVE HIM BUSINESS CARD & A COPY OF THE DRILLING PERMIT.

1012 -> MOSTLY CLAY W/ ROCKS, DECIDED TO SWITCH TO WATER KNIFE. CALLED JAS TO OK

1150 -> CPT-3 DONE 4 HOLES 3 BAGS HOLE PLUG
.5 BAGS ASPHALT PATCH

1300 -> BEGIN CPT 1 AFTER LUNCH, SAME ROCKS MIXTURE, H2O KNIFE.

1430 CPT-1 DONE 3 BAGS HOLE PLUG
.5 BAGS ASPHALT PATCH

1445 -> BEGIN CPT-2 SAME LITHOLOGIES H2O KNIFE 3 BAGS HOLE PLUG
1 BAG ASPHALT PATCH

1633 -> DONE W/ CPT-2 CLEAN UP & FILL BARRELS TO LEAVE ON SITE

1705 -> OFFSITE, 2 DRUMS LEFT ONSITE

Collin Fischer

STRATUS ENVIRONMENTAL, INC

5 CPT'S - UVLF
9 CPT'S - H_2O SAMPLING
3 PER LOCATION
CPT-1
CPT-2
CPT-3

ARCO 11117

4/26/07

0705 → ONSITE

0710 → SAFETY MEETING & SITE WALK

0730 → SET UP

0824 → START CPT-UVLF (CONTINUOUS GROUT COLLAR NOT USED, FULL ROD PULLED OUT OF HOLE, THEN NEW PIPE PUT INTO HOLE TO PUMP IN GROUT AS IT IS REMOVED. GED BY SAMPLE SAILED)

CPT-1 → REFUSAL @ 41'
HOLE OPEN FOR 15 MIN FROM START OF REMOVAL
GROUTED FROM BOTTOM UP W/ SEPARATE TUBE.

1000 → START CPT-2 WATER FOUND @ 30' W/ 15' HEAD (SEE FIGURES)
multiple dissapation tests conducted (14, 23, 30, 50, 6

1340 → START CPT-3
* CPT-3 water sampling Screen 18-22' bgs NO WATER
* CPT-3 H_2O Sampling H_2O AFTER 23 MINS SCREEN 23'-27' → 7 SAMPLES (1631)
* CPT-3 H_2O Sampling H_2O AFTER 4 MINS SCREEN 28'-32' → 7 SAMPLES (1646)

1655 → CLEAN UP

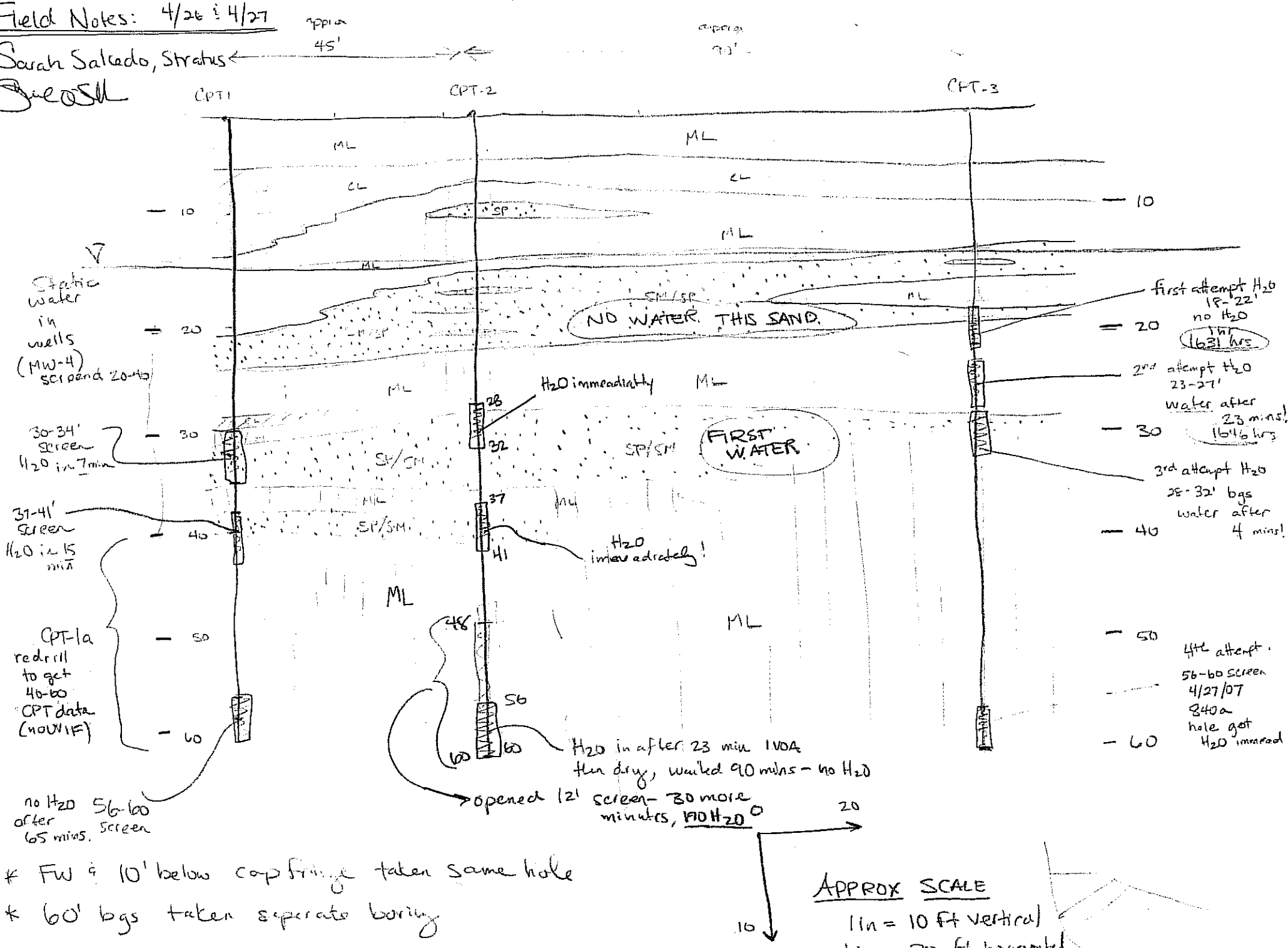
1730 OFFSITE W/ SAMPLES ON ICE

Collin Fischer

STRATUS ENVIRONMENTAL, INC.

Field Notes: 4/26 & 4/27

Sarah Salcedo, Stratus



* FW @ 10' below cap fringe taken same hole
* 60' bgs taken seperate boring

GREGG IN SITU, INC.

GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

April 30, 2007

Stratus
Attn: Sarah Salcedo
3330 Cameron Park Drive, Ste. 550
Cameron Park, California 95682

Subject: CPT Site Investigation
Arco #11117
Oakland, California
GREGG Project Number: 07-129MA

Dear Ms. Salcedo:

The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	Resistivity Cone Penetration Tests	(RCPTU)	☐
5	UVIF Cone Penetration Tests	(UVIFCPTU)	☒
6	Groundwater Sampling	(GWS)	☒
7	Soil Sampling	(SS)	☐
8	Vapor Sampling	(VS)	☐
9	Vane Shear Testing	(VST)	☐
10	SPT Energy Calibration	(SPTE)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (925) 313-5800.

Sincerely,
GREGG Drilling & Testing, Inc.

Mary Walden
Operations Manager

Cone Penetration Test Sounding Summary

-Table 1-

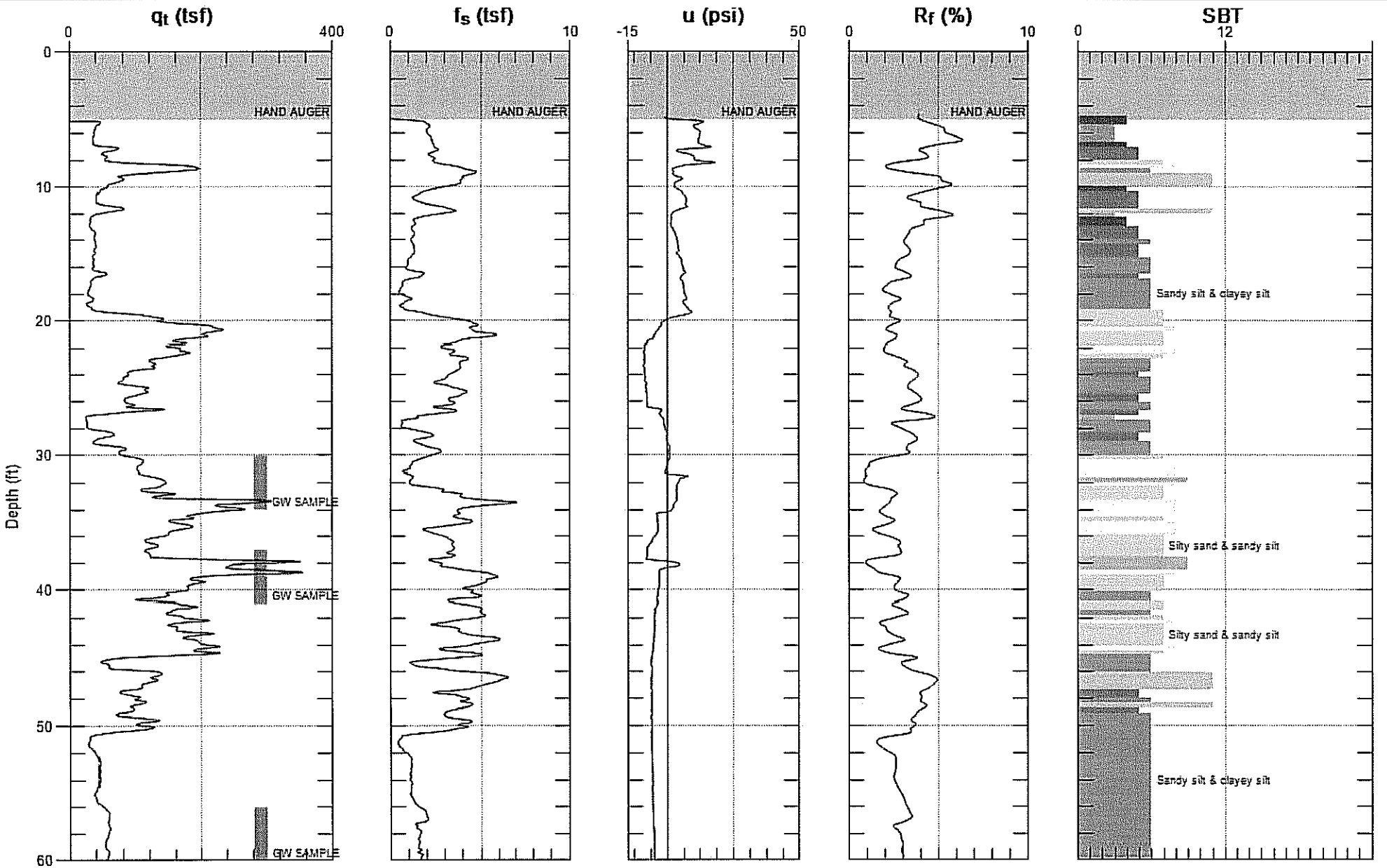
CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (Feet)	Depth of Soil Samples (Feet)	Depth of Pore Pressure Dissipation Tests (Feet)
CPT-01	4/26/07	41	-	-	-
CPT-01a	4/27/07	60	34, 41, 60	-	-
CPT-02	4/26/07	60	32, 41, 60	-	14.6, 23.1, 30.0, 50.7, 60.0
CPT-03	4/26/07	60	20NR, 22, 32, 60	-	-

GREGG

STRATUS

Site: ARCO #11117
Sounding: CPT-01A

Engineer: S.SALCEDO
Date: 4/27/2007 08:00



Max. Depth: 60.039 (ft)
Avg. Interval: 0.328 (ft)

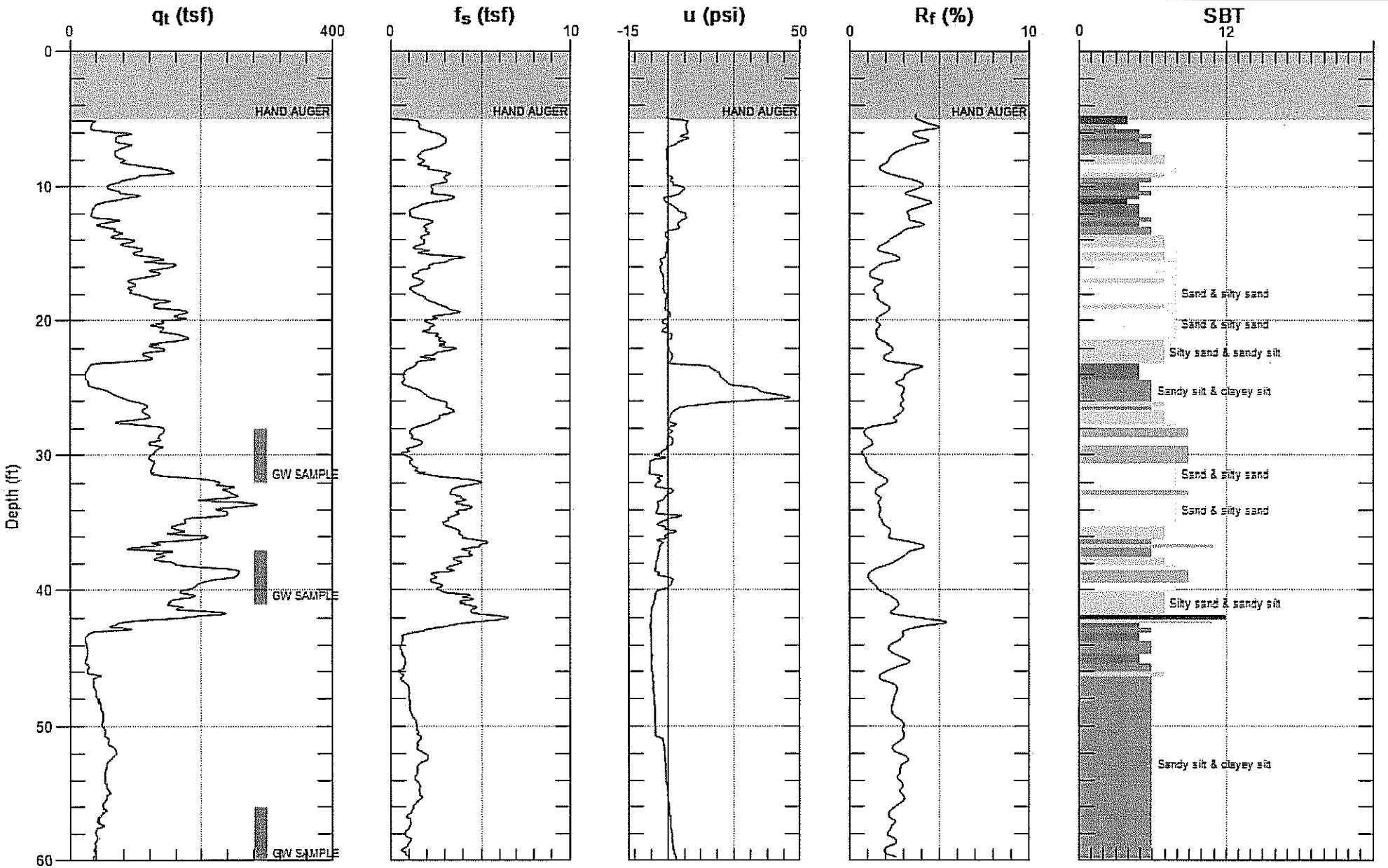
SBT: Soil Behavior Type (Robertson 1990)

GREGG

STRATUS

Site: ARCO #11117
Sounding: CPT-02

Engineer: S.SALCEDO
Date: 4/26/2007 08:04



Max. Depth: 60.039 (ft)
Avg. Interval: 0.328 (ft)

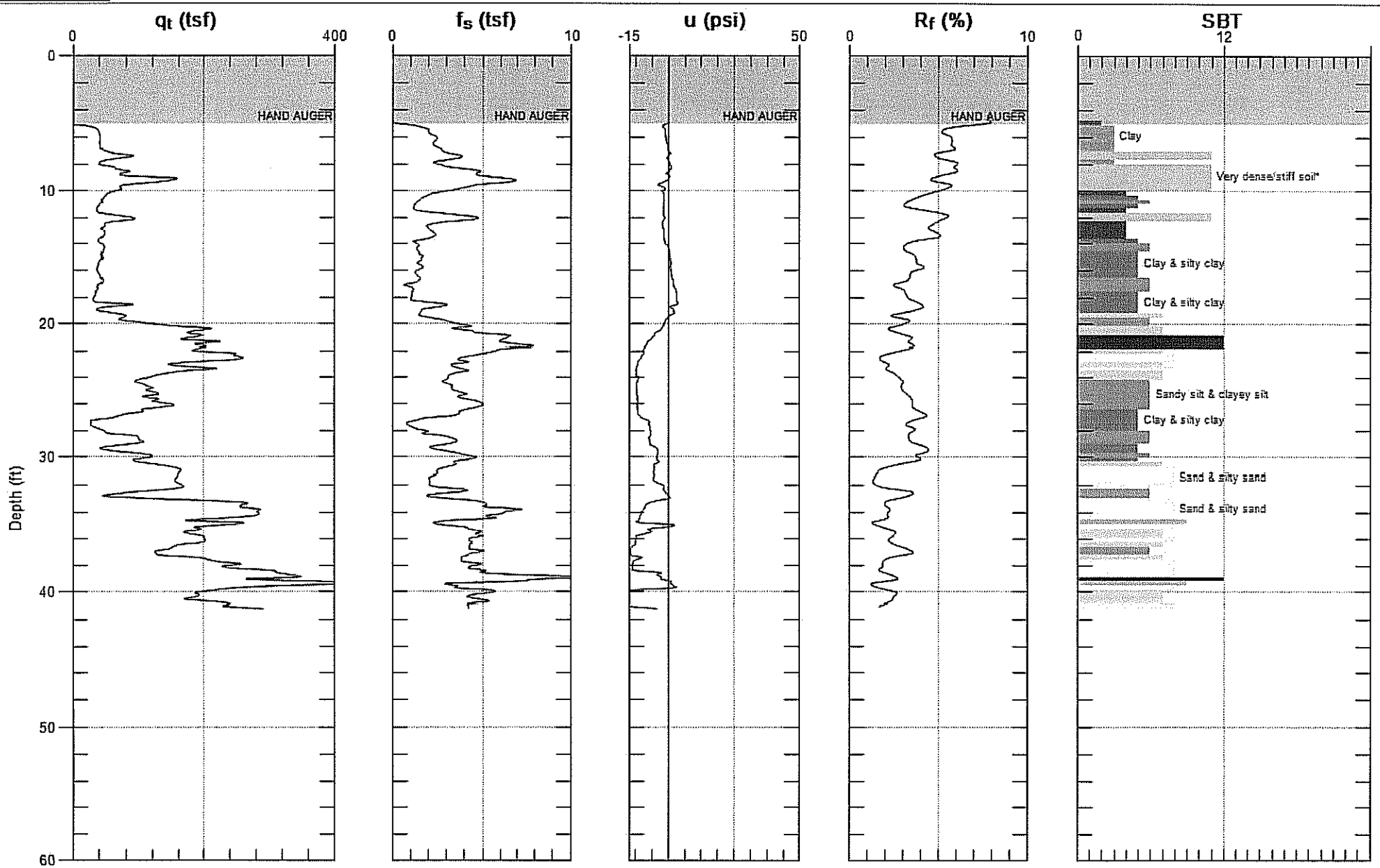
SBT: Soil Behavior Type (Robertson 1990)

GREGG

STRATUS

Site: ARCO #11117
Sounding: CPT-01

Engineer: S.SALCEDO
Date: 4/26/2007 06:26



Max. Depth: 41.175 (ft)
Avg. Interval: 0.328 (ft)

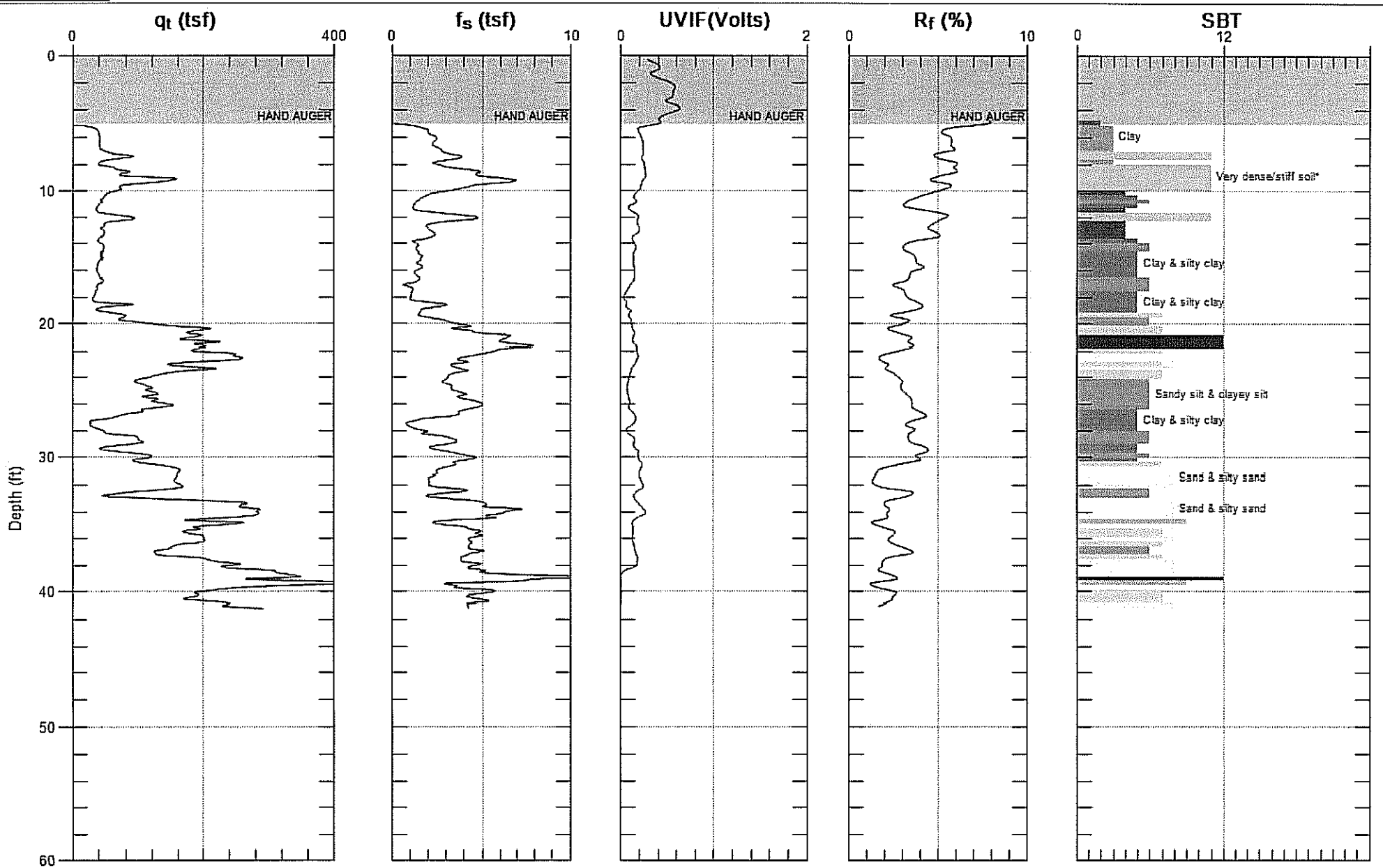
SBT: Soil Behavior Type (Robertson 1990)

GREGG

STRATUS

Site: ARCO #11117
Sounding: CPT-01

Engineer: S.SALCEDO
Date: 4/26/2007 06:26



Max. Depth: 41.175 (ft)
Avg. Interval: 0.328 (ft)

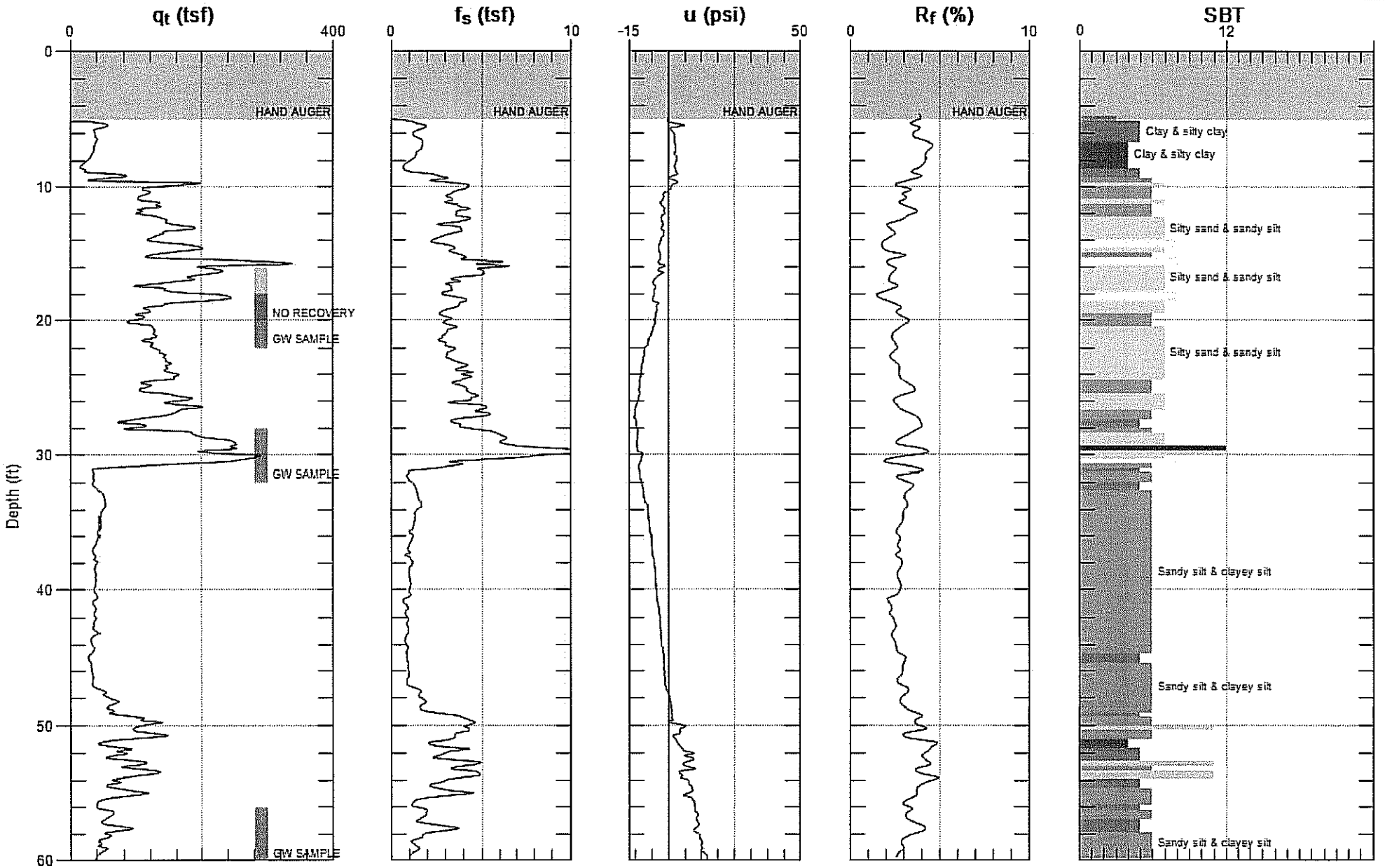
SBT: Soil Behavior Type (Robertson 1990)

GREGG

STRATUS

Site: ARCO #11117
Sounding: CPT-03

Engineer: S.SALCEDO
Date: 4/26/2007 11:43



Max. Depth: 60.039 (ft)
Avg. Interval: 0.328 (ft)

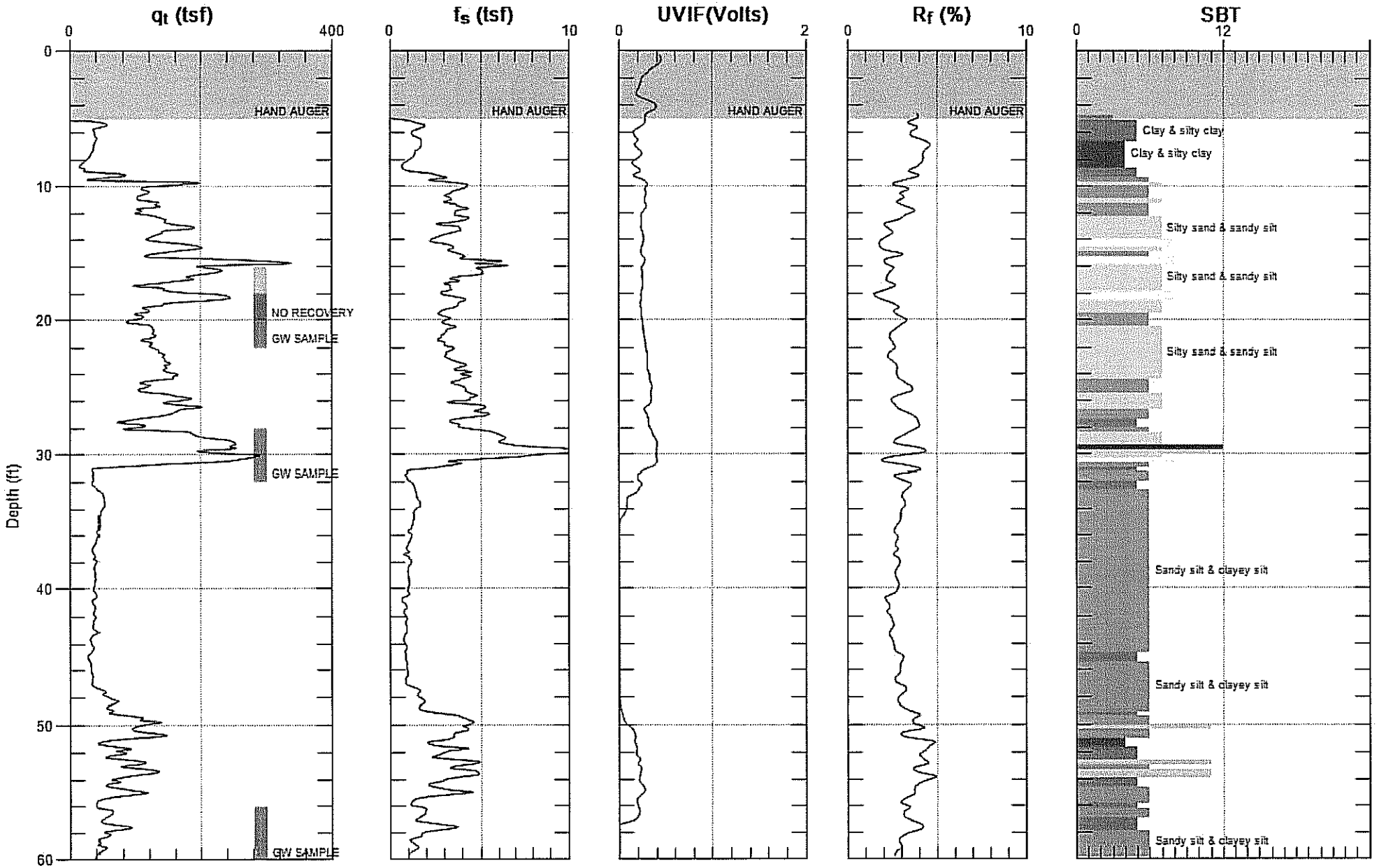
SBT: Soil Behavior Type (Robertson 1990)

GREGG

STRATUS

Site: ARCO #11117
Sounding: CPT-03

Engineer: S.SALCEDO
Date: 4/26/2007 11:43



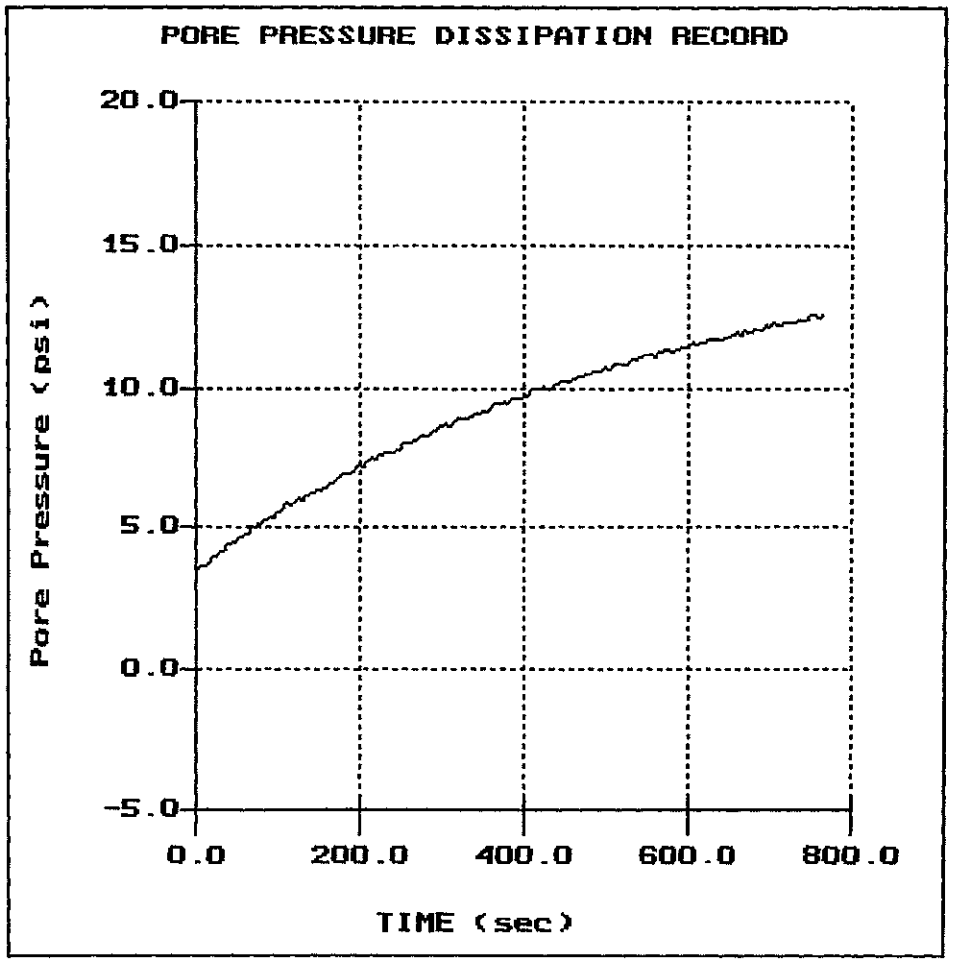
Max. Depth: 60.039 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

STRATUS

Site:ARCO #11117
Location:CPT-02

Oversite:S.SALCEDO
Date:04:26:07 08:04

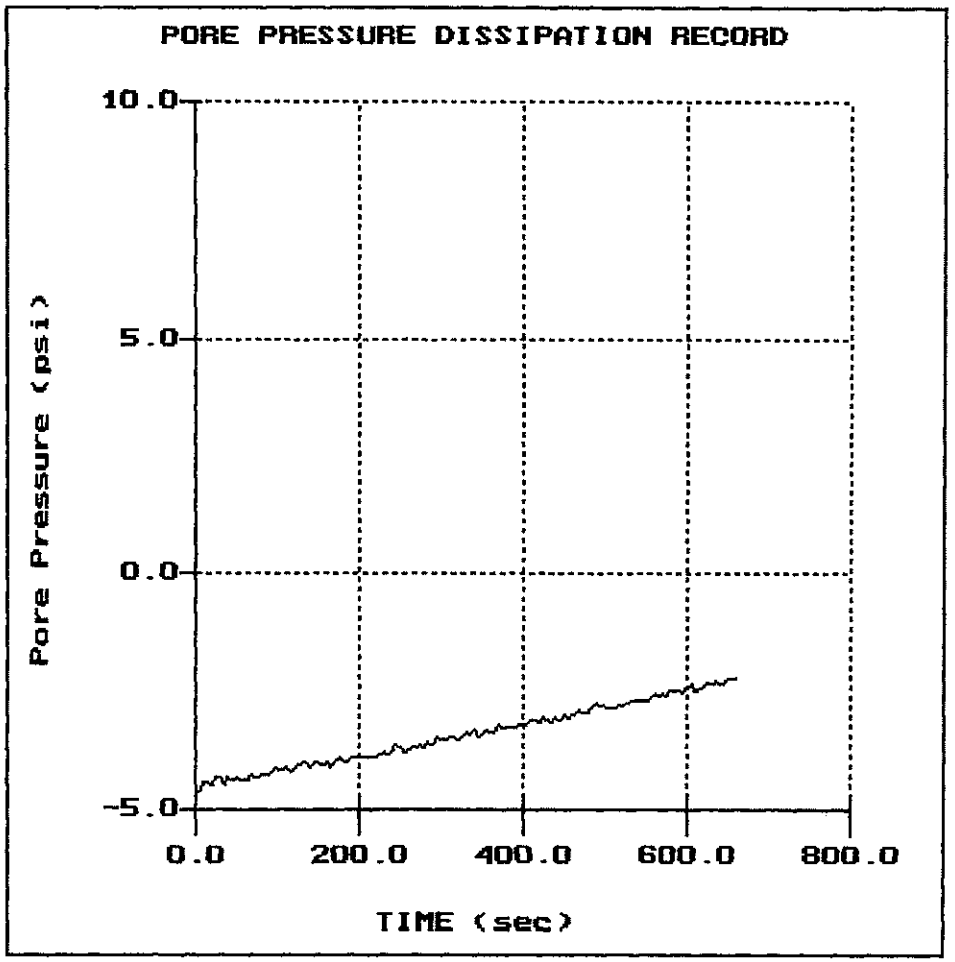


File: 129C02.PPC
Depth (m): 18.30
(ft): 60.04
Duration : 765.0s
U-min: 3.46 0.0s
U-max: 12.57 765.0s

STRATUS

Site:ARCO #11117
Location:CPT-02

Oversite:S.SALCEDO
Date:04:26:07 08:04

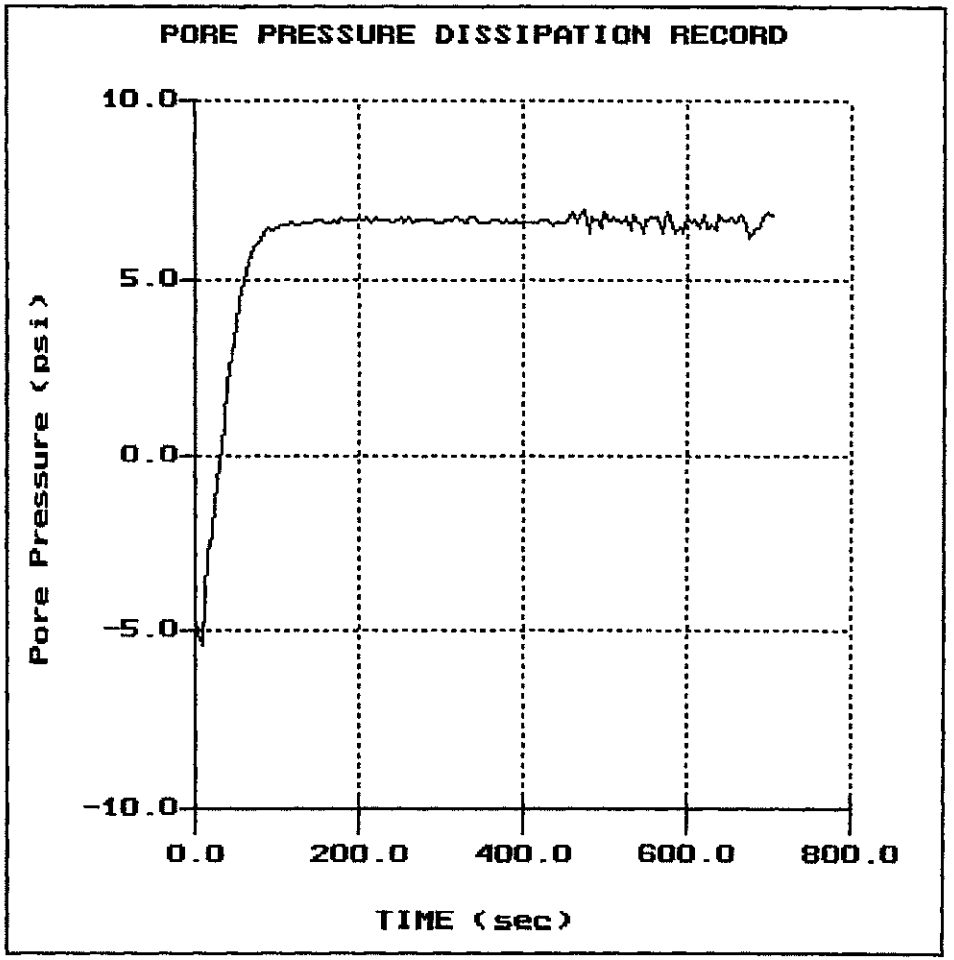


File: 129C02.PPC
Depth (m): 15.45
(ft): 50.69
Duration : 660.0s
U-min: -4.66 0.0s
U-max: -2.22 660.0s

STRATUS

Site:ARCO #11117
Location:CPT-02

Oversite:S.SALCEDO
Date:04:26:07 08:04

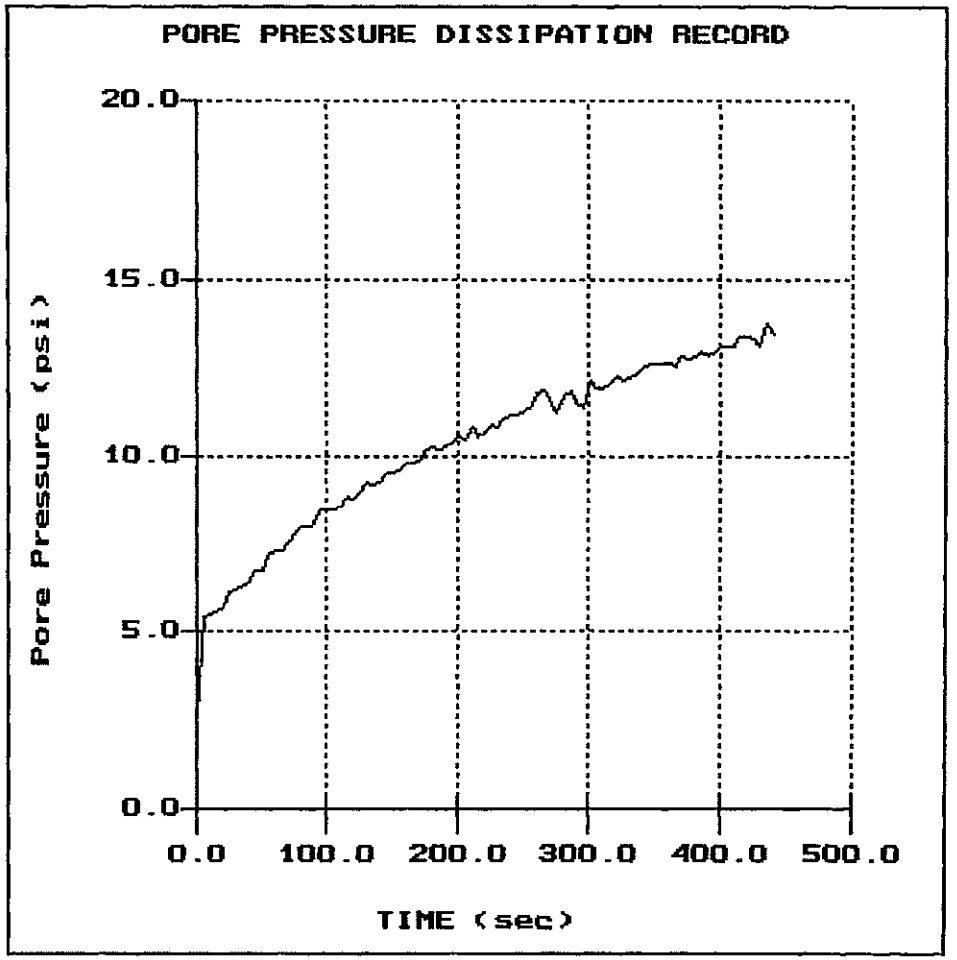


File: 129C02.PPC
Depth (m): 9.15
(ft): 30.02
Duration : 705.0s
U-min: -5.41 10.0s
U-max: 6.92 475.0s

STRATUS

Site:ARCO #11117
Location:CPT-02

Oversite:S.SALCEDO
Date:04:26:07 08:04

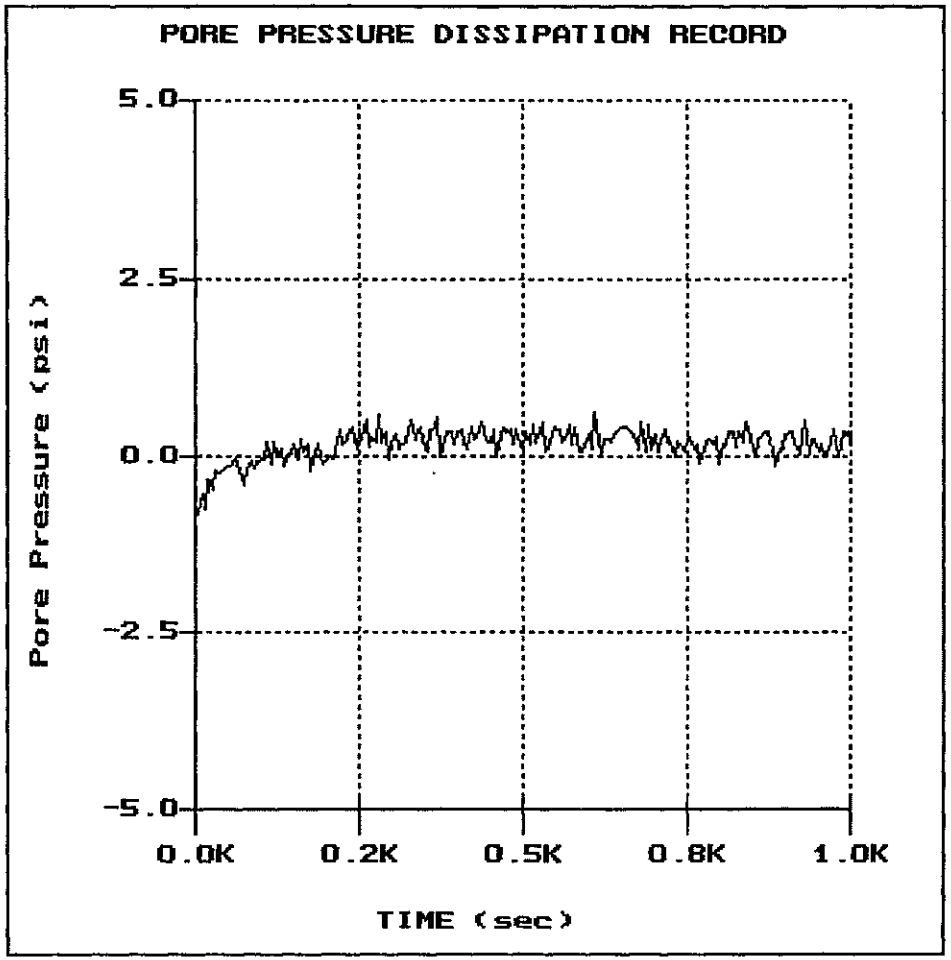


File: 129C02.PPC
Depth (m): 7.05
(ft): 23.13
Duration : 440.0s
U-min: 2.54 0.0s
U-max: 13.73 435.0s

STRATUS

Site:ARCO #11117
Location:CPT-02

Oversite:S.SALCEDO
Date:04:26:07 08:04



File: 129C02.PPC
Depth (m): 4.45
(ft): 14.60
Duration : 1000.0s
U-min: -0.85 5.0s
U-max: 0.63 610.0s

APPENDIX CPT

Cone Penetration Testing Procedure (CPT)

Gregg Drilling & Testing, Inc. carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*. The soundings were conducted using a 20 ton capacity cone with a tip area of 15 cm^2 and a friction sleeve area of 225 cm^2. The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.85.

The cone takes measurements of cone bearing (q_c), sleeve friction (f_s) and penetration pore water pressure (u_2) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. CPT data reduction and interpretation is performed in real time facilitating on-site decision making. The above mentioned parameters are stored on disk for further analysis and reference. All CPT soundings are performed in accordance with revised (2002) ASTM standards (D 5778-95).

The cone also contains a porous filter element located directly behind the cone tip (u_2), *Figure CPT*. It consists of porous plastic and is 5.0mm thick. The filter element is used to obtain penetration pore pressure as the cone is advanced as well as Pore Pressure Dissipation Tests (PPDT's) during appropriate pauses in penetration. It should be noted that prior to penetration, the element is fully saturated with silicon oil under vacuum pressure to ensure accurate and fast dissipation.

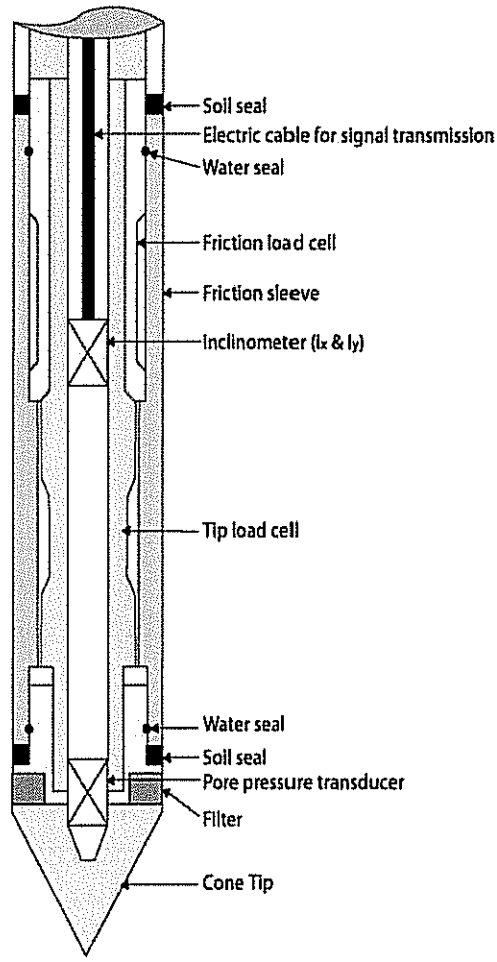


Figure CPT

When the soundings are complete, the test holes are grouted using a Gregg In Situ support rig. The grouting procedures generally consist of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.

Cone Penetration Test Data & Interpretation

Soil behavior type and stratigraphic interpretation is based on relationships between cone bearing (q_c), sleeve friction (f_s), and pore water pressure (u_2). The friction ratio (R_f) is a calculated parameter defined by $100f_s/q_c$ and is used to infer soil behavior type. Generally:
Cohesive soils (clays)

- High friction ratio (R_f) due to small cone bearing (q_c)
- Generate large excess pore water pressures (u_2)

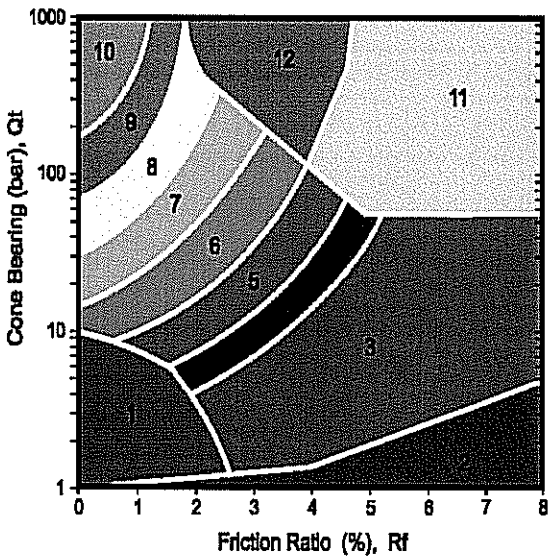
Cohesionless soils (sands)

- Low friction ratio (R_f) due to large cone bearing (q_c)
- Generate very little excess pore water pressures (u_2)

A complete set of baseline readings are taken prior to and at the completion of each sounding to determine temperature shifts and any zero load offsets. Corrections for temperature shifts and zero load offsets can be extremely important, especially when the recorded loads are relatively small. In sandy soils, however, these corrections are generally negligible.

The cone penetration test data collected from your site is presented in graphical form in Appendix CPT. The data includes CPT logs of measured soil parameters, computer calculations of interpreted soil behavior types (SBT), and additional geotechnical parameters. A summary of locations and depths is available in Table 1. Note that all penetration depths referenced in the data are with respect to the existing ground surface.

Soil interpretation for this project was conducted using recent correlations developed by Robertson et al, 1990, *Figure SBT*. Note that it is not always possible to clearly identify a soil type based solely on q_c, f_s, and u_2. In these situations, experience, judgment, and an assessment of the pore pressure dissipation data should be used to infer the soil behavior type.



ZONE	Qt/N	SBT
1	2	Sensitive, fine grained
2	1	Organic materials
3	1	Clay
4	1.5	Silty clay to clay
5	2	Clayey silt to silty clay
6	2.5	Sandy silt to clayey silt
7	3	Silty sand to sandy silt
8	4	Sand to silty sand
9	5	Sand
10	6	Gravely sand to sand
11	1	Very stiff fine grained*
12	2	Sand to clayey sand*

*over consolidated or cemented

Figure SBT

APPENDIX PPD

Pore Pressure Dissipation Tests (PPDT)

Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals measured hydrostatic water pressures and determined the approximate depth of the ground water table. A PPDT is conducted when the cone is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure (u) with time is measured behind the tip of the cone and recorded by a computer system.
Pore pressure dissipation data can be interpreted to provide estimates of:

- Equilibrium piezometric pressure
- Phreatic Surface
- In situ horizontal coefficient of consolidation (c_h)
- In situ horizontal coefficient of permeability (k_h)

In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until such time as there is no variation in pore pressure with time, *Figure PPDT.* This time is commonly referred to as t_{100}, the point at which 100% of the excess pore pressure has dissipated.

A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1992.

A summary of the pore pressure dissipation tests is summarized in Table 1. Pore pressure dissipation data is presented in graphical form in Appendix PPDT.

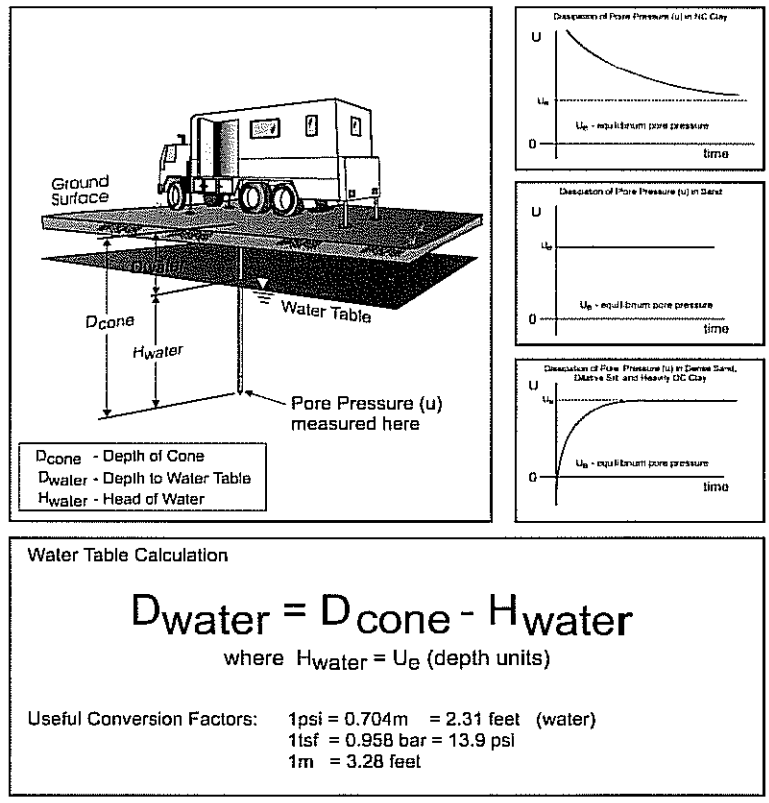


Figure PPDT

APPENDIX U.V.I.F.

Ultra Violet Induced Flourescence (UVIFCPTu)

Gregg In Situ, Inc. conducts Ultra Violet Induced Fluorescence (UVIF) Cone Penetration Tests using a UVIF module that is located behind the standard piezocone, *Figure UVIF*. The ultra violet induced fluorescence cone works on the principle that polyaromatic hydrocarbons (PAH's), mixed with soil and groundwater, fluoresce when irradiated by ultra violet light. Therefore, by measuring the UVIF intensity of the soil and groundwater the lateral and vertical extent of polyaromatic hydrocarbon contamination in the ground can be determined.

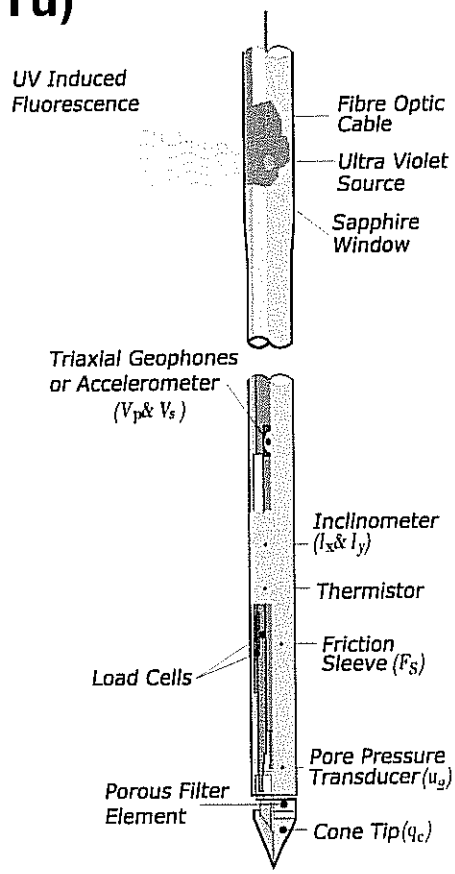


Figure UVIF

The UVIF module uses principles of fluorescence spectrometry by irradiating the soil with ultra violet light. The hydrocarbon molecules absorb the UV light energy during radiation and immediately re-emit the light at a longer wavelength. This re-emission is termed fluorescence. The difference between the excitation (250 nm) and emission (275-550 nm) wavelengths is called the Stokes shift. Specific hydrocarbon compounds can be identified by the magnitude of their Stokes shift refer to Figure EWL.

In general, as the number of aromatic rings increase the fluorescent response shifts toward longer wavelengths. Therefore, lighter compounds tend to fluoresce at shorter wavelengths and heavier compounds fluoresce at longer wavelengths.

The UVIF module contains a fiber optic cable that captures the emitted radiation and sends it to an amplifier at the surface so the intensity can be recorded.

The UVIF data is displayed in graphical form along with soil behavior type and other calculated parameters with the corresponding CPT plot.

For a detailed reference on UVIF cone testing, refer to Woeller et. al., 2000.

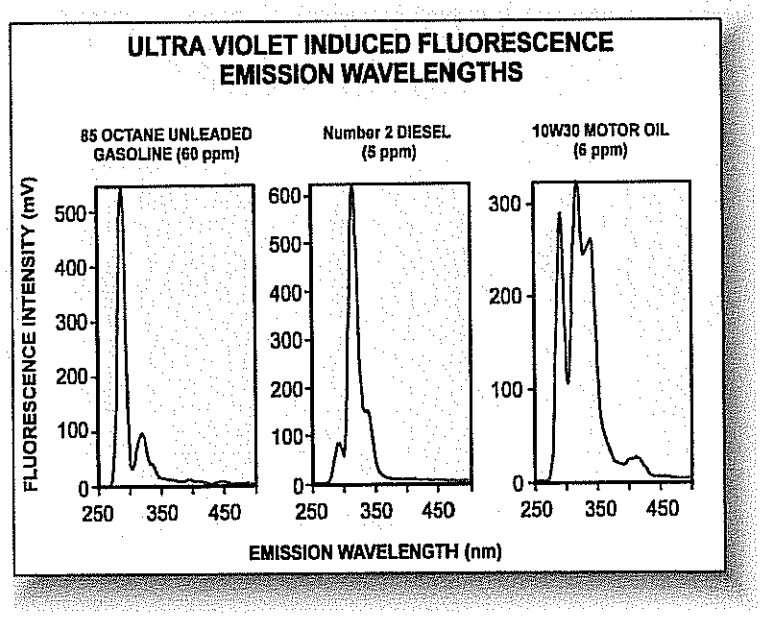


Figure EWL (After Fontana, 1994)

APPENDIX GWS

Groundwater Sampling (GWS)

Gregg In Situ, Inc. conducts groundwater sampling using a Hydropunch® type groundwater sampler, *Figure GWS*. The groundwater sampler has a retrievable stainless steel or disposable PVC screen with steel drop off tip. This allows for samples to be taken at multiple depth intervals within the same sounding location. In areas of slower water recharge, provisions may be made to set temporary PVC well screens during sampling to allow the drill rig to advance to the next sample location while the groundwater is allowed to infiltrate.

The groundwater sampler operates by advancing 1 ¾ inch hollow push rods with the filter tip in a closed configuration to the base of the desired sampling interval. Once at the desired sample depth, the push rods are retracted; exposing the encased filter screen and allowing groundwater to infiltrate hydrostatically from the formation into the inlet screen. A small diameter bailer (approximately ½ or ¾ inch) is lowered through the push rods into the screen section for sample collection. The number of downhole trips with the bailer and time necessary to complete the sample collection at each depth interval is a function of sampling protocols, volume requirements, and the yield characteristics and storage capacity of the formation. Upon completion of sample collection, the push rods and sampler, with the exception of the PVC screen and steel drop off tip are retrieved to the ground surface, decontaminated and prepared for the next sampling event.

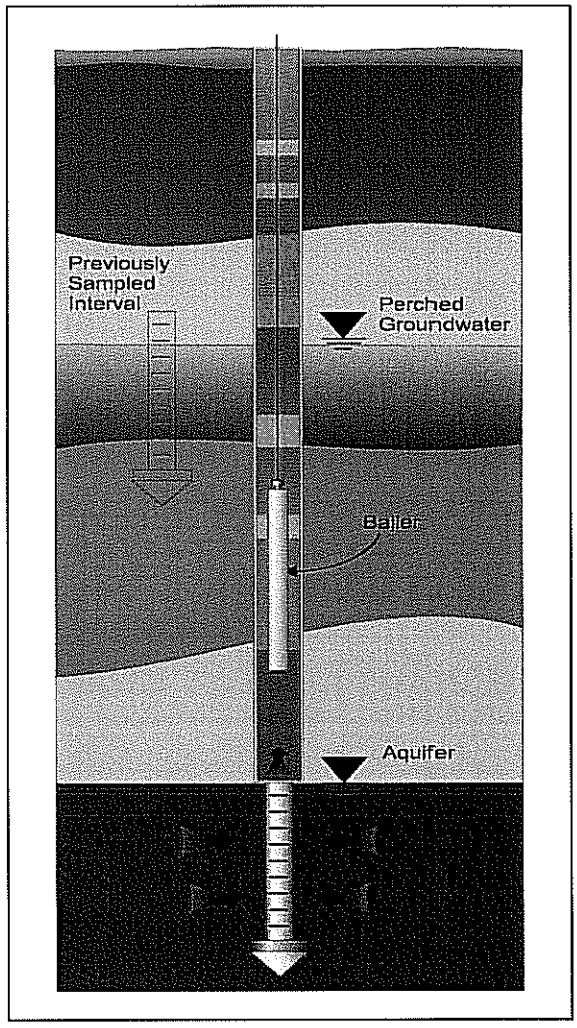


Figure GWS

A summary of the groundwater samples collected, including the sampling date, depth and location identification, is presented in Table 1 and the corresponding CPT plot.

For a detailed reference on direct push groundwater sampling, refer to Zemo et. al., 1992.

Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice" E & FN Spon. ISBN 0 419 23750, 1997

Roberston, P.K., "Soil Classification using the Cone Penetration Test", Canadian Geotechnical Journal, Vol. 27, 1990 pp. 151-158.

Mayne, P.W., "NHI (2002) Manual on Subsurface Investigations: Geotechnical Site Characterization", available through www.ce.gatech.edu/~geosys/Faculty/Mayne/papers/index.html, Section 5.3, pp. 107-112.

Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986 pp. 791-803.

Robertson, P.K., Sully, J., Woeller, D.J., Lunne, T., Powell, J.J.M., and Gillespie, D.J., "Guidelines for Estimating Consolidation Parameters in Soils from Piezocone Tests", Canadian Geotechnical Journal, Vol. 29, No. 4, August 1992, pp. 539-550.

Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

Campanella, R.G. and I. Weemees, "Development and Use of An Electrical Resistivity Cone for Groundwater Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

DeGroot, D.J. and A.J. Lutenegger, "Reliability of Soil Gas Sampling and Characterization Techniques", International Site Characterization Conference - Atlanta, 1998.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

Copies of ASTM Standards are available through www.astm.org

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8 May, 2007

Jay Johnson
Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park, CA 95682

RE: BP Heritage #11117,Oakland, CA
Work Order: MQE0026

Enclosed are the results of analyses for samples received by the laboratory on 04/30/07 20:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CPT-3-23'-27'	MQE0026-01	Water	04/26/07 16:31	04/30/07 20:20
CPT-3-28'-32'	MQE0026-02	Water	04/26/07 16:46	04/30/07 20:20
CPT-3-56'-60'	MQE0026-03	Water	04/27/07 08:40	04/30/07 20:20
CPT-1-30'-34'	MQE0026-04	Water	04/27/07 11:15	04/30/07 20:20
CPT-1-37'-41'	MQE0026-05	Water	04/27/07 11:40	04/30/07 20:20
CPT-2-28'-32'	MQE0026-06	Water	04/27/07 14:00	04/30/07 20:20
CPT-2-37'-41'	MQE0026-07	Water	04/27/07 14:09	04/30/07 20:20

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with intact custody seals.

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-3-23'-27' (MQE0026-01) Water	**Sampled: 04/26/07 16:31**	**Received: 04/30/07 20:20**							
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E02001	05/02/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*60-135*		"	"	"	"	
CPT-3-28'-32' (MQE0026-02) Water	**Sampled: 04/26/07 16:46**	**Received: 04/30/07 20:20**							
Gasoline Range Organics (C4-C12)	**170**	50	ug/l	1	7E02001	05/02/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*60-135*		"	"	"	"	
CPT-3-56'-60' (MQE0026-03) Water	**Sampled: 04/27/07 08:40**	**Received: 04/30/07 20:20**							
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E02001	05/02/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*60-135*		"	"	"	"	
CPT-1-30'-34' (MQE0026-04) Water	**Sampled: 04/27/07 11:15**	**Received: 04/30/07 20:20**							
Gasoline Range Organics (C4-C12)	**25000**	5000	ug/l	100	7E02003	05/02/07	05/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*60-135*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-1-37'-41' (MQE0026-05) Water	**Sampled: 04/27/07 11:40 Received: 04/30/07 20:20**								**BZ**
Gasoline Range Organics (C4-C12)	**170000**	12000	ug/l	250	7E04002	05/04/07	05/04/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-135*		"	"	"	"	
CPT-2-28'-32' (MQE0026-06) Water	**Sampled: 04/27/07 14:00 Received: 04/30/07 20:20**								
Gasoline Range Organics (C4-C12)	**29000**	10000	ug/l	200	7E03005	05/03/07	05/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*60-135*		"	"	"	"	
CPT-2-37'-41' (MQE0026-07) Water	**Sampled: 04/27/07 14:09 Received: 04/30/07 20:20**								
Gasoline Range Organics (C4-C12)	**26000**	5000	ug/l	100	7E04004	05/04/07	05/04/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-135*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-3-23'-27' (MQE0026-01) Water Sampled: 04/26/07 16:31 Received: 04/30/07 20:20									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7E02001	05/02/07	05/02/07	EPA 8260B	
Benzene	**0.51**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**9.2**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*60-135*		"	"	"	"	
CPT-3-28'-32' (MQE0026-02) Water Sampled: 04/26/07 16:46 Received: 04/30/07 20:20									
tert-Amyl methyl ether	ND	2.5	ug/l	5	7E02001	05/02/07	05/02/07	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	1500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**280**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*	*60-135*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-3-56'-60' (MQE0026-03) Water Sampled: 04/27/07 08:40 Received: 04/30/07 20:20									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7E02001	05/02/07	05/02/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.4**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*60-135*		"	"	"	"	
CPT-1-30'-34' (MQE0026-04) Water Sampled: 04/27/07 11:15 Received: 04/30/07 20:20									
tert-Amyl methyl ether	ND	50	ug/l	100	7E02003	05/02/07	05/03/07	EPA 8260B	
Benzene	ND	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	30000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	**1200**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Toluene	**57**	50	"	"	"	"	"	"	
Xylenes (total)	**2400**	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*60-135*		"	"	"	"	

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Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-1-37'-41' (MQE0026-05) Water	**Sampled: 04/27/07 11:40**	**Received: 04/30/07 20:20**							
tert-Amyl methyl ether	ND	120	ug/l	250	7E07004	05/07/07	05/07/07	EPA 8260B	
Benzene	**2300**	120	"	"	"	"	"	"	
tert-Butyl alcohol	ND	5000	"	"	"	"	"	"	
Di-isopropyl ether	ND	120	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	120	"	"	"	"	"	"	
1,2-Dichloroethane	ND	120	"	"	"	"	"	"	
Ethanol	ND	75000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	120	"	"	"	"	"	"	
Ethylbenzene	**2600**	120	"	"	"	"	"	"	
Methyl tert-butyl ether	**190**	120	"	"	"	"	"	"	
Toluene	**600**	120	"	"	"	"	"	"	
Xylenes (total)	**9600**	120	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*60-135*		"	"	"	"	
CPT-2-28'-32' (MQE0026-06) Water	**Sampled: 04/27/07 14:00**	**Received: 04/30/07 20:20**							
tert-Amyl methyl ether	ND	100	ug/l	200	7E03005	05/03/07	05/03/07	EPA 8260B	
Benzene	**450**	100	"	"	"	"	"	"	
tert-Butyl alcohol	ND	4000	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
Ethanol	ND	60000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Ethylbenzene	**2100**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Toluene	**670**	100	"	"	"	"	"	"	
Xylenes (total)	**4100**	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*60-135*		"	"	"	"	

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Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CPT-2-37'-41' (MQE0026-07) Water Sampled: 04/27/07 14:09 Received: 04/30/07 20:20									
tert-Amyl methyl ether	ND	50	ug/l	100	7E04004	05/04/07	05/04/07	EPA 8260B	
Benzene	**7700**	50	"	"	"	"	"	"	
tert-Butyl alcohol	**2400**	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	30000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	**530**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**6500**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Xylenes (total)	**290**	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-135*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E02001 - EPA 5030B P/T / LUFT GCMS										
Blank (7E02001-BLK1)				Prepared & Analyzed: 05/02/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-125*			
Surrogate: Dibromofluoromethane	*2.41*		"	*2.50*		*96*	*75-120*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.32*		"	*2.50*		*93*	*60-135*			
Laboratory Control Sample (7E02001-BS2)				Prepared & Analyzed: 05/02/07						
Gasoline Range Organics (C4-C12)	494	50	ug/l	500		99	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.32*		"	*2.50*		*93*	*60-125*			
Surrogate: Dibromofluoromethane	*2.38*		"	*2.50*		*95*	*75-120*			
Surrogate: Toluene-d8	*2.46*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.64*		"	*2.50*		*106*	*60-135*			
Laboratory Control Sample Dup (7E02001-BSD2)				Prepared & Analyzed: 05/02/07						
Gasoline Range Organics (C4-C12)	489	50	ug/l	500		98	65-120	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*60-125*			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-120*			
Surrogate: Toluene-d8	*2.45*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.56*		"	*2.50*		*102*	*60-135*			
Batch 7E02003 - EPA 5030B P/T / LUFT GCMS										
Blank (7E02003-BLK1)				Prepared & Analyzed: 05/02/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.68*		"	*2.50*		*107*	*60-125*			
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: Toluene-d8	*2.32*		"	*2.50*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.31*		"	*2.50*		*92*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E02003 - EPA 5030B P/T / LUFT GCMS										
Laboratory Control Sample (7E02003-BS2)				Prepared & Analyzed: 05/02/07						
Gasoline Range Organics (C4-C12)	425	50	ug/l	500		85	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.75*		"	*2.50*		*110*	*60-125*			
Surrogate: Dibromofluoromethane	*2.33*		"	*2.50*		*93*	*75-120*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.68*		"	*2.50*		*107*	*60-135*			
Laboratory Control Sample Dup (7E02003-BSD2)				Prepared & Analyzed: 05/02/07						
Gasoline Range Organics (C4-C12)	411	50	ug/l	500		82	65-120	3	20	
Surrogate: 1,2-Dichloroethane-d4	*2.66*		"	*2.50*		*106*	*60-125*			
Surrogate: Dibromofluoromethane	*2.38*		"	*2.50*		*95*	*75-120*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.57*		"	*2.50*		*103*	*60-135*			
Batch 7E03005 - EPA 5030B P/T / LUFT GCMS										
Blank (7E03005-BLK1)				Prepared & Analyzed: 05/03/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-125*			
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: Toluene-d8	*2.38*		"	*2.50*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.37*		"	*2.50*		*95*	*60-135*			
Laboratory Control Sample (7E03005-BS2)				Prepared & Analyzed: 05/03/07						
Gasoline Range Organics (C4-C12)	458	50	ug/l	500		92	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*60-125*			
Surrogate: Dibromofluoromethane	*2.45*		"	*2.50*		*98*	*75-120*			
Surrogate: Toluene-d8	*2.44*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.45*		"	*2.50*		*98*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E03005 - EPA 5030B P/T / LUFT GCMS										
Laboratory Control Sample Dup (7E03005-BSD2)				Prepared & Analyzed: 05/03/07						
Gasoline Range Organics (C4-C12)	450	50	ug/l	500		90	65-120	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-125*			
Surrogate: Dibromofluoromethane	*2.34*		"	*2.50*		*94*	*75-120*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.47*		"	*2.50*		*99*	*60-135*			
Batch 7E04002 - EPA 5030B P/T / LUFT GCMS										
Blank (7E04002-BLK1)				Prepared & Analyzed: 05/04/07						**BZ**
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.84*		"	*2.50*		*114*	*60-125*			
Surrogate: Dibromofluoromethane	*2.55*		"	*2.50*		*102*	*75-120*			
Surrogate: Toluene-d8	*2.60*		"	*2.50*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.40*		"	*2.50*		*96*	*60-135*			
Laboratory Control Sample (7E04002-BS2)				Prepared & Analyzed: 05/04/07						
Gasoline Range Organics (C4-C12)	470	50	ug/l	500		94	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.74*		"	*2.50*		*110*	*60-125*			
Surrogate: Dibromofluoromethane	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: Toluene-d8	*2.70*		"	*2.50*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.60*		"	*2.50*		*104*	*60-135*			
Laboratory Control Sample Dup (7E04002-BSD2)				Prepared & Analyzed: 05/04/07						
Gasoline Range Organics (C4-C12)	483	50	ug/l	500		97	65-120	3	20	
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*60-125*			
Surrogate: Dibromofluoromethane	*2.51*		"	*2.50*		*100*	*75-120*			
Surrogate: Toluene-d8	*2.63*		"	*2.50*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*60-135*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E04004 - EPA 5030B P/T / LUFT GCMS										
Blank (7E04004-BLK1)				Prepared & Analyzed: 05/04/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-125*			
Surrogate: Dibromofluoromethane	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.35*		"	*2.50*		*94*	*60-135*			
Laboratory Control Sample (7E04004-BS2)				Prepared & Analyzed: 05/04/07						
Gasoline Range Organics (C4-C12)	460	50	ug/l	500		92	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-125*			
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: Toluene-d8	*2.51*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.40*		"	*2.50*		*96*	*60-135*			
Laboratory Control Sample Dup (7E04004-BSD2)				Prepared & Analyzed: 05/04/07						
Gasoline Range Organics (C4-C12)	456	50	ug/l	500		91	65-120	0.9	20	
Surrogate: 1,2-Dichloroethane-d4	*2.24*		"	*2.50*		*90*	*60-125*			
Surrogate: Dibromofluoromethane	*2.45*		"	*2.50*		*98*	*75-120*			
Surrogate: Toluene-d8	*2.48*		"	*2.50*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.51*		"	*2.50*		*100*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E02001 - EPA 5030B P/T / EPA 8260B										
Blank (7E02001-BLK1)				Prepared & Analyzed: 05/02/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.41*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-125*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.32*		"	*2.50*		*93*	*60-135*			
Laboratory Control Sample (7E02001-BS1)				Prepared & Analyzed: 05/02/07						
tert-Amyl methyl ether	11.3	0.50	ug/l	10.0		113	65-135			
Benzene	11.0	0.50	"	10.0		110	75-120			
tert-Butyl alcohol	200	20	"	200		100	60-135			
Di-isopropyl ether	11.0	0.50	"	10.0		110	70-130			
1,2-Dibromoethane (EDB)	11.3	0.50	"	10.0		113	80-135			
1,2-Dichloroethane	11.0	0.50	"	10.0		110	70-125			
Ethanol	205	300	"	200		102	15-150			
Ethyl tert-butyl ether	10.8	0.50	"	10.0		108	65-130			
Ethylbenzene	11.2	0.50	"	10.0		112	75-120			
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	50-140			
Toluene	11.0	0.50	"	10.0		110	75-120			
Xylenes (total)	33.2	0.50	"	30.0		111	75-120			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.39*		"	*2.50*		*96*	*60-125*			
Surrogate: Toluene-d8	*2.43*		"	*2.50*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E02001 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7E02001-MS1)	**Source: MQD1163-02**			Prepared & Analyzed: 05/02/07						
tert-Amyl methyl ether	103	5.0	ug/l	100	ND	103	65-135			
Benzene	2270	5.0	"	100	2300	0	75-120			BB, EY
tert-Butyl alcohol	1950	200	"	2000	ND	98	60-135			
Di-isopropyl ether	97.9	5.0	"	100	ND	98	70-130			
1,2-Dibromoethane (EDB)	108	5.0	"	100	ND	108	80-135			
1,2-Dichloroethane	95.2	5.0	"	100	ND	95	70-125			
Ethanol	2110	3000	"	2000	ND	106	15-150			
Ethyl tert-butyl ether	96.4	5.0	"	100	ND	96	65-130			
Ethylbenzene	307	5.0	"	100	210	97	75-120			
Methyl tert-butyl ether	160	5.0	"	100	63	97	50-140			
Toluene	1030	5.0	"	100	940	90	75-120			
Xylenes (total)	1340	5.0	"	300	1000	113	75-120			
Surrogate: Dibromofluoromethane	*2.36*		"	*2.50*		*94*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.26*		"	*2.50*		*90*	*60-125*			
Surrogate: Toluene-d8	*2.39*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.56*		"	*2.50*		*102*	*60-135*			
Matrix Spike Dup (7E02001-MSD1)	**Source: MQD1163-02**			Prepared & Analyzed: 05/02/07						
tert-Amyl methyl ether	107	5.0	ug/l	100	ND	107	65-135	4	25	
Benzene	2220	5.0	"	100	2300	0	75-120	2	20	BB, EY
tert-Butyl alcohol	2050	200	"	2000	ND	102	60-135	5	25	
Di-isopropyl ether	103	5.0	"	100	ND	103	70-130	5	25	
1,2-Dibromoethane (EDB)	109	5.0	"	100	ND	109	80-135	0.9	30	
1,2-Dichloroethane	102	5.0	"	100	ND	102	70-125	7	25	
Ethanol	2270	3000	"	2000	ND	114	15-150	7	25	
Ethyl tert-butyl ether	103	5.0	"	100	ND	103	65-130	7	25	
Ethylbenzene	318	5.0	"	100	210	108	75-120	4	20	
Methyl tert-butyl ether	169	5.0	"	100	63	106	50-140	5	25	
Toluene	1040	5.0	"	100	940	100	75-120	1	25	
Xylenes (total)	1380	5.0	"	300	1000	127	75-120	3	20	BB
Surrogate: Dibromofluoromethane	*2.36*		"	*2.50*		*94*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-125*			
Surrogate: Toluene-d8	*2.46*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.51*		"	*2.50*		*100*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E02003 - EPA 5030B P/T / EPA 8260B										
Blank (7E02003-BLK1)				Prepared & Analyzed: 05/02/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.68*		"	*2.50*		*107*	*60-125*			
Surrogate: Toluene-d8	*2.32*		"	*2.50*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.31*		"	*2.50*		*92*	*60-135*			
Laboratory Control Sample (7E02003-BS1)				Prepared & Analyzed: 05/02/07						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0		102	65-135			
Benzene	9.29	0.50	"	10.0		93	75-120			
tert-Butyl alcohol	201	20	"	200		100	60-135			
Di-isopropyl ether	9.47	0.50	"	10.0		95	70-130			
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0		105	80-135			
1,2-Dichloroethane	11.1	0.50	"	10.0		111	70-125			
Ethanol	195	300	"	200		98	15-150			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	65-130			
Ethylbenzene	9.33	0.50	"	10.0		93	75-120			
Methyl tert-butyl ether	10.0	0.50	"	10.0		100	50-140			
Toluene	9.35	0.50	"	10.0		94	75-120			
Xylenes (total)	28.0	0.50	"	30.0		93	75-120			
Surrogate: Dibromofluoromethane	*2.39*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.80*		"	*2.50*		*112*	*60-125*			
Surrogate: Toluene-d8	*2.35*		"	*2.50*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.36*		"	*2.50*		*94*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E02003 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7E02003-MS1)	**Source: MQE0002-01**			Prepared: 05/02/07 Analyzed: 05/03/07						
tert-Amyl methyl ether	11.6	0.50	ug/l	10.0	ND	116	65-135			
Benzene	11.0	0.50	"	10.0	0.79	102	75-120			
tert-Butyl alcohol	225	20	"	200	ND	112	60-135			
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	70-130			
1,2-Dibromoethane (EDB)	11.7	0.50	"	10.0	ND	117	80-135			
1,2-Dichloroethane	13.0	0.50	"	10.0	ND	130	70-125			LM
Ethanol	250	300	"	200	ND	125	15-150			
Ethyl tert-butyl ether	11.4	0.50	"	10.0	ND	114	65-130			
Ethylbenzene	11.9	0.50	"	10.0	1.0	109	75-120			
Methyl tert-butyl ether	11.2	0.50	"	10.0	ND	112	50-140			
Toluene	10.8	0.50	"	10.0	0.33	105	75-120			
Xylenes (total)	34.4	0.50	"	30.0	1.5	110	75-120			
Surrogate: Dibromofluoromethane	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.86*		"	*2.50*		*114*	*60-125*			
Surrogate: Toluene-d8	*2.34*		"	*2.50*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*60-135*			
Matrix Spike Dup (7E02003-MSD1)	**Source: MQE0002-01**			Prepared: 05/02/07 Analyzed: 05/03/07						
tert-Amyl methyl ether	11.5	0.50	ug/l	10.0	ND	115	65-135	0.9	25	
Benzene	10.9	0.50	"	10.0	0.79	101	75-120	0.9	20	
tert-Butyl alcohol	227	20	"	200	ND	114	60-135	0.9	25	
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	70-130	0	25	
1,2-Dibromoethane (EDB)	11.8	0.50	"	10.0	ND	118	80-135	0.9	30	
1,2-Dichloroethane	12.8	0.50	"	10.0	ND	128	70-125	2	25	LM
Ethanol	226	300	"	200	ND	113	15-150	10	25	
Ethyl tert-butyl ether	11.4	0.50	"	10.0	ND	114	65-130	0	25	
Ethylbenzene	12.2	0.50	"	10.0	1.0	112	75-120	2	20	
Methyl tert-butyl ether	11.3	0.50	"	10.0	ND	113	50-140	0.9	25	
Toluene	10.9	0.50	"	10.0	0.33	106	75-120	0.9	25	
Xylenes (total)	34.4	0.50	"	30.0	1.5	110	75-120	0	20	
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.82*		"	*2.50*		*113*	*60-125*			
Surrogate: Toluene-d8	*2.39*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.42*		"	*2.50*		*97*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E03005 - EPA 5030B P/T / EPA 8260B										
Blank (7E03005-BLK1)				Prepared & Analyzed: 05/03/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-125*			
Surrogate: Toluene-d8	*2.38*		"	*2.50*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.37*		"	*2.50*		*95*	*60-135*			
Laboratory Control Sample (7E03005-BS1)				Prepared & Analyzed: 05/03/07						
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0		104	65-135			
Benzene	10.5	0.50	"	10.0		105	75-120			
tert-Butyl alcohol	197	20	"	200		98	60-135			
Di-isopropyl ether	10.5	0.50	"	10.0		105	70-130			
1,2-Dibromoethane (EDB)	11.1	0.50	"	10.0		111	80-135			
1,2-Dichloroethane	10.4	0.50	"	10.0		104	70-125			
Ethanol	213	300	"	200		106	15-150			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	65-130			
Ethylbenzene	10.6	0.50	"	10.0		106	75-120			
Methyl tert-butyl ether	10.5	0.50	"	10.0		105	50-140			
Toluene	10.7	0.50	"	10.0		107	75-120			
Xylenes (total)	31.8	0.50	"	30.0		106	75-120			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-125*			
Surrogate: Toluene-d8	*2.49*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*60-135*			

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Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E03005 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7E03005-MS1)	**Source: MQE0026-06**			Prepared & Analyzed: 05/03/07						
tert-Amyl methyl ether	2030	100	ug/l	2000	96	97	65-135			
Benzene	2520	100	"	2000	450	104	75-120			
tert-Butyl alcohol	40400	4000	"	40000	ND	101	60-135			
Di-isopropyl ether	2100	100	"	2000	ND	105	70-130			
1,2-Dibromoethane (EDB)	2120	100	"	2000	ND	106	80-135			
1,2-Dichloroethane	1990	100	"	2000	ND	100	70-125			
Ethanol	45500	60000	"	40000	ND	114	15-150			
Ethyl tert-butyl ether	2020	100	"	2000	ND	101	65-130			
Ethylbenzene	4290	100	"	2000	2100	110	75-120			
Methyl tert-butyl ether	1970	100	"	2000	ND	98	50-140			
Toluene	2810	100	"	2000	670	107	75-120			
Xylenes (total)	10900	100	"	6000	4100	113	75-120			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.28*		"	*2.50*		*91*	*60-125*			
Surrogate: Toluene-d8	*2.45*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.53*		"	*2.50*		*101*	*60-135*			
Matrix Spike Dup (7E03005-MSD1)	**Source: MQE0026-06**			Prepared & Analyzed: 05/03/07						
tert-Amyl methyl ether	2210	100	ug/l	2000	96	106	65-135	8	25	
Benzene	2680	100	"	2000	450	112	75-120	6	20	
tert-Butyl alcohol	40900	4000	"	40000	ND	102	60-135	1	25	
Di-isopropyl ether	2230	100	"	2000	ND	112	70-130	6	25	
1,2-Dibromoethane (EDB)	2280	100	"	2000	ND	114	80-135	7	30	
1,2-Dichloroethane	2170	100	"	2000	ND	108	70-125	9	25	
Ethanol	49600	60000	"	40000	ND	124	15-150	9	25	
Ethyl tert-butyl ether	2170	100	"	2000	ND	108	65-130	7	25	
Ethylbenzene	4440	100	"	2000	2100	117	75-120	3	20	
Methyl tert-butyl ether	2170	100	"	2000	ND	108	50-140	10	25	
Toluene	2980	100	"	2000	670	116	75-120	6	25	
Xylenes (total)	11200	100	"	6000	4100	118	75-120	3	20	
Surrogate: Dibromofluoromethane	*2.43*		"	*2.50*		*97*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-125*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-135*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E04004 - EPA 5030B P/T / EPA 8260B										
Blank (7E04004-BLK1)				Prepared & Analyzed: 05/04/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-125*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.35*		"	*2.50*		*94*	*60-135*			
Laboratory Control Sample (7E04004-BS1)				Prepared & Analyzed: 05/04/07						
tert-Amyl methyl ether	10.3	0.50	ug/l	10.0		103	65-135			
Benzene	10.1	0.50	"	10.0		101	75-120			
tert-Butyl alcohol	198	20	"	200		99	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0		103	70-130			
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0		108	80-135			
1,2-Dichloroethane	10.0	0.50	"	10.0		100	70-125			
Ethanol	224	300	"	200		112	15-150			
Ethyl tert-butyl ether	10.0	0.50	"	10.0		100	65-130			
Ethylbenzene	10.6	0.50	"	10.0		106	75-120			
Methyl tert-butyl ether	10.3	0.50	"	10.0		103	50-140			
Toluene	10.6	0.50	"	10.0		106	75-120			
Xylenes (total)	32.3	0.50	"	30.0		108	75-120			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-125*			
Surrogate: Toluene-d8	*2.43*		"	*2.50*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*60-135*			

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Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E04004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7E04004-MS1)	**Source: MQD1105-01**			Prepared & Analyzed: 05/04/07						
tert-Amyl methyl ether	11.0	0.50	ug/l	10.0	ND	110	65-135			
Benzene	10.5	0.50	"	10.0	ND	105	75-120			
tert-Butyl alcohol	206	20	"	200	4.9	101	60-135			
Di-isopropyl ether	10.9	0.50	"	10.0	ND	109	70-130			
1,2-Dibromoethane (EDB)	11.4	0.50	"	10.0	ND	114	80-135			
1,2-Dichloroethane	11.0	0.50	"	10.0	0.30	107	70-125			
Ethanol	226	300	"	200	ND	113	15-150			
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	65-130			
Ethylbenzene	10.8	0.50	"	10.0	ND	108	75-120			
Methyl tert-butyl ether	37.4	0.50	"	10.0	26	114	50-140			
Toluene	10.9	0.50	"	10.0	ND	109	75-120			
Xylenes (total)	32.7	0.50	"	30.0	ND	109	75-120			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*60-125*			
Surrogate: Toluene-d8	*2.47*		"	*2.50*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-135*			
Matrix Spike Dup (7E04004-MSD1)	**Source: MQD1105-01**			Prepared & Analyzed: 05/04/07						
tert-Amyl methyl ether	10.7	0.50	ug/l	10.0	ND	107	65-135	3	25	
Benzene	10.4	0.50	"	10.0	ND	104	75-120	1	20	
tert-Butyl alcohol	203	20	"	200	4.9	99	60-135	1	25	
Di-isopropyl ether	10.6	0.50	"	10.0	ND	106	70-130	3	25	
1,2-Dibromoethane (EDB)	11.2	0.50	"	10.0	ND	112	80-135	2	30	
1,2-Dichloroethane	10.5	0.50	"	10.0	0.30	102	70-125	5	25	
Ethanol	225	300	"	200	ND	112	15-150	0.4	25	
Ethyl tert-butyl ether	10.4	0.50	"	10.0	ND	104	65-130	4	25	
Ethylbenzene	10.6	0.50	"	10.0	ND	106	75-120	2	20	
Methyl tert-butyl ether	36.9	0.50	"	10.0	26	109	50-140	1	25	
Toluene	10.7	0.50	"	10.0	ND	107	75-120	2	25	
Xylenes (total)	32.0	0.50	"	30.0	ND	107	75-120	2	20	
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-125*			
Surrogate: Toluene-d8	*2.44*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*60-135*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E07004 - EPA 5030B P/T / EPA 8260B										
Blank (7E07004-BLK1)				Prepared & Analyzed: 05/07/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.53*		"	*2.50*		*101*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.33*		"	*2.50*		*93*	*60-125*			
Surrogate: Toluene-d8	*2.39*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.35*		"	*2.50*		*94*	*60-135*			
Laboratory Control Sample (7E07004-BS1)				Prepared & Analyzed: 05/07/07						
tert-Amyl methyl ether	9.95	0.50	ug/l	10.0		100	65-135			
Benzene	10.3	0.50	"	10.0		103	75-120			
tert-Butyl alcohol	196	20	"	200		98	60-135			
Di-isopropyl ether	10.5	0.50	"	10.0		105	70-130			
1,2-Dibromoethane (EDB)	9.94	0.50	"	10.0		99	80-135			
1,2-Dichloroethane	10.3	0.50	"	10.0		103	70-125			
Ethanol	201	300	"	200		100	15-150			
Ethyl tert-butyl ether	9.75	0.50	"	10.0		98	65-130			
Ethylbenzene	11.9	0.50	"	10.0		119	75-120			
Methyl tert-butyl ether	9.61	0.50	"	10.0		96	50-140			
Toluene	11.0	0.50	"	10.0		110	75-120			
Xylenes (total)	34.7	0.50	"	30.0		116	75-120			
Surrogate: Dibromofluoromethane	*2.31*		"	*2.50*		*92*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.23*		"	*2.50*		*89*	*60-125*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.61*		"	*2.50*		*104*	*60-135*			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E07004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7E07004-MS1)	**Source: MQE0167-03**			Prepared & Analyzed: 05/07/07						
tert-Amyl methyl ether	9.17	0.50	ug/l	10.0	ND	92	65-135			
Benzene	10.5	0.50	"	10.0	ND	105	75-120			
tert-Butyl alcohol	204	20	"	200	ND	102	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0	ND	103	70-130			
1,2-Dibromoethane (EDB)	9.56	0.50	"	10.0	ND	96	80-135			
1,2-Dichloroethane	10.3	0.50	"	10.0	ND	103	70-125			
Ethanol	223	300	"	200	100000000	0	15-150			
Ethyl tert-butyl ether	10.1	0.50	"	10.0	ND	101	65-130			
Ethylbenzene	11.0	0.50	"	10.0	ND	110	75-120			
Methyl tert-butyl ether	9.49	0.50	"	10.0	ND	95	50-140			
Toluene	11.2	0.50	"	10.0	ND	112	75-120			
Xylenes (total)	32.4	0.50	"	30.0	ND	108	75-120			
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.28*		"	*2.50*		*91*	*60-125*			
Surrogate: Toluene-d8	*2.59*		"	*2.50*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*60-135*			
Matrix Spike Dup (7E07004-MSD1)	**Source: MQE0167-03**			Prepared & Analyzed: 05/07/07						
tert-Amyl methyl ether	13.0	0.50	ug/l	10.0	ND	130	65-135	35	25	
Benzene	11.3	0.50	"	10.0	ND	113	75-120	7	20	
tert-Butyl alcohol	202	20	"	200	ND	101	60-135	1	25	
Di-isopropyl ether	12.8	0.50	"	10.0	ND	128	70-130	22	25	
1,2-Dibromoethane (EDB)	13.6	0.50	"	10.0	ND	136	80-135	35	30	
1,2-Dichloroethane	12.7	0.50	"	10.0	ND	127	70-125	21	25	
Ethanol	143	300	"	200	100000000	0	15-150	44	25	
Ethyl tert-butyl ether	13.5	0.50	"	10.0	ND	135	65-130	29	25	
Ethylbenzene	11.4	0.50	"	10.0	ND	114	75-120	4	20	
Methyl tert-butyl ether	13.2	0.50	"	10.0	ND	132	50-140	33	25	
Toluene	11.5	0.50	"	10.0	ND	115	75-120	3	25	
Xylenes (total)	33.2	0.50	"	30.0	ND	111	75-120	2	20	
Surrogate: Dibromofluoromethane	*2.81*		"	*2.50*		*112*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.98*		"	*2.50*		*119*	*60-125*			
Surrogate: Toluene-d8	*2.49*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.72*		"	*2.50*		*109*	*60-135*			

TestAmerica
ANALYTICAL TESTING CORPORATION

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQE0026
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0033	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/08/07 14:23

Notes and Definitions

LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
EY	Result exceeds normal dynamic range; reported as a min. est.
BZ	Sample preserved improperly
BB	Sample > 4x spike concentration
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO 11117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117
State or Lead Regulatory Agency: Alameda County Environmental Health (ACEH)
Requested Due Date (mm/dd/yy): 5/5/07

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	BP/AR Facility No.:
Address: 885 Jarvis Drive	BP/AR Facility Address:
Morgan Hill, CA 95937	Site Lat/Long:
Lab PM: Lisa Race	California Global ID No.: T0600100201
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G07TK-0033
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 01 - ASSESSMENT
San Ramon, CA	Sub Phase/Task: 03 - ANALYTICAL COSTS
Tele/Fax: 925-275-3506	Cost Element:

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	E1117-01
Consultant/Contractor PM:	Jay Johnson
Tele/Fax:	(530) 676-6000 / (530) 676-6005
Report Type & QC Level:	Level 1 with EDF
E-mail EDD To:	shayes@stratusinc.net
Invoice to:	Atlantic Richfield Co.

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO/BTEX/Oxy*	Requested Analysis: 1,2-DCA	Requested Analysis: Ethanol	Requested Analysis: EDB	Requested Analysis: DRO	Sample Point Lat/Long and Comments
							MQE0026												*Oxy= MTBE,TAME,ETBE,DIPE,TBA
1	CPT-3-23'-27'	1631	4/26		X		01	7				X		X	X	X	X		
2	CPT-3-28'-32'	1646	4/26				02												REVISED
3	CPT-3-56'-60'	0840	4/27				03												
4	CPT-1-30'-34'	1115	4/27				04	4											
5	CPT-1-37'-41'	1140	4/27				05												
6	CPT-2-28'-32'	1400	4/27				06												
7	CPT-2-37'-41'	1409	4/27				07										Mod. Had 4/30/07		
8																			
9																			
10																			

Sampler's Name: Collin Fischer, Allan Dudding, Sarah Salcedo	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stratus	[illegible] / Stratus	4/28	8:56	[illegible] TL-SAC	4/30/07	856
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Please cc results to rmiller@broadbentinc.com

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Atlantic Richfield Company

bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO 11117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117
State or Lead Regulatory Agency: Alameda County Environmental Health (ACEH)
Requested Due Date (mm/dd/yy): 5/5/07

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	BP/AR Facility No.:	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address:	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95937	Site Lat/Long:	Cameron Park, CA 95682
Lab PM: Lisa Race	California Global ID No.: T0600100201	Consultant/Contractor Project No.: E1117-01
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G07TK-0033	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 01 - ASSESSMENT	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03 - ANALYTICAL COSTS	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element:	Invoice to: Atlantic Richfield Co.

Lab Bottle Order No: MQE0026

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO/BTEX/Oxy*	Requested Analysis: 1,2-DCA	Requested Analysis: Ethanol	Requested Analysis: EDB	Requested Analysis: DRO	Sample Point Lat/Long and Comments
1	CPT-3-23'-27'	1631	4/26		X		01	7				X		X	X				
2	CPT-3-28'-32'	1646	4/26		"		02	"				"		"	"				
3	CPT-3-56'-60'	0840	4/27		"		03	"				"		"	"				
4	CPT-1-30'-34'	1115	4/27		"		04	4				"		"	"				
5	CPT-1-37'-41'	1140	4/27		"		05	"				"		"	"				
6	CPT-2-28'-32'	1400	4/27		"		06	"				"		"	"				
7	CPT-2-37'-41'	1409	4/27		"		07	"				"		"	"				
8																			
9																			
10																			

*Oxy= MTBE,TAME,ETBE,DIPE,TBA

Sampler's Name: Collin Discher, Allan Dudding, Sarah Salcedo	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stratus	[illegible] / Stratus	4/28	8:56	[illegible] STL-SAC	4/28/07	8:56
Shipment Date:	[illegible] STL Sac	4/30		[illegible]	4/30	15:45
Shipment Method:	QA Tech	4/30	2025	Julie Ng	4/30	2025
Shipment Tracking No:						

Special Instructions: Please cc results to rmiller@broadbentinc.com

Custody Seals In Place: Yes / (No) | Temp Blank: Yes / (No) | Cooler Temp on Receipt: 5.8 °F/C | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / No

(J)

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco (1117)
REC. BY (PRINT) Julie Ng.
WORKORDER: MQE0026

DATE REC'D AT LAB: 4/30/07
TIME REC'D AT LAB: 920
DATE LOGGED IN: 5/2/07

For Regulatory Purposes?
DRINKING WATER YES (NO)
WASTE WATER YES (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: Present / (Absent)								
4. Airbill: Airbill / Sticker (Present) / Absent								
5. Airbill #: —								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time? (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper preservatives used? (Yes) / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No*)								
14. Read Temp: 5.8°C Corrected Temp: ↓ Is corrected temp 4 +/-2°C? (Yes) / No** (Acceptance range for samples requiring thermal pres.)								
**Exception (if any): METALS / DFF ON ICE or Problem COC								

Julie Ng 5/1/07 SEE COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

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: 04/17/2007 By jamesy

Permit Numbers: W2007-0527
Permits Valid from 04/25/2007 to 04/27/2007

Application Id: 1176330199729
City of Project Site: Oakland
Site Location: 7210 Bancroft Avenue Entire Site
Project Start Date: 04/25/2007
Completion Date: 04/27/2007

Applicant: Stratus Environmental Inc. - Collin Fischer **Phone:** 916-715-6115
3330 Cameron Park Drive, Suite 550, Cameron Park, CA 95682
Property Owner: c/o ScanlandKemperBard Companies SKB- **Phone:** --
Eastmont, LLC
1211 SW Fifth Ave, Ste 2600, Portland, OR 97204
Client: ** same as Property Owner **

Total Due: $200.00
Receipt Number: WR2007-0169 **Total Amount Paid:** $200.00
Payer Name : Gowri Kowtha Paid By: MC **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 12 Boreholes
Driller: Gregg In Situ Inc. - Lic #: 656407 - Method: CPT **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0527	04/17/2007	07/24/2007	12	1.50 in.	60.00 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.

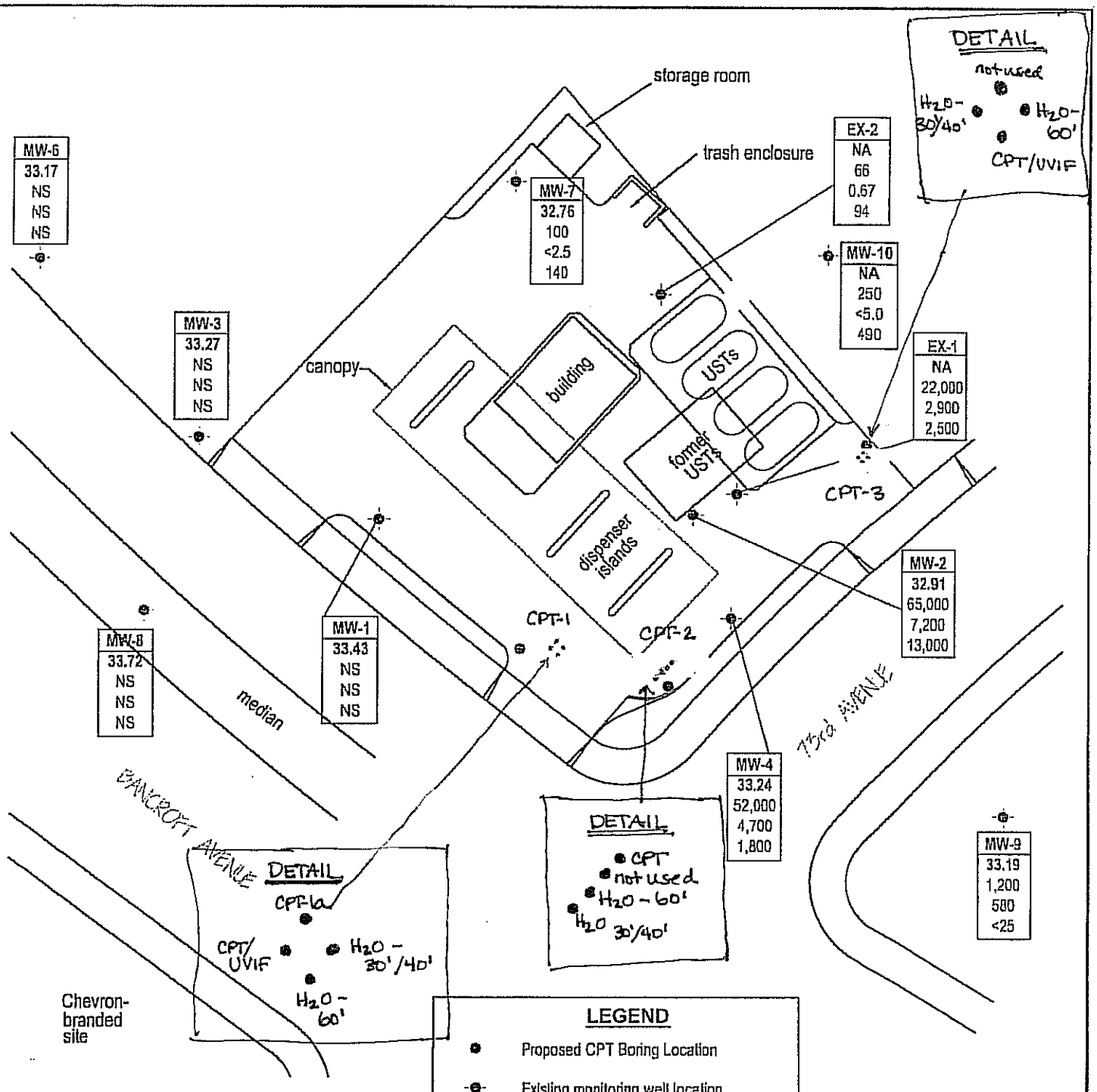
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material 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, property damage, personal injury and wrongful death.

4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@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.

6. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.



NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

Detail added by Stratus 4/26 & 27/2007 based on actual field locations. -S. Salcedo

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave, Suite 212, Chico, California 95926
Project No.: 06-08-649 Date: 10/10/06

Station #11117
7210 Bancroft Avenue
Oakland, California

Proposed Boring Locations

Figure 6

APPENDIX B

Soil Boring/Monitoring Well Construction Logs

SITE/LOCATION	BEGUN	BORING DIAMETER	ANGLE/BEARING	BORING NO
7210 Bancroft Avenue, Oakland, CA	12/27/91	8 Inches	90 Degrees	MW-1
DRILLING CONTRACTOR	COMPLETED	FIRST ENCOUNTERED WATER DEPTH		
Bayland Drilling	12/27/91	28 Feet		
OPERATOR	LOGGED BY	STATIC WATER DEPTH/DATE		
Tom Schmidt	T. Lane	29 Feet		
DRILL MAKE & MODEL	SAMPLING METHOD			BOTTOM OF BORING
CME 75	California modified split spoon			40 Feet
WELL MATERIAL	SLOT SIZE / FILTER PACK	WELL SEAL		WELL NO.
2" SCH 40 PVC	0.020" / #2/16	Neat cement over bentonite		MW-1

FIELD HEADSPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
	1					ASPHALT
	2					BASEROCK
	3					Silty CLAY (CL) dark brown, low plasticity, 20-25% silt, trace fine to coarse sand, trace pebble gravel, dry.
	4					
0.0	5					Sandy CLAY (CL) yellow-brown, low plasticity, 30-35% fine sand, trace pebble gravel, trace rootlets, moist.
	6					
	7					Gravelly SAND (SW) med. brown, well graded, medium to coarse grained, 15% sub-rounded pebble gravel, moist.
	8					
	9					Silty CLAY (CL) medium brown, low plasticity, 15-20% silt, trace medium sand, damp.
0.0	10					
	11					
	12					
	13					
	14					Sandy CLAY (CL) medium brown, low plasticity, 35-40% fine sand, trace rounded pebble gravel, wet.
0.0	15					
	16					Silty CLAY (CL) medium yellow-brown, low plasticity, 15-20% silt, trace angular pebble gravel, trace charcoal fragments, wet.
	17					
	18					
	19					
0.0	20					
	21					
	22					
	23					
	24					
0.0	25					Gravelly CLAY (CL) medium brown, low plasticity, 10-15% pebble gravel, damp.
	26					
	27					
	28		▽			
* PID (ppm)	29		▼			
	30					

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG MW-1
AND
WELL CONSTRUCTION MW-1

BP Oil Station No. 11117
7210 Bancroft Avenue
Oakland, CA

PLATE
A-2

JOB NO.
9-029

SITE/LOCATION 7210 Bancroft Avenue, Oakland, CA	BEGUN 12/27/91	BORING DIAMETER 8 Inches	ANGLE/BEARING 90 Degrees	BORING NO MW-1
DRILLING CONTRACTOR Bayland Drilling	COMPLETED 12/27/91	FIRST ENCOUNTERED WATER DEPTH 28 Feet		
OPERATOR Tom Schmidt	LOGGED BY T. Lane	STATIC WATER DEPTH/DATE 29 Feet		
DRILL MAKE & MODEL CME 75	SAMPLING METHOD California modified split spoon			BOTTOM OF BORING 40 Feet
WELL MATERIAL 2" SCH 40 PVC	SLOT SIZE 0.020"	FILTER PACK #2/16	WELL SEAL Neat cement over bentonite	WELL NO. MW-1

FIELD HEADSPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
	31					Gravelly CLAY (CL) medium brown, low plasticity, 20-30% sub-rounded coarse gravel, wet.
	32					
	33					
	34					
	35					
	36					
	37					
	38					
	39					
	40					
	41					
	42					
	43					
	44					
	45					
	46					
	47					
	48					
	49					
	50					
	51					
	52					
	53					
	54					
	55					
	56					
	57					
	58					
*PID (ppm)	59					
	60					

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG MW-1
AND
WELL CONSTRUCTION MW-1

BP Oil Station No. 11117
7210 Bancroft Avenue
Oakland, CA

PLATE
A-3

JOB NO. -
9-029

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

SITE/LOCATION: 7210 Bancroft Avenue, Oakland, CA	BEGUN: 12/27/91	BORING DIAMETER: 8 Inches	ANGLE/BEARING: 90 Degrees	BORING NO: MW-2
DRILLING CONTRACTOR: Bayland Drilling	COMPLETED: 12/27/91	FIRST ENCOUNTERED WATER DEPTH: 30 Feet		
OPERATOR: Tom Schmidt	LOGGED BY: T. Lane	STATIC WATER DEPTH/DATE: 30 Feet		
DRILL MAKE & MODEL: CME 75	SAMPLING METHOD: California modified split spoon			BOTTOM OF BORING: 40 Feet
WELL MATERIAL: 2" SCH 40 PVC	SLOT SIZE: 0.020"	FILTER PACK: #2/16	WELL SEAL: Neat cement over bentonite	WELL NO.: MW-2

FIELD HEADSPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
	1					ASPHALT
	2					BASEROCK
	3					Silty CLAY (CL) dark brown, low plasticity, 20-25% silt, trace fine to coarse sand, trace pebble gravel, dry.
	4					
0.0	5					Sandy CLAY (CL) yellow-brown, low plasticity, 30-35% fine sand, trace pebble gravel, trace rootlets, moist.
	6					
	7					Gravelly SAND (SW) med. brown, well graded, medium to coarse grained, 15% sub-rounded pebble gravel, moist.
	8					
	9					Silty CLAY (CL) medium brown, low plasticity, 15-20% silt, trace medium sand, damp.
0.0	10					
	11					
	12					
	13					
	14					Sandy CLAY (CL) medium brown, low plasticity, 35-40% fine sand, trace rounded pebble gravel, wet.
0.0	15					
	16					Silty CLAY (CL) medium yellow-brown, low plasticity, 15-20% silt, trace angular pebble gravel, trace charcoal fragments, wet.
	17					
	18					
	19					
0.0	20					
	21					Gravelly SAND (SW) medium brown, well graded coarse sand, 10-15% well rounded pebble gravel, wet.
	22					
	23					
	24					
0.0	25					Gravelly CLAY (CL) medium brown, low plasticity, 10-15% pebble gravel, damp.
	26					
	27					
	28		▽			
*PID (ppm)	29		▼			
	30					

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG MW-2
AND
WELL CONSTRUCTION MW-2

BP Oil Station No. 11117
7210 Bancroft Avenue
Oakland, CA

PLATE
A-4

JOB NO.
9-029

SITE/LOCATION 7210 Bancroft Avenue, Oakland, CA	BEGUN 12/27/91	BORING DIAMETER 8 Inches	ANGLE/BEARING 90 Degrees	BORING NO MW-2
DRILLING CONTRACTOR Bayland Drilling	COMPLETED 12/27/91	FIRST ENCOUNTERED WATER DEPTH 30 Feet		
OPERATOR Tom Schmidt	LOGGED BY T. Lane	STATIC WATER DEPTH/DATE 30 Feet		
DRILL MAKE & MODEL CME 75	SAMPLING METHOD California modified split spoon			BOTTOM OF BORING 40 Feet
WELL MATERIAL 2" SCH 40 PVC	SLOT SIZE 0.020"	FILTER PACK #2/16	WELL SEAL Neat cement over bentonite	WELL NO. MW-2

HELD HEADSPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
	31–40					Gravelly CLAY (CL) medium brown, low plasticity, 20-30% sub-rounded coarse gravel, wet.
	41–60					

*PID (ppm)

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG MW-2
AND
WELL CONSTRUCTION MW-2

BP Oil Station No. 11117
7210 Bancroft Avenue
Oakland, CA

PLATE
A-5

JOB NO.
9-029

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

HUNTER
ENVIRONMENTAL SERVICES, INC.

587 Center Avenue, Suite 350
Martinez, California 94553
415-372-3637

LOG OF BORING NO. MW-3

PAGE 1 of 2

PROJECT NO: 02-401-002

DATE: 12/6/89

CLIENT: TOPA

REF. ELEV. --

SITE LOCATION: EASTMONT MALL
OAKLAND, CA.

METHOD: HOLLOW STEM AUGER

BORING LOCATION: SEE FIG 1

HOLE DIA: 8"

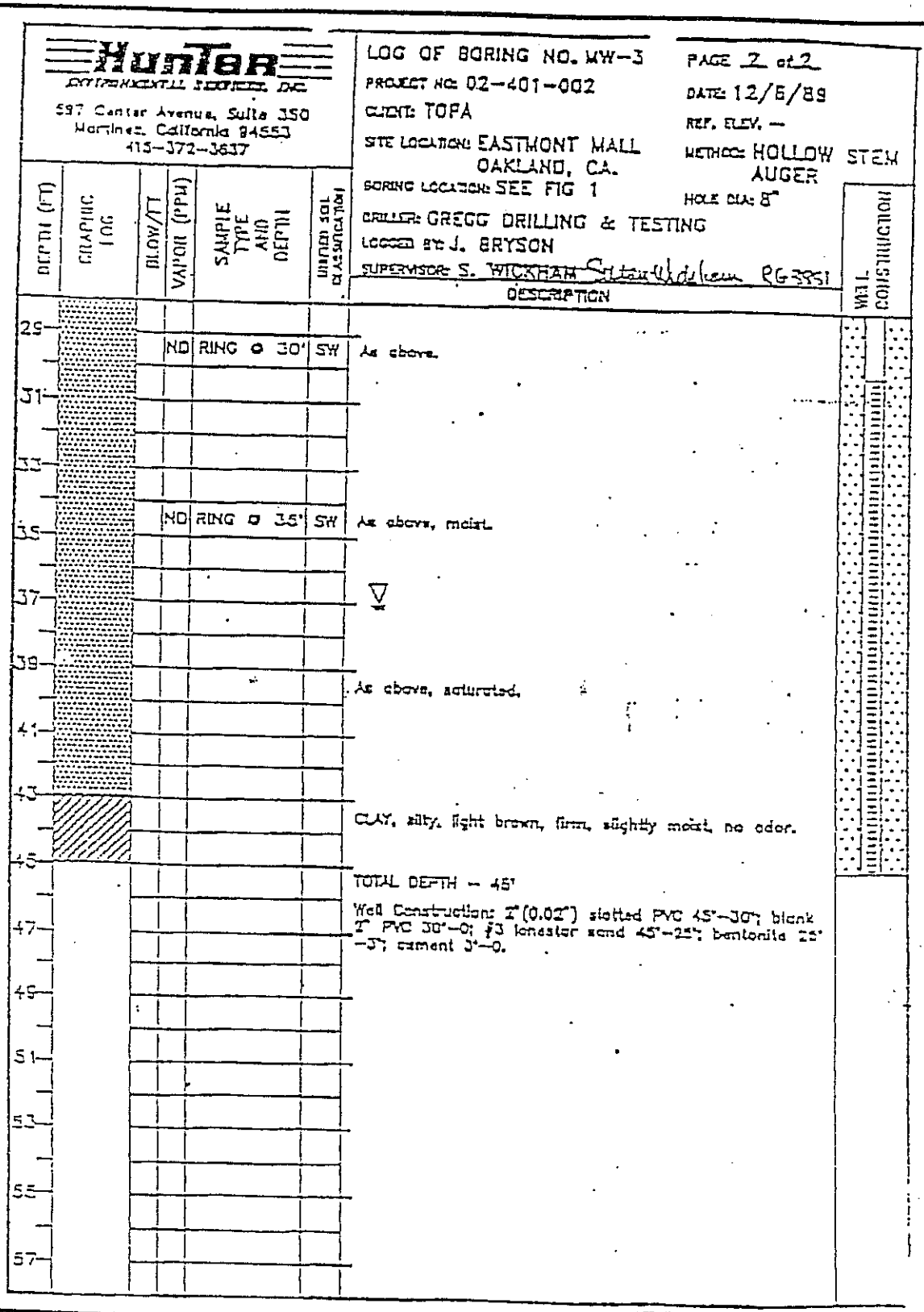
DRILLER: GREGG DRILLING & TESTING

LOGGED BY: J. BRYSON

SUPERVISOR: S. WICKHAM Susan Wickham REA I

DEPTH (FT)	GRAPHIC LOG	BLOW/FT	VAPOR (PPM)	SAMPLE TYPE AND DEPTH	UNIFIED SOIL CLASSIFICATION	DESCRIPTION	WELL CONSTRUCTION
0						3" Asphalt @ Surface	
2					CL	CLAY, black-grey, stiff, slightly moist, some silt, no odor.	
4			ND	RING @ 5'	CL	SILTY CLAY, brown, stiff, slightly moist, trace of gravel, no odor.	
6							
8							
10			ND	RING @ 10'	CL	As above, some medium sand to coarse gravel.	
12							
14			ND	RING @ 15'	SM	SILTY SAND, brown, some clay & gravel, medium to coarse grained, medium dense, slightly moist, no odor.	
16							
18							
20			ND	RING @ 20'	SM	As above.	
22							
24			ND	RING @ 25'	SW	SAND, brown with silt and small gravel, moist, medium dense, no odor.	
26							
28							

Completed By: HUNTER ENVIRONMENTAL SERVICES, INC. December 6, 1989	SOIL BORING LOG MW-3 AND WELL CONSTRUCTION MW-3 BP Oil Station No. 11117 7210 Bancroft Avenue Oakland, CA	PLATE A-6 JOB NO. 9-029



Completed By: HUNTER ENVIRONMENTAL SERVICES, INC. December 6, 1989	SOIL BORING LOG MW-3 AND WELL CONSTRUCTION MW-3 BP Oil Station No. 11117 7210 Bancroft Avenue Oakland, CA	PLATE A-7 JOB NO. 9-029

SITE/LOCATION 7210 Bancroft Avenue, Oakland, CA	BEGUN 7/22/92	BORING DIAMETER 8 Inches	ANGLE/BEARING 90 Degrees	BORING NO MW-4
DRILLING CONTRACTOR Bayland Drilling	COMPLETED 7/22/92	FIRST ENCOUNTERED WATER DEPTH 31 Feet		
OPERATOR Frank Bartolovich	LOGGED BY T. Ramirez	STATIC WATER DEPTH/DATE 32.5 Feet		
DRILL MAKE & MODEL CME 55	SAMPLING METHOD California modified split spoon			BOTTOM OF BORING 40 Feet
WELL MATERIAL 2" SCH 40 PVC	SLOT SIZE 0.020"	FILTER PACK #2/12	WELL SEAL Neat cement with 5% bentonite over hydrated pellets	WELL NO. MW-4

BLOWS/FOOT	FIELD HEAD-SPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
		1					ASPHALT
		2					BASEROCK
		3					CLAY (CL) medium brown, moderate plasticity, 5-10% medium to coarse sand, dry.
7		4					
24	462	5					Sandy CLAY (CL) light brown, low plasticity, 40% fine to medium angular sand, dry.
24		6					
		7					
		8					Sandy CLAY (CL) greenish-brown, moderate plasticity, 30% fine sub-angular to sub-rounded sand, 5-10% silt content, dry.
4		9					
12	106	10					
23		11					
		12					Sandy CLAY (CL) medium brown, low plasticity, 25-30% fine to coarse angular to sub-rounded sand, occasional gravel clast up to 5cm, dry.
		13					
13		14					
14	464	15					
22		16					
		17					
		18					
		19					Sandy CLAY (CL) interbedded light brown and dark brown layers. Dark brown sandy clay is 30% fine to medium sand, with moderate plasticity. Light brown sandy clay is 20% fine sand, 10% silt content, with low plasticity. Both are damp, with increasing moisture, clay content and plasticity with depth.
6		20					
10	442	21					
13		22					
		23					
		24					
3		25					
13	673	26					
21		27					Clayey SAND (SC) medium brown, fine to medium sub-rounded to rounded sand, 5% gravel with clasts up to 3cm, 15% clay content, moist.
		28					
	*PID	29					
	(ppm)	30					

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG MW-4
AND
WELL CONSTRUCTION MW-4

BP Oil Station No. 11117
7210 Bancroft Avenue
Oakland, CA

PLATE
A-8

JOB NO.
9-029

SITE/LOCATION 7210 Bancroft Avenue, Oakland, CA	BEGUN 7/22/92	BORING DIAMETER 8 Inches	ANGLE/BEARING 90 Degrees	BORING NO MW-4
DRILLING CONTRACTOR Bayland Drilling	COMPLETED 7/22/92	FIRST ENCOUNTERED WATER DEPTH 31 Feet		
OPERATOR Frank Bartolovich	LOGGED BY T. Ramirez	STATIC WATER DEPTH/DATE 32.5 Feet		
DRILL MAKE & MODEL CME 55	SAMPLING METHOD California modified split spoon			BOTTOM OF BORING 40 Feet
WELL MATERIAL 2" SCH 40 PVC	SLOT SIZE 0.020"	FILTER PACK #2/12	WELL SEAL Neat cement with 5% bentonite over hydrated pellets	WELL NO. MW-4

BLOWS/FOOT	FIELD HEAD-SPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
13 50/6	691	31 32 33	■	▽ ▼			Sandy CLAY (CL) medium brown, low plasticity, 30% fine to coarse, sub-angular to rounded sand, occasional gravel clast up to 2cm, moist to wet.
6 8 9		34 35 36 37 38					CLAY (CL) dark brown, high plasticity, wet. Silty SAND (SM) grey to light brown, fine to medium sand, 10% gravel up to 5cm, sub-rounded to rounded clasts, 20% silt content, saturated.
3 6 8		39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60					CLAY (CL) med. brown, moderate plasticity, approx. 5% rounded medium sand, wet.

*PID (ppm)

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG MW-4
AND
WELL CONSTRUCTION MW-4

BP Oil Station No. 11117
7210 Bancroft Avenue
Oakland, CA

PLATE
A-9

JOB NO.
9-029

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

SITE/LOCATION 7210 Bancroft Avenue, Oakland, CA	BEGUN 7/23/92	BORING DIAMETER 8 Inches	ANGLE/BEARING 90 Degrees	BORING NO MW-6
DRILLING CONTRACTOR Bayland Drilling	COMPLETED 7/23/92	FIRST ENCOUNTERED WATER DEPTH 31.5 Feet		
OPERATOR Kurt Voss	LOGGED BY T. Ramirez	STATIC WATER DEPTH/DATE 31.5 Feet		
DRILL MAKE & MODEL CME 75	SAMPLING METHOD California modified split spoon			BOTTOM OF BORING 40 Feet
WELL MATERIAL 2" SCH 40 PVC	SLOT SIZE 0.020"	FILTER PACK #2/12	WELL SEAL Neat cement with 5% bentonite over hydrated pellets	WELL NO. MW-6

BLOWS/FOOT	FIELD HEAD-SPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
	*PID (ppm)	1					ASPHALT
		2					CLAY (CL) dark brown, high plasticity, 10% sub-angular to sub-rounded fine to medium sand, moist.
4		3					
6		4					Sandy CLAY (CL) dark brown, high plasticity, 25% fine to coarse sand with occasional gravel clasts up to 3cm, dry.
9	0.0	5					
		6					CLAY (CL) light brown, moderate plasticity, 5-10% fine sand, dry. .
		7					
		8					
6		9					
9							
15	0.0	10					Sandy CLAY (SC) dark brown, high plasticity, 20% fine to coarse angular to sub-rounded sand, occasional gravel clasts up to 4cm, dry.
		11					
		12					
		13					
5		14					
12							
16	0.0	15					Sandy CLAY (CL) yellow brown, moderate plasticity, 20% fine to medium sand, 10% silt content, occasional gravel clasts up to 8cm, dry.
		16					
		17					
		18					
8		19					
12							
15	0.0	20					Sandy CLAY (CL) light brown, moderate plasticity, 40% fine to coarse sand, occasional angular to sub-rounded gravel clasts up to 10 cm, moist.
		21					
		22					
		23					Sandy CLAY (CL) same as above except only 25% sand content.
10		24					
13							
16	0.0	25					
		26					
		27					
		28					Gravelly CLAY (CL) medium brown, 25% angular to sub-rounded gravel clasts up to 5cm, 20% fine to coarse sand, decrease gravel and sand content with depth, moist.
9							
16		29					
20	0.0	30					

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG MW-6
AND
WELL CONSTRUCTION MW-6

BP Oil Station No. 11117
7210 Bancroft Avenue
Oakland, CA

PLATE
A-12

JOB NO.
9-029

SITE/LOCATION 7210 Bancroft Avenue, Oakland, CA	BEGUN 7/23/92	BORING DIAMETER 8 Inches	ANGLE/BEARING 90 Degrees	BORING NO MW-6
DRILLING CONTRACTOR Bayland Drilling	COMPLETED 7/23/92	FIRST ENCOUNTERED WATER DEPTH 31.5 Feet		
OPERATOR Kurt Voss	LOGGED BY T. Ramirez	STATIC WATER DEPTH/DATE 31.5 Feet		
DRILL MAKE & MODEL CME 75	SAMPLING METHOD California modified split spoon			BOTTOM OF BORING 40 Feet
WELL MATERIAL 2" SCH 40 PVC	SLOT SIZE 0.020"	FILTER PACK #2/12	WELL SEAL Neat cement with 5% bentonite over hydrated pellets	WELL NO. MW-6

BLOWS/FOOT	FIELD HEAD-SPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
		31					
		32		▼			Silty CLAY (CL) yellow-brown, 30% silt content, 10% sub-angular to sub-rounded gravel clasts up to 10cm, approx. 5% medium to coarse sand, increase sand content with depth, wet.
4		33					
12		34					
20		35					
		36					
		37					Sandy GRAVEL (GP) light brown, gravel clasts up to 7cm, 30% fine to coarse sand, 10% silt content, saturated.
5		38					
9		39					Silty SAND (SM) light grey, fine to medium sand with <5% coarse sand, 35% silt content, saturated.
15		40					
		41					
		42					
		43					
		44					
		45					
		46					
		47					
		48					
		49					
		50					
		51					
		52					
		53					
		54					
		55					
		56					
		57					
		58					
	*PID (ppm)	59					
		60					

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG MW-6
AND
WELL CONSTRUCTION MW-6

BP Oil Station No. 11117
7210 Bancroft Avenue
Oakland, CA

PLATE
A-13

JOB NO.
9-029

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

SITE/LOCATION: BP/7210 Bancroft Ave, Oakland	GUN: 10/6/94	BORING DIAMETER: 8"	ANGLE: 90	RING	BORING NO: MW-7
DRILLING CONTRACTOR: West Hazmat Drilling Corp.	COMPLETED: 10/6/94	FIRST ENCOUNTERED WATER DEPTH: 31.0' damp			BOTTOM OF BORING: 45.0'
MAKE & MODEL: Mobile B-57	OPERATOR: Eugene Nunes	LOGGED BY: F. Maroni	STATIC WATER DEPTH/DATE: 43.67' 10/10/94		WELL NO.: MW-7
WELL MATERIAL: PVC Sch 40	SLOT SIZE: 0.020"	SAMPLING METHOD: CA Modified Split Spoon			BOTTOM OF WELL: 45.0'
FILTER PACK: #3 Monterey Sand	WELL SEAL: Bentonite				PLANNED USE: Monitoring

BLOWS/FOOT	PID FIELD HEADSPACE (ppm)	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
		1–4					3" Asphalt over baserock; Gravel (GP) with some reddish brown clay.
		3–4					Silty CLAY (CL); very dark brown, stiff, dry.
88	0.0	5–9					Sandy CLAY (CL); yellow brown, very stiff; trace very fine grained sand, dry.
65	0.0	10–13					Sandy CLAY (CL); reddish brown, iron oxide deposits, black streaks like coal, well graded coarse grained, subangular to angular sand; few gravel, dry.
		13–14					Clayey SAND (SC); brown, well graded coarse sand, some subangular to angular gravel, some fine-grained sand, moist.
90	0.0	15–19					Gravelly CLAY (CL); brown, iron oxide deposits, some coarse gravel, few coarse sand.
57	0.0	20–24					Sandy CLAY (CL); brown, medium stiff, well graded coarse sand, some angular to subangular gravel, dry.
50 w/ 5" rec.	0.0	25–26					Encountered rock/gravel (GP) at 25.5 feet. Drilled out to 26.5 ft.
50 w/ 10" rec.		MW-7-25' 27–30					Sandy CLAY (CL); brown, stiff, well graded, subangular to angular, coarse grained sand; some fine grained angular gravel; few fine grained sand.

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE: 11/2/94

APPROVED BY: SP

SOIL BORING LOG AND WELL CONSTRUCTION DIAGRAM

MW-7

PLATE C-1

SHEET 1 OF 2

JOB NO. 9-029

SITE/LOCATION BP/7210 Bancroft Ave, Oakland		RUN 10/6/94	BORING DIAMETER 8"	ANGLE/B NG 90°	BORING NO MW-7
DRILLING CONTRACTOR Hazmat Drilling Corp.		COMPLETED 10/6/94	FIRST ENCOUNTERED WATER DEPTH 31.0' damp		BOTTOM OF BORING 45.0'
RIG MAKE & MODEL Mobile B-57	OPERATOR Eugene Nunes	LOGGED BY F. Maroni	STATIC WATER DEPTH/DATE 43.67' 10/10/94		WELL NO. MW-7
WELL MATERIAL PVC Sch 40	SLOT SIZE 0.020"	SAMPLING METHOD CA Modified Split Spoon			BOTTOM OF WELL 45.0'
FILTER PACK #3 Monterey Sand	WELL SEAL Bentonite				PLANNED USE Monitoring

BLOWS/ FOOT	PID FIELD HEADSPACE (ppm)	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
		31					Sandy CLAY (CL); brown, stiff, medium to coarse grained, subangular to subrounded sand; some fine grained to coarse grained, angular to subangular gravel, damp.
		32					
		33					
		34					
50 w/ 6" rec.	0.0	35					CLAY (CL); yellowish brown, very stiff, damp.
		36					
		37					
		38					
		39					
85 w/ 8" rec.	0.0	40					Silty CLAY (CL); yellowish orange, very stiff, moist.
		41					
		42					Gravelly CLAY (CL); yellowish brown, fine to coarse grained angular gravel; some medium to coarse grained sand, moist.
		43		▼			
		44					
82		45					CLAY (CL); yellowish brown, trace fine grained sand.
							T.D. = 45.0"

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE: 11/3/94

APPROVED BY: GP

SOIL BORING LOG AND WELL CONSTRUCTION DIAGRAM

MW-7

PLATE C-1

SHEET 2 OF 2

JOB NO. 9-029

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

SITE/LOCATION: BP/7210 Bancroft Ave, Oakland	BEGUN: 10/6/94	BORING DIAMETER: 8"	ANGLE BORING: 90°	BORING NO: MW-8
DRILLING CONTRACTOR: West Hazmat Drilling Corp.	COMPLETED: 10/6/94	FIRST ENCOUNTERED WATER DEPTH: 32.0'		BOTTOM OF BORING: 40.0'
DRILL MAKE & MODEL: Mobile B-57	OPERATOR: Eugene Nunes	LOGGED BY: F. Maroni	STATIC WATER DEPTH/DATE: 28.51' 10/10/94	WELL NO.: MW-8
WELL MATERIAL: PVC Sch 40	SLOT SIZE: 0.020"	SAMPLING METHOD: CA Modified Split Spoon		BOTTOM OF WELL: 40.0'
FILTER PACK: #3 Monterey Sand	WELL SEAL: Bentonite			PLANNED USE: Monitoring

BLOWS/FOOT	PID FIELD HEADSPACE (ppm)	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
		1					Sandy topsoil (OL/OH); brown.
		2					Silty CLAY (CL); dark gray, very stiff, dry.
		3					
		4					
		5					
		6					Silty CLAY (CL); light brown, stiff; trace fine grained sand, dry.
		7					
		8					
		9					
90	0.0	10					Sandy CLAY (CL); light brown; some fine to coarse grained sand, some fine-grained, angular to subangular gravel, trace coarse grained gravel; trace silt, dry.
		11					
		12					
		13					
		14					
50 w/ 6" rec.	0.0	15					Gravely CLAY (CL); light brown; some fine to coarse grained, well graded, subangular to subrounded gravel, some well graded, medium grained sand, moist.
		16					
		17					
		18					
		19					
80	0.0	20					Sandy CLAY (CL); light brown, some fine-grained sand, moist.
		21					
		22					
		23					
		24					
50 w/ 6" rec.	0.0	MW-8-25' 25					Sandy GRAVEL (GW); fine to coarse grained, well graded gravel; some fine to coarse grained, well-graded sand; trace clay, moist to wet.
		26					
		27					
		28		▼			
		29					
		30					

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE: 11/3/94

APPROVED BY: GP

SOIL BORING LOG AND WELL CONSTRUCTION DIAGRAM

MW-8

PLATE C-1

SHEET 1 OF 2

JOB NO. 9-029

SITE/LOCATION BP/7210 Bancroft Ave		BEGUN 10/6/94	BORING DIAMETER 8"	ANG[illegible]EARING 90°	BORING NO MW-8
DRILLING CONTRACTOR West Hazmat Drilling Corp.		COMPLETED 10/6/94	FIRST ENCOUNTERED WATER DEPTH 32.0'		BOTTOM OF BORING 40.0'
RILL MAKE & MODEL Mobile B-57	OPERATOR Eugene Nunes	LOGGED BY F. Maroni	STATIC WATER DEPTH/DATE 28.51' 10/10/94		WELL NO. MW-8
WELL MATERIAL PVC Sch 40	SLOT SIZE 0.020"	SAMPLING METHOD CA Modified Split Spoon			BOTTOM OF WELL 40.0'
FILTER PACK #3 Monterey Sand	WELL SEAL Bentonite				PLANNED USE Monitoring

BLOWS/FOOT	PID FIELD HEADSPACE (ppm)	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
		31		▽			As above.
35 w/ 6" rec.		32 33 34 35 36 37 38 39					Clayey SAND (SC); brown, medium grained, well-graded sand; some clay; few fine grained, subrounded gravel, wet.
40 w/ 6" rec.		40					As above.
							T.D. = 40.0'

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE: 11/3/94

APPROVED BY: CP

SOIL BORING LOG AND WELL CONSTRUCTION DIAGRAM

MW-8

PLATE C-1

SHEET 2 OF 2

JOB NO. 9-029

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

SITE/LOCATION BP/7210 Bancroft Ave, Oakland	RUN 10/6/94	BORING DIAMETER 8"	ANGLE/B NG 90°	BORING NO MW-9
DRILLING CONTRACTOR W Hazmat Drilling Corp.	COMPLETED 10/6/94	FIRST ENCOUNTERED WATER DEPTH 27.5'		BOTTOM OF BORING 40.0'
DR AKE & MODEL Mobile B-57	OPERATOR Eugene Nunes	LOGGED BY F. Maroni	STATIC WATER DEPTH/DATE 28.45' 10/10/94	WELL NO. MW-9
WELL MATERIAL PVC Sch 40	SLOT SIZE 0.020"	SAMPLING METHOD CA Modified Split Spoon		BOTTOM OF WELL 40.0'
FILTER PACK #3 Monterey Sand	WELL SEAL Bentonite			PLANNED USE Monitoring

BLOWS/FOOT	PID FIELD HEADSPACE (ppm)	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
		1–9					Backfill; GRAVEL (GP); cobble-sized.
		4–9					CLAY (CL); reddish brown, stiff, dry.
80	0.0	10–14					CLAY (CL); light brown, hard, trace fine grained sand, dry.
90	0.0	15–19					Silty CLAY (CL); light brown, hard, dry.
80	0.0	20–24					As above, moist.
70	0.0	MW-9-25' 25–30		▽ 27 ▼			Clayey SAND (SC); brown; fine to medium grained, well graded, rounded to subrounded, moist.

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE: 11/2/94

APPROVED BY: CP

SOIL BORING LOG AND WELL CONSTRUCTION DIAGRAM

MW-9

PLATE C-1

SHEET 1 OF 2

JOB NO. 9-029

SITE/LOCATION	BEGUN	BORING DIAMETER	ANGLE BORING	BORING NO
BP/7210 Bancroft Ave, Oakland	10/6/94	8"	90	MW-9
DRILLING CONTRACTOR	**COMPLETED**	**FIRST ENCOUNTERED WATER DEPTH**		**BOTTOM OF BORING**
West Hazmat Drilling Corp.	10/6/94	27.5'		40.0'
DRILLING METHOD & MODEL	**OPERATOR**	**LOGGED BY**	**STATIC WATER DEPTH/DATE**	**WELL NO.**
Mobile B-57	Eugene Nunes	F. Maroni	28.45' 10/10/94	MW-9
WELL MATERIAL	**SLOT SIZE**	**SAMPLING METHOD**		**BOTTOM OF WELL**
PVC Sch 40	0.020"	CA Modified Split Spoon		40.0'
FILTER PACK	**WELL SEAL**			**PLANNED USE**
#3 Monterey Sand	Bentonite			Monitoring

BLOWS/FOOT	PID FIELD HEADSPACE (ppm)	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
		31					Clayey SAND (SC); brown, fine-grained, well-graded, subrounded to rounded sand; few fine to coarse grained, angular to subrounded gravel, wet.
		32					
		33					
		34					Gravelly CLAY (CL); brown, fine grained, well graded, subangular to subrounded gravel; some fine grained sand, wet.
70		35					
		36					
		37					
		38					
		39					As above.
		40					T.D. = 40.0'

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.

DATE: 11/2/94

APPROVED BY: CP

SOIL BORING LOG AND WELL CONSTRUCTION DIAGRAM

MW-9

PLATE C-1

SHEET 2 OF 2

JOB NO. 9-029

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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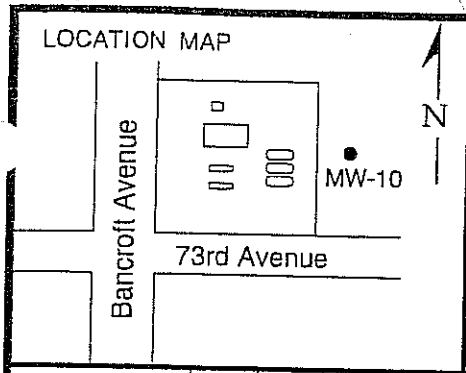

PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-10
PAGE 1 OF 1

PROJECT NO. 360-016.1A
LOGGED BY: T.B.
DRILLER: MITCHELL
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: SCH 40 PVC
SLOT SIZE: 0.020
GRAVEL PACK: #8 SAND

CLIENT: BP OIL COMPANY
DATE DRILLED: 7-7-97
LOCATION: 7210 Bancroft Ave., Oakland
HOLE DIAMETER: 8"
HOLE DEPTH: 37.5'
WELL DIAMETER: 2"
WELL DEPTH: 35'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT				2			GP	ASPHALT SANDY GRAVEL
				4			CL	SANDY CLAY: dark brown; medium plasticity; 75% fines; 25% fine to medium sand; no product odor.
	Dry	0	>72	6				
				8			ML	SANDY SILT: strong brown; 75% fines; 24% fine sand; 1% gravel; no product odor.
		0	47	10				
				12				
				14			GP	SANDY GRAVEL: no recovery except 2 coarse gravel - r x fragments.
BENTONITE			>63	16				
				18				
			50	20				@20': no recovery.
SAND				22				
				24				
	Wt	80	>63	26				@25': brown; 15% fines; 20% fine sand; 65% gravel; no product odor.
		off-		28				
	Wt	scale	38	30				@30': gray; 10% fines; 30% sand; 60% gravel.
				32			ML	SANDY SILT: brown; no product odor.
				34				
	Mst	22	24	36				@35': brown; 75% fines; 20% fine sand; 5% gravel; no product odor.
				38				
				40				BOTTOM OF BORING 37.5'
				42				
				44				

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	BP Oil Company	BORING/WELL NAME	EX-1
JOB/SITE NAME	BP-11117	DRILLING STARTED	30-Nov-99
LOCATION	7210 Bancroft Avenue, Oakland, California	DRILLING COMPLETED	30-Nov-99
PROJECT NUMBER	852-1546	WELL DEVELOPMENT DATE (YIELD)	30-Nov-99
DRILLER	V&W Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	10"	SCREENED INTERVAL	18 to 38 ft bgs
LOGGED BY	J. Jones	DEPTH TO WATER (First Encountered)	26.0 ft (30-Nov-99)
REVIEWED BY	K. Rahman, RG	DEPTH TO WATER (Static)	20.55 ft (30-Nov-99)
REMARKS	Hand augered to 5' bgs; located 5' from well MW-2.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT.		
							Silty GRAVEL; (FILL); light brown; dry; 5% clay, 35% silt, 20% sand, 40% gravel; low plasticity; moderate to high estimated permeability.	1.0	
	4 7 7	EX-1@6'		5			@ 5' - medium dense.		Portland Type I/II
							SAND; (SW); tan; loose; moist; 10% silt, 85% medium grained sand, 5% gravel; high estimated permeability.		
	4 4 5	EX-1@11'		10					4" diam., Schedule 40 PVC
							Sandy Silty GRAVEL; (GM); brown; dense; moist; 5% clay, 35% silt, 15% medium grained sand, 45% angular gravel up to 2"; high estimated permeability.	13.0	
<1.0	20 50	EX-1@15.5'		15	GM				Bentonite Seal
									Lonestar Sand #2/12
	14 17 20	EX-1@21'		20			@ 20' - olive brown; damp; 10% medium grained sand, 50% angular gravel up to 0.5".		
<1.0							Gravelly Silty SAND; (SM); brown; dense; wet; 5% clay, 35% silt, 40% coarse grained sand, 20% gravel; high estimated permeability.	23.0	
	20 50	EX-1@25.5'		25	SM				
							Sandy Silty GRAVEL; (GM); olive; dense; wet; 20% silt, 35% sand, 45% gravel; high estimated permeability.	28.0	4"-diam., 0.010" Slotted Schedule 40 PVC
	20 50	EX-1@30.5'		30	GM				
							Sandy Silty CLAY; (CL); see next page.	33.0	
				35					

11117--1\GINT\BP-11117.GPJ DEFAULT GDT 4/24/00

WELL LOG (TPH-G) H:\BR

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	BP Oil Company	**BORING/WELL NAME**	EX-1
JOB/SITE NAME	BP-11117	**DRILLING STARTED**	30-Nov-99
LOCATION	7210 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	30-Nov-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
	17 23 33	EX-1@36'			CL		Sandy Silty CLAY: (CL); brown mottled with black; hard; damp; 45% clay, 35% silt, 20% very fine grained sand; low plasticity; low estimated permeability.		
	12 50/6	EX-1@39'						39.5	Bottom of Boring @ 39.5 ft

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1144 - 65th St.
Oakland, CA 94608
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Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	BP Oil Company	BORING/WELL NAME	EX-2
JOB/SITE NAME	BP-11117	DRILLING STARTED	30-Nov-99
LOCATION	7210 Bancroft Avenue, Oakland, California	DRILLING COMPLETED	30-Nov-99
PROJECT NUMBER	852-1546	WELL DEVELOPMENT DATE (YIELD)	30-Nov-99
DRILLER	V&W Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	NA
BORING DIAMETER	10"	SCREENED INTERVAL	15 to 35 ft bgs
LOGGED BY	J. Jones	DEPTH TO WATER (First Encountered)	26.0 ft (30-Nov-99)
REVIEWED BY	K. Rahman, RG	DEPTH TO WATER (Static)	22.64 ft (30-Nov-99)

REMARKS: Hand augered to 5' bgs; located between trash enclosure and UST slab.

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
							ASPHALT.	
							Silty Sandy GRAVEL; (FILL); brown; dry; 5% clay, 15% silt, 20% sand, 50% gravel; high estimated permeability.	1.0
	10 12 14	EX-2@6'		5	ML		Sandy SILT; (ML); orange brown; very stiff; dry; 5% clay, 55% silt, 30% sand, 10% gravel; low plasticity; moderate estimated permeability.	4.0
							Sandy Silty GRAVEL; (GM); brown; dense; dry; 5% clay, 20% silt, 25% sand, 50% gravel; high estimated permeability.	8.0
<1.0	13 15 18	EX-2@11'		10	GM			
	20 50	EX-2@15.5'		15				
							Silty SAND; (SM); brown; dense; damp; 25% silt, 70% medium grained sand, 5% gravel; high estimated permeability.	18.0
<1.0	26 55	EX-2@20.5'		20	SM			
							Silty Sandy GRAVEL; (GP); brown; dense; wet; 15% silt, 20% medium to coarse grained sand, 65% gravel; high estimated permeability.	23.0
	18 26 30	EX-2@26'		25	GP			
	10 13 26	EX-2@31'		30				
							Sandy Silty CLAY; (CL); light brown; hard; damp; 45% clay, 35% silt, 20% very fine grained sand; low plasticity; low estimated permeability.	30.5
					CL			
				35				

WELL DIAGRAM

- Portland Type I/II
- 4" diam., Schedule 40 PVC
- Bentonite Seal
- Lonestar Sand #2/12
- 4"-diam., 0.010" Slotted Schedule 40 PVC

11117--\GINT\BP-11117.GPJ DEFAULT.GDT 4/24/00

WELL LOG (TPH-G) H:\BR\

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BORING/WELL LOG

CLIENT NAME	BP Oil Company	**BORING/WELL NAME**	EX-2
JOB/SITE NAME	BP-11117	**DRILLING STARTED**	30-Nov-99
LOCATION	7210 Bancroft Avenue, Oakland, California	**DRILLING COMPLETED**	30-Nov-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
	10 13 32	EX-2@36'						36.5	Bottom of Boring @ 36.5 ft

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1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-1

Total Depth: 46.5 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site# 11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.25" Simco Augers
Geologist: Andrew Fowler	**Sampling Method:** Split spoon, every 5'
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/27/05

BORING INFORMATION

Groundwater Depth: 22.6 feet bgs.	**Boring Location:** Adjacent to north west enrtance on Bancroft Ave.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.25"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT	GP				
2		CLAYEY SANDY GRAVEL: Very dark grayish brown (10YR 3/2), dense, dry, 40% angular gravel, 30% fine - coarse angular sand, 20% clay, 10% silt.	CL				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
		SILTY CLAY: Very dark grayish brown (10YR 3/2), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity, no odor.					
4		SILTY SANDY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 50% clay, 30% fine - medium angular sand, 20% silt, minor angular gravel up to 1 cm diameter, no odor.					
6				0	07:45 A-1 @ 6 - 6.5		Top 5' logged from hand auger / airknife cuttings.
8							
10		SILTY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 70% clay, 25%silt, 5% medium sand, no odor.		1	07:50 A-1 @ 11 - 11.5		
12							
14		CLAYEY SAND: Grayish brown (10YR 5/2), medium dense, dry, 70% fine sand, 30% clay, no odor.	SM				
16		@15.5' silt content increases 65% fine - medium sand, 25% clay, 10% silt		0	07:52 A-1 @ 16 - 16.5		
18							
20				0	07:58 A-1 @ 21 - 21.5		
22		CLAYEY GRAVEL: Yellowish brown(10YR 5/4), dense, moist, 65% angular medium gravel up to 1 cm diameter, 20% clay, 15% angular medium sand, no odor.	GM		08:00 A-1 @ 22.6'		▼

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LOG OF BORING

Borehole ID: A-1

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24							
26		@25' becomes wet.		1	grab water sample 08:05 A-1 @ 25.5 - 26		
28							
30		GRAVELLY SAND: Gray (5Y 5/1), loose, wet, 70% fine -coarse rounded sand, 30% subrounded gravel up to 1.5cm diameter, no odor.	SM	2	08:15 A-1 @ 30.5 - 31		
32							
34							
36				2	08:205 A-1 @ 35.5 - 36		
38							Hydropunch driven from 32' to 34 in separate hole, 3 feet from A-1. After 1 hour, no water was availible for sampling.
40		SANDY GRAVEL: Dark gray (5Y 4/1), loose, wet, 65% fine angular gravel up to 30 mm diameter, 20% fine - coarse sand, 15% silt, no odor.	GM	116	08:25 A-1 @ 39 - 39.5		
42							
44					08:43 A-1 @ 46 - 46.5		
46		CLAYEY SILT: Light olive brown (2.5Y 5/4), soft, wet, 60% silt, 40% clay, medium plasticity, no odor.	ML	22			

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LOG OF BORING

Borehole ID: A-2

Total Depth: 42 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site # 11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 2" Direct Push
Geologist: Andrew Fowler	**Sampling Method:** Continuous Core
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/27/05

BORING INFORMATION	
Groundwater Depth: 21.3 feet bgs.	**Boring Location:** Adjacent to south west enrtance on Bancroft Ave.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 2"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
2		CLAYEY SANDY GRAVEL: Very dark gray (10YR 3/1), dense, dry, 40% angular gravel, 30% fine - coarse angular sand, 20% clay, 10% silt. Hydrocarbon staining @1.5' @2 -2.5' Angular cobbles up to 10cm.	GP				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
4		SILTY CLAY: Very dark gray (10YR 3/1), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity, slight hydrocarbon odor.	CL				
6		SILTY SANDY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 50% clay, 30% fine - medium angular sand, 20% silt, minor angular gravel up to 1cm diameter, no odor.		1.5	10:35 A-2 @ 5 - 5.5		Top 5' logged from hand auger / airknife cuttings.
8							
10		CLAYEY SILT: Brown (10YR 4/3), very stiff, dry, 70% silt, 30% clay, no odor.	ML	2	10:40 A-2 @10 - 10.5		
12		NO RECOVERY					
14		CLAYEY GRAVEL: Olive brown (10YR 4/3), medium dense, dry, 60% subrounded gravel up to 30 mm diameter, 20% coarse angular sand, 20% clay, slight hydrocarbon odor.	GM				
16		CLAYEY SILT: Dark greenish gray (Gley1 4/10Y), soft, dry, 65% silt, 30% clay, 5% fine sand, medium plasticity, slight hydrocarbon odor.	ML	2.5	10:45 A-2 @ 15 - 15.5		
18					10:46 A-2 @ 19.5 - 20		
20		CLAYEY GRAVEL: Very dark greenish gray (Gley2 3/10G), dense, dry, 70% rounded gravel, 30% clay, minor fine sand, strong hydrocarbon odor.	GM	9	11:22 A-2 @ 21.3' grab water sample		▼
22							

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LOG OF BORING

Borehole ID: A-2

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24							
26				209	11:00 A-2 @ 25 - 25.5		
28		@27' 1" layer of red, well indurated sandstone					
30		@30' gravel clasts become angular		40	11:15 A-2 @ 30 - 30.5		
32		SAND: Dark greenish gray (Gley 1 3/10Y), loose, wet, 100% medium - coarse well rounded sand, minor clay, strong hydrocarbon odor.	SP				▽
34				259	11:20 A-2 @33.5 - 34		Hydropunch driven from 40' to 42' in separate hole, 3 feet from A-2. Sample collected (A-2 @40-42'). Strong resistance encountered from 32' to 42'
36		NO RECOVERY: Refusal @ 38.5'					
38							
40					12:35 A-2 @ 40 - 42 grab water sample		▼
42							

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LOG OF BORING

Borehole ID: A-3
Total Depth: 36 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site # 11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 2" Direct Push
Geologist: Andrew Fowler	**Sampling Method:** Continuous Core
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/27/05

BORING INFORMATION	
Groundwater Depth: 19.24 feet bgs.	**Boring Location:** South corner of property
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 2"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
2		CLAYEY SANDY GRAVEL: Very dark gray (10YR 3/1), dense, dry, 40% angular gravel, 30% fine - coarse angular sand, 20% clay, 10% silt, no odor.	GP				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
		SILTY CLAY: Very dark gray (10YR 3/1), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity, slight hydrocarbon odor.	CL				
4		SILTY SANDY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 50% clay, 30% fine - medium angular sand, 20% silt, minor angular gravel up to 10 mm diameter, no odor.					
6				2	13:05 A-3 @ 5 - 5.5		Top 5' logged from hand auger / airknife cuttings.
8		NO RECOVERY					
10							
12		CLAYEY SILT: Olive gray (5Y 4/2)stiff, dry, 60% silt, 35% clay, no odor.	ML				
14							
				3	13:15 A-3 @ 14.5 - 15		
16		CLAYEY GRAVEL: Dark greenish gray (Gley1 4/10GY), medium dense, dry, 60% angular medium gravel, 25% fine sand, 15% clay, slight hydrocarbon odor.	GM				
18		@17' color change (Gley1 3/10G) green staining. Strong hydrocarbon odor.			13:35 A-3 @ 19.24 grab water sample		▼
		CLAYEY SILT: Dark greenish gray (Gley1 4/10GY), soft, moist, 60% silt, 30% clay, 10% fine sand, minor gravel, medium plasticity, strong hydrocarbon odor.	ML				
20			GM	3			
		CLAYEY GRAVEL: Dark greenish gray (Gley1 4/10GY), medium dense, moist, 60% angular medium gravel, 30% clay, 10% fine sand, strong hydrocarbon odor.			13:20 A-3 @ 19.5 - 20		
22							

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LOG OF BORING

Borehole ID: A-3

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24				8	13:25 A-3 @ 23.5 - 24		
26		SAND: Olive brown (2.5Y 4/3), very loose, wet, 100% fine - medium sand, minor clay, strong hydrocarbon odor.	SP	649	13:50 A-3 @ 26 - 26.5		
28		CLAYEY GRAVEL: Dark greenish gray (Gley1 4/10GY), medium dense, dry, 60% angular medium gravel, 30% clay, 10% fine sand, strong hydrocarbon odor.	GM				
30		NO RECOVERY: Sluffing. @27' 1" layer of red (5YR 5/6), well indurated sandstone.					
32					14:15 A-3 @ 34 - 36 grab water sample		Hydropnuch driven from 34' to 36' in separate hole, 3 feet from A-3. Sample collected (A-3@ 34-36').
34							
36							

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LOG OF BORING

Borehole ID: A-4

Total Depth: 36 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 2" Direct Push
Geologist: Andrew Fowler	**Sampling Method:** Continuous Core
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/26/05

BORING INFORMATION	
Groundwater Depth: 21.6 feet bgs.	**Boring Location:** South west side of property.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 2"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
		CLAYEY SANDY GRAVEL: Very dark gray (10YR 3/1), dense, dry, 40% angular gravel, 30% fine - coarse angular sand, 20% clay, 10% silt, no odor.	GP				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
2		SILTY CLAY: Very dark gray (10YR 3/1), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity, slight hydrocarbon odor.	CL				
4		SILTY SANDY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 50% clay, 30% fine - medium angular sand, 20% silt, no odor. Roots visible.					
6		CLAYEY SANDY GRAVEL: Dark yellowish brown (10YR 4/4), dense, dry, 60% angular gravel up to 2 cm diameter, 30% medium - coarse angular sand, 10% clay, no odor.	GM	16.3	12:55 A-4 @ 5 - 5.5		Top 5' logged from hand auger / airknife cuttings.
8		NO RECOVERY					
10							
12		CLAYEY SAND: Olive gray (5Y 4/2), medium dense, dry, 85% fine - medium angular sand, 15% clay, no odor.	SM				
14		GRAVELLY SAND: Olive gray (5Y 4/2), medium dense, dry, 70% fine - medium angular sand, 20% angular gravel up to 2 cm diameter, 10% clay, no odor.		2.0	13:15 A-4 @ 15 - 15.5		
16		CLAYEY GRAVEL: Dark greenish gray (Gley1 4/10GY), medium dense, dry, 60% angular medium gravel, 25% fine sand, 15% clay, slight hydrocarbon odor.	GM				
18		@17' color change (Gley1 3/5G) green staining. Strong hydrocarbon odor.					
20				16.7	13:25 A-4 @ 19.5 - 20		
22		CLAYEY SILT: Yellowish brown (10YR 5/4), soft, dry, 60% silt, 30% clay, 10% fine sand, minor gravel, medium plasticity, strong hydrocarbon odor.	ML		13:32 A-4 @ 21.6 grab		

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LOG OF BORING

Borehole ID: A-4

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24				2537	water sample 13:35 A-4 @ 23.5 - 24		▽
26		SAND: Olive brown (2.5Y 4/3), loose, wet, 100% medium sand, minor angular gravel up to 3 cm diameter, strong hydrocarbon odor.	SP				
28		NO RECOVERY: No recovery due to sluffing from 28' to 35'					
30					13:55 A-4 @ 31.5 - 32		Hydropunch driven from 34' to 38' in separate hole, 3 feet from A-4. Sample collected (A-4@34-36').
32				50.3	14:50 A-4 @ 34 - 36 hydro -punch sample		
34		Refusal @ 35' bgs.					
36							

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LOG OF BORING

Borehole ID: A-5

Total Depth: 40 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 2" Direct Push
Geologist: Andrew Fowler	**Sampling Method:** Continuous Core
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/26/05
BORING INFORMATION	
Groundwater Depth: 21.6 feet bgs.	**Boring Location:** East side of property, near 73rd Ave entrance.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 2"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT	SP				
		SP: Very dark greenish gray (Gley1 3/5GY), loose, dry, coarse angular sand, no odor.	CL				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
2		SILTY CLAY: Very dark gray (10YR 3/1), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity.	SP				
4		CLAYEY SAND: Dark yellowish brown (10YR 4/4), loose, dry, 60% fine - coarse angular sand, 30% clay, 10% silt, no odor.					
6				1.6	10:25 A-5 @ 5 - 5.5		Top 5' logged from hand auger / airknife cuttings.
8		SANDY CLAY: Brown (10YR 4/3), medium stiff, dry, 60% clay, 40% medium angular sand, minor angular gravel, medium plasticity.	CL				
10		@ 9' grades to clayey sand.	SM	1.9	10:35 A-5 @ 10 - 10.5		
12		SANDY SILTY GRAVEL: Olive gray (5Y 5/2), 45% angular gravel up to 5 cm diameter, 35% silt, 15% medium sand, 5% clay.	GM				
14							
16		@ 18' color change (Gley1 3/5G). Strong hydrocarbon odor.		12.3	10:45 A-5 @ 15 - 15.5		
18					A-5 @ 19.5 grab water sample		▼
20				3.1	10:47 A-5 @ 19.5 - 20		
22		@ 22' Red layer (5YR 4/6) 1" thick of well indurated sandstone. Lies above capillary fringe.		6.2	11:00 A-5 @ 22 -		▽
		SAND: Dark greenish gray (Gley1 4/10Y), loose, wet, 100% well sorted,	SP				

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LOG OF BORING

Borehole ID: A-5

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24		rounded coarse sand, minor gravel.			22.5		
26		@ 25' gravel increase to 30%		3.6	11:05 A-5 @ 25 - 25.5		
28							
30		CLAYEY SANDY GRAVEL: Dark grayish brown (2.5Y 4/2), medium dense, dry, 60% angular gravel upto 5cm diameter, 20% coarse angular sand, 15% clay, 5% silt, strong hydrocarbon odor, green staining.	GM	12.4	11:10 A-5 @ 30 - 30.5.		Hydropunch driven from 28' to 30' in separate hole, 3 feet from A-5. No water in hydropunch hole after 1 hour.
32							
34							
36		NO RECOVERY: Sluffing.		8.5	11:20 A-5 @ 35 - 35.5		
38							
40							

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LOG OF BORING

Borehole ID: A-7

Total Depth: 36.5 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Station # 11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.5" Simco Augers
Geologist: Andrew Fowler	**Sampling Method:** 18" Splitspoon, 5' Sampling Intervals
Job Number: 38487353.0A034	**Date(s) Drilled:** 11/3/05

BORING INFORMATION	
Groundwater Depth: not encountered	**Boring Location:** Southeast Corner of Parking Lot for DD's Discounts
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.5"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					Boring grouted with neat Portland Cement. Top 3" finished to grade with concrete.
2		BLANK: Boring logs for soil boring A-7 were stolen, lithologies were logged on 11/16/05 from samples submitted to Sequoia Analytical. Boring airknifed to 5 feet bgs.					
4							
6		CLAYEY SILT: Dark yellowish brown (10YR 4/4), medium stiff, dry, 70% silt, 30% clay, minor gravel up to 8 mm, medium plastic.	ML		12:55 A-7 @ 6-6.5'		
8							
10							
12		SANDY GRAVEL: Brown (10YR 4/3), loose, damp, 70% sub-rounded gravel up to 20 mm, 25% medium sand, 5% silt, no plasticity.	GM		13:00 A-7 @ 11-11.5'		
14							
16		SILTY SAND: Brown (10YR 5/3), medium dense, moist, 65% medium to coarse angular sand, 25% clay, 10% sub-rounded gravel up to 10 mm.	SM		13:05 A-7 @ 16-16.5'		
18							
20							
22		@ 21 feet bgs, color change and gravel disappears; Dark yellowish brown (10YR 4/4), moist, 75% medium to coarse angular sand, 25% silt, slight odor.			13:10 A-7 @ 21-21.5'		

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LOG OF BORING

Borehole ID: A-7

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24							
26		CLAYEY GRAVEL: Brown (10YR 4/3), loose, moist, 70% sub-rounded to sub-angular gravel up to 10 mm, 25% clay, 5% silt, slight hydrocarbon odor.	GC		13:20 A-7@ 25.5-26'		No water encountered in boring A-7 after 1 hour.
28		NO RECOVERY					
30							▽ Hydropunch driven from 28' to 30' in separate hole, 3 feet from A-7. No water in hydropunch hole after 1 hour.
32							
34					13:45 A-7 @ 36-36.5'		
36		CLAYEY SILT: Brown (10YR 5/3), medium stiff, wet, 80% silt, 20% clay, black specks throughout.	ML				Boring terminated at 36.5'.

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1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-8

Total Depth: 36.5 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Station #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.5" Simco Augers
Geologist: Andrew Fowler	**Sampling Method:** 18" Splitspoon, 5' Sampling Intervals
Job Number: 38487353.0A034	**Date(s) Drilled:** 11/3/05

BORING INFORMATION

Groundwater Depth: 24.6 feet bgs.	**Boring Location:** Adjacent to entrance into DD's Discounts
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.5"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
2		BLANK: Boring logs for soilboring A-8 were stolen, lithologies were logged on 11/16/05 from samples submitted to Sequoia Analytical. Boring Airknifed to 5 feet bgs.					Boring grouted with neat Portland Cement. Top 3" finished to grade with concrete.
4							
6		SILTY SAND: Yellowish brown (10YR 5/4), dense, dry, 80% fine sand, 20% silt, no plasticity. 1" layer; reddish brown (5YR 4/3), very hard, well indurated sandstone.	SM		09:00 A-8 @ 6-6.5'		
8							
10							
12					09:05 A-8 @ 11-11.5'		
14							
16		SANDY GRAVEL: Yellowish brown (10YR 5/4), loose, damp, 65% sub-angular gravel up to 30 mm, 3% medium to coarse sand, 5% silt, no plasticity, no odor.	GM		09:10 A-8 @ 15.5-16'		
18							
20							
22		CLAYEY GRAVEL: Yellowish brown (10YR 5/4), medium dense, damp, 60% sub-rounded to sub-angular gravel up to 20 mm, 20% clay, 10% coarse angular sand, 10% silt.	GC		09:15 A-8 @ 21-21.5'		

URS

LOG OF BORING

Borehole ID: A-8

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24					09:36 A-8 @ 24.6' (water)		▼
26		SANDY GRAVEL: Brown (10YR 5/3), loose, wet, 55% sub-angular gravel up to 35 mm, 35% medium sand and rounded coarse sand, 10% silt.	GM				
28					09:40 A-8 @ 25-25.5'		
30		@ 30 feet bgs, gravel increases; loose, wet, 75% sub-rounded gravel up to 10 mm, 15% coarse sand, 55% silt.			09:45 A-8 @ 30-30.5'		Hydropunch driven from 28' to 30' in separate hole, 3 feet from A-8. No water in hydropunch hole after 1 hour.
32							
34					09:50 A-8 @ 36-36.5'		
36		CLAYEY SILT: Brown (10YR 5/3), medium stiff, wet, 80% silt, 20% clay. Black specs throughout, light olive brown mottling.	ML				Boring terminated at 36.5'.

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1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-9

Total Depth: 36.5 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.5" Simco Augers
Geologist: Andrew Fowler	**Sampling Method:** 18" Splitspoon, 5' Sampling Intervals
Job Number: 38487353.0A034	**Date(s) Drilled:** 11/3/05

BORING INFORMATION	
Groundwater Depth: 24.2 feet bgs.	**Boring Location:** Offsite: North corner of site in adjacent parking lot
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.5"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					Boring grouted with neat Portland Cement. Top 3" finished to grade with concrete.
2		BLANK: Boring logs for soilboring A-9 were stolen, lithologies were logged on 11/16/05 from samples submitted to Sequoia Analytical. Boring Airknifed to 5 feet bgs.					
4							
6		SILTY SAND: Yellowish brown (10YR 5/4), medium stiff, damp, 80% medium to coarse sand, 20% silt, low plasticity.	SM		11:15 A-9 @ 6-6.5'		
8							
10							
12		GRAVELLY SAND: Yellowish brown (10YR 5/4), loose, damp, 60% well sorted medium sand, 30% gravel up to 20 mm, 10% silt, no plasticity, no odor.	SP		11:20 A-9 @ 11-11.5'		
14							
16		CLAYEY GRAVEL: Yellowish brown (10YR 5/4), medium dense, damp, 60% sub-rounded to sub-angular gravel up to 30 mm, 20% clay, 10% coarse angular sand, 10% silt, no odor.	GC		11:30 A-9 @ 16-16.5'		
18							
20							
22		SANDY GRAVEL: Brown (10YR 5/3), loose, damp, 55% sub-rounded angular gravel up to 35 mm, 35% medium sand and rounded coarse sand, 10% silt, no plasticity, no odor.	GM		11:31 A-9 @ 21-21.5'		

URS

LOG OF BORING

Borehole ID: A-9

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24					11:35 A-9 @ 24.2' (water)		▼ ▽
26		SILTY SAND: Yellowish brown (10YR 5/4), loose, wet, 65% medium to coarse sub-rounded to sub-angular sand, 30% silt, 5% clay, no plasticity, no odor.	SM				
28					11:40 A-9 @ 25-25.5'		
30							Hydropunch driven from 28' to 30' in separate hole, 3 feet from A-9. No water in hydropunch hole after 1 hour.
32		CLAY: Dark grayish brown (10YR 4/2), medium stiff, dry, 90% clay, 10% silt, medium to high plasticity.	CL		11:45 A-9 @ 31-31.5'		
34		CLAYEY GRAVEL: Brown (7.5YR 5/2), loose to medium dense, dry, 80% sub angular gravel up to 10 mm, 15% clay, 5% silt.	GC		11:50 A-9 @ 36-36.5'		
36		CLAYEY SILT: Brown (10YR 5/3), medium stiff, wet, 80% silt, 20% clay, no odor. Black specs throughout.	ML				Boring terminated at 36.5'.

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1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-10

Total Depth: 39 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.5" Simco Augers
Geologist: Barbara Jakub	**Sampling Method:** 18" Split Spoon
Job Number: 38487353.0A034	**Date(s) Drilled:** 11/7/05

BORING INFORMATION	
Groundwater Depth: 25 feet bgs	**Boring Location:** In center of planter, across 73rd Ave. from Site.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.5"
Coordinates: X Y	**Boring Type:** Exploratory

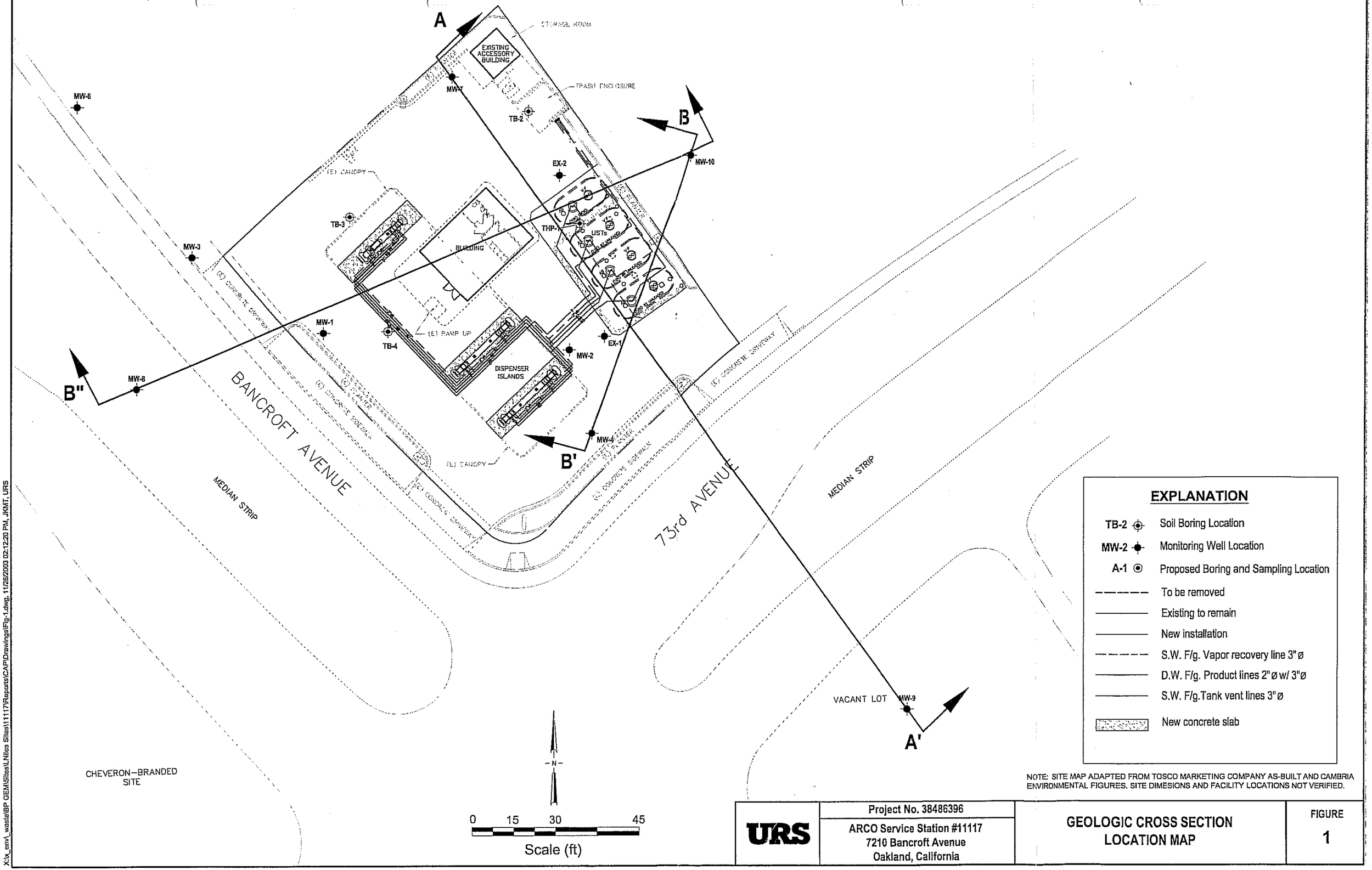
Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		MUCLH: Mulch cover to 0.2 feet bgs.					
2		FILL: Angular gravel fill with clasts up to 120 mm in diameter.	FILL				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
4		CLAYEY SILT: Dark brown (10YR 3/3). 80% Silt, 15% clay, 5% sand.	ML				
6		SILT: Brown (10 YR 4/3), medium stiff, damp, 85% silt, 10% clay, 4% fine sand, 1% angular gravel up to 80 mm diameter, low plasticity. Trace black specs.			09:48 A-10 @ 5.5-6'		Top 5' logged from hand auger / airknife cuttings.
8							
10		SILTY SAND: Brown (7.5YR 4/3), loose, damp, 55% fine sand, 40% silt, 3% clay, 2% gravel, non plastic. Fines downward.	SM		10:02 A-10 @ 10.5-11'		
12							
14							
16		SILT: Yellowish brown (10YR 5/4), stiff, damp, 85% silt, 10% clay, 5% fine sand, low plasticity. Manganese staining.	ML		10:05 A-10 @ 15.5-16'		
18							
20		Silt content increases. 95% Silt, 5% clay. Medium stiff.			10:10 A-10 @ 20.5-21'		
22							

URS

LOG OF BORING

Borehole ID: A-10

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24					10:19 A-10 @ 25.5-26'		▽
26		SANDY SILT: Yellowish brown (10YR 5/4), soft, moist, 80% silt, 17% fine sand, 3% clay. Trace black specs and white granules (possibly feldspar) up to 30 mm in diameter.			10:20 A-10 @ 25' (water)		
28							
30		SILT: Yellowish brown (10YR 5/4), soft, wet to saturated, 75% silt, 10% clay, 10% gravel, 5% sand. Angular chert gravel at base up to 30 mm in diameter.			10:33 A-10 @ 30.5-31'		
32							Hydropunch driven from 39' to 41' in separate hole, 3 feet from A-10. Sample taken (A-10@39').
34					10:42 A-10 @ 35.5-36'		
36		SILTY GRAVEL: Yellowish brown (10YR 5/4), dense, wet, 70% angular to sub-angular gravel up to 30 mm in diameter with chert and sandstone clasts, 17% silt, 10% sand, 3% clay.	GM				
38					11:07 A-10 @ 39' (water)		Total depth 39 feet bgs.
40							



EXPLANATION

- TB-2 — Soil Boring Location
- MW-2 — Monitoring Well Location
- A-1 — Proposed Boring and Sampling Location
- To be removed
- Existing to remain
- New installation
- S.W. F/g. Vapor recovery line 3" ø
- D.W. F/g. Product lines 2" ø w/ 3" ø
- S.W. F/g.Tank vent lines 3" ø
- New concrete slab

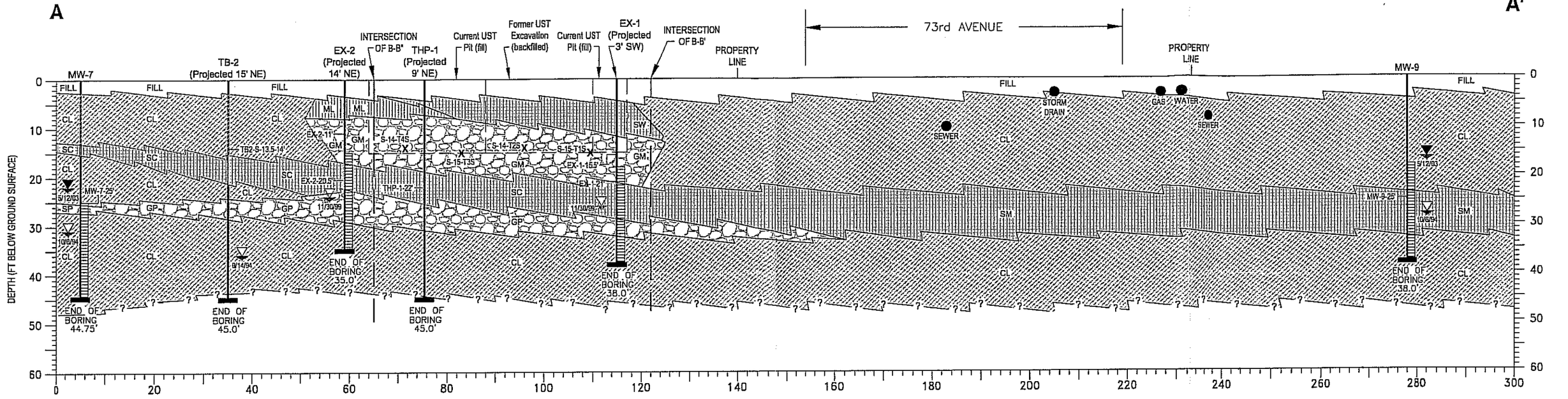
NOTE: SITE MAP ADAPTED FROM TOSCO MARKETING COMPANY AS-BUILT AND CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38486396 ARCO Service Station #11117 7210 Bancroft Avenue Oakland, California	GEOLOGIC CROSS SECTION LOCATION MAP	FIGURE 1

X:\x_env_waste\BP GEM\Sites\LNiles Sites\11117\Reports\CAP\Drawings\Fig-1.dwg, 11/26/2003 02:12:20 PM, JKMT, URS

NORTHWEST
A

SOUTHEAST
A'



SOIL CONCENTRATIONS (ppm)				
Sample ID	Date	TPH-g	Benzene	MTBE
EX-2-11	11/30/99	ND<1.0	ND<0.005	0.012
EX-2-20.5	11/30/99	ND<1.0	ND<0.005	ND<0.005
EX-1-15.5	11/30/99	ND<1.0	ND<0.005	0.011
EX-2-21	11/30/99	ND<1.0	ND<0.005	ND<0.005
MW-7-25	10/6/94	ND<1.0	ND<0.005	--
MW-9-25	10/6/94	ND<1.0	ND<0.005	--
S-14-T4S	8/14/98	ND	ND	0.028
S-15-T3S	8/14/98	ND	ND	0.065
S-14-T2S	8/14/98	3.7	ND	0.055
S-15-T1S	8/14/98	5,300	ND	ND
TB2-S-13.5-14	9/14/94	ND	ND	ND
THP-1-22	9/14/94	ND	ND	ND

LEGEND

CL	Gravelly clays, sandy clays, silty clays, lean clays
ML	Silts and very fine sands
SW-SM, SC	Gravelly and/or silty to clayey sand
GP-GM	Sandy and/or silty gravel
MW-3	Well or Soil Boring Number Distance and Direction of Projection
CL	Soil Type using the Unified Soil Classification System
	Analyzed Soil Sample
5/12/03	Static water level/date
10/6/94	First encountered water/date
	Total depth of boring
END OF BORING 40.0'	
THP-1-22'	Soil sample analytical results with TPH-g, Benzene, and MTBE concentrations in milligrams per kilogram (mg/kg) shown on table

Utility information provided by PG&E, EBMUD, and City of Oakland

0 10 20 40

Scale (ft)

URS	Project No. 38486396 Former BP Service Station #11117 7210 Bancroft Avenue Oakland, California	GEOLOGIC CROSS SECTION A - A'	FIGURE 2

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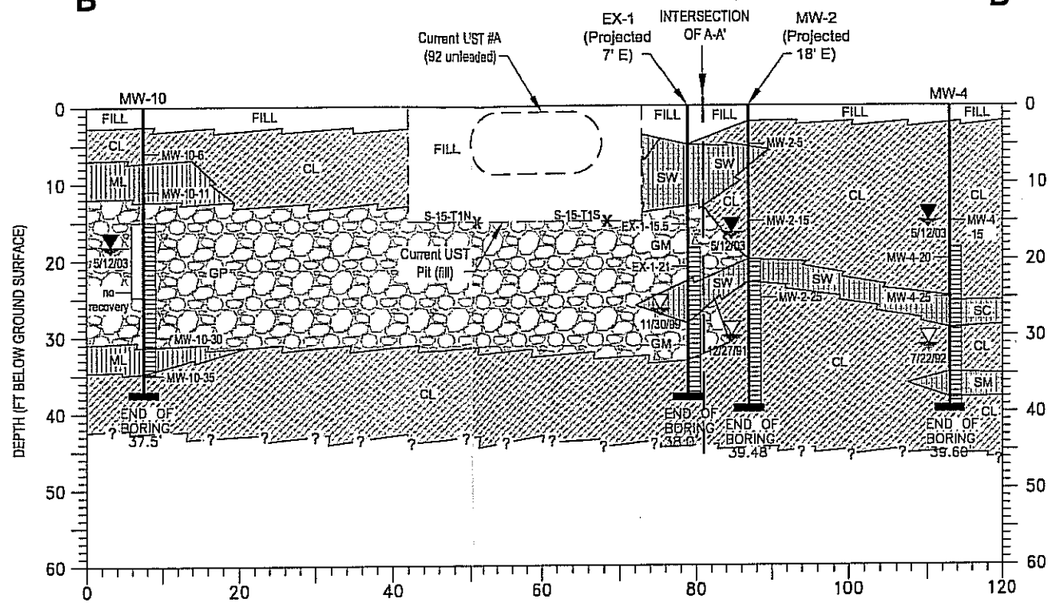
NORTH-NORTHEAST **SOUTH-SOUTHWEST**

B **B'**



SOIL CONCENTRATIONS (ppm)				
Sample ID	Date	TPH-g	Benzene	MTBE
EX-1-15.5	11/30/99	ND<1.0	ND<0.005	0.011
EX-1-21	11/30/99	ND<1.0	ND<0.005	ND<0.005
MW-2-5	12/27/91	ND	ND	ND
MW-2-15	12/27/91	ND	ND	ND
MW-2-25	12/27/91	ND	ND	ND
MW-4-15	7/22/92	240	ND	–
MW-4-20	7/22/92	6,000	34	–
MW-4-25	7/22/03	1,100	1.6	–
MW-10-6	–	ND<0.1	ND<0.001	ND<0.1
MW-10-30	–	ND<0.1	ND<0.001	ND<0.1
MW-10-35	–	ND<0.1	ND<0.001	ND<0.1
S-15-T1N	8/14/98	480	0.4	1.6
S-15-T1S	8/14/98	5,300	ND	ND

LEGEND

CL	Gravelly clays, sandy clays, silty clays, lean clays
ML	Silts and very fine sands
SW-SM, SC	Gravelly and/or silty to clayey sand
GP-GM	Sandy and/or silty gravel
MW-4	Well or Soil Boring Number Distance and Direction of Projection
CL	Soil Type using the Unified Soil Classification System
	Analyzed Soil Sample
5/12/03	Static water level/date
10/6/94	First encountered water/date
END OF BORING 40.0	Total depth of boring
THP-1-22'	Soil sample analytical results with TPH-g, Benzene and MTBE concentrations in milligrams per kilogram (mg/kg) shown on table

0 10 20 40

Scale (ft)

URS	Project No. 38486396 Former BP Service Station #11117 7210 Bancroft Avenue Oakland, California	GEOLOGIC CROSS SECTION B - B'	FIGURE 3

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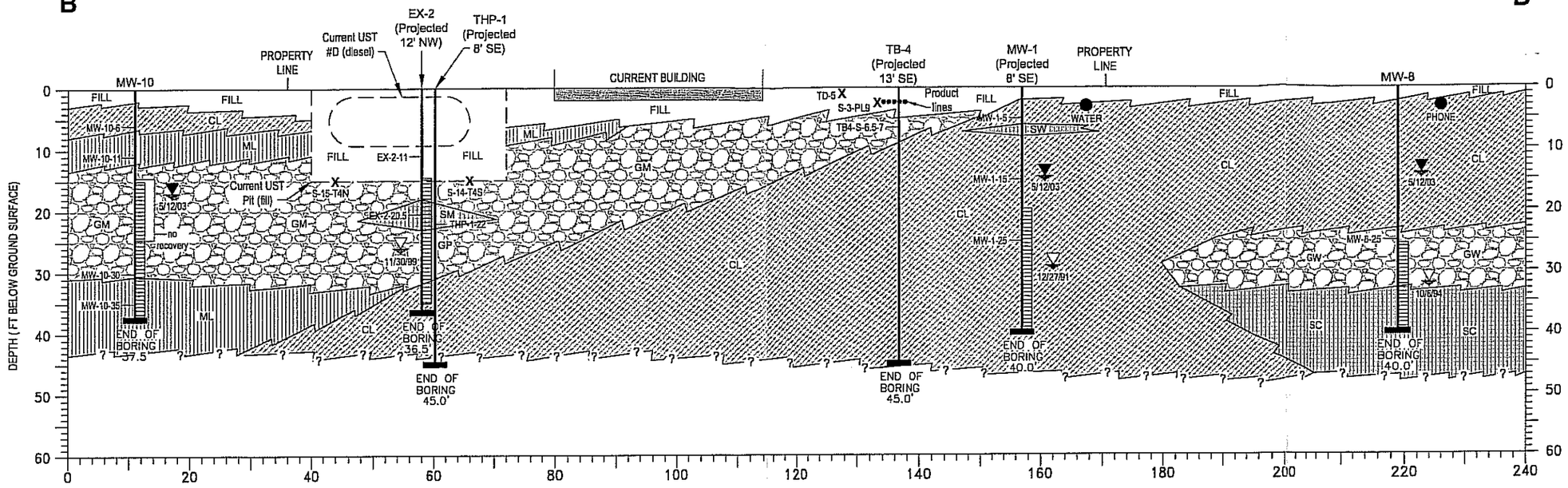
EAST-NORTHEAST
B

WEST-SOUTHWEST
B"



SOIL CONCENTRATIONS (ppm)				
Sample ID	Date	TPH-g	Benzene	MTBE
EX-2-11	11/30/99	ND<1.0	ND<0.005	ND<0.005
EX-2-20.5	11/30/99	ND<1.0	ND<0.005	ND<0.005
MW-1-5	12/27/91	ND	ND	ND
MW-1-15	12/27/91	ND	ND	ND
MW-1-25	12/27/91	ND	ND	ND
MW-8-25	10/6/94	ND<1.0	--	--
MW-10-6	7/7/97	ND<1.0	--	--
MW-10-11	7/7/97	ND<1.0	--	--
MW-10-30	7/7/97	ND<1.0	--	--
MW-10-35	7/7/97	ND<1.0	--	--
S-3-PL9 (proj. 8' NW)	8/14/98	ND	ND	ND
S-14-T4S	8/14/98	ND	ND	0.028
S-15-T4N	8/14/98	ND	ND	0.26
TB4-S-6.5-7	9/14/94	ND	ND	ND
TD-5 (proj. 14' NW)	9/8/94	ND	ND	ND
TPH-1-22	9/8/94	ND	ND	ND

LEGEND

CL	Gravelly clays, sandy clays, silty clays, lean clays
ML	Silts and very fine sands
SW-SM, SC	Gravelly and/or silty to clayey sand
GP-GM	Sandy and/or silty gravel
MW-1	Well or Soil Boring Number Distance and Direction of Projection
CL	Soil Type using the Unified Soil Classification System
	Analyzed Soil Sample
5/12/03	Static water level/date
10/6/94	First encountered water/date
END OF BORING 40.0'	Total depth of boring
THP-1-22'	Soil sample analytical results with TPH-g, Benzene and MTBE concentrations in milligrams per kilogram (mg/kg) shown on table

Utility information provided by PG&E, EBMUD, and City of Oakland

0 10 20 40
Scale (ft)

URS	Project No. 38486396 Former BP Service Station #11117 7210 Bancroft Avenue Oakland, California	GEOLOGIC CROSS SECTION B - B"	FIGURE 4

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