Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 1257
San Ramon, CA 94583
Phone: (925) 275-3801
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20 February 2008

Re: Revised Soil & Ground-Water Investigation and
Fourth Quarter 2007 Ground-Water Monitoring 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

Revised
Soil & Ground-Water Investigation
and Fourth Quarter 2007
Ground-Water Monitoring Report
Former BP Station #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.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

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20 February 2008

Project No. 06-08-649

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

20 February 2008

Project No. 06-08-649

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

Attn.: Mr. Paul Supple

Re: *Revised* Soil & Ground-Water Investigation and Fourth Quarter 2007 Ground-Water Monitoring Report, Former BP Station #11117, 7210 Bancroft Avenue, Oakland, California; ACEH Case # RO0000356

Dear Mr. Supple:

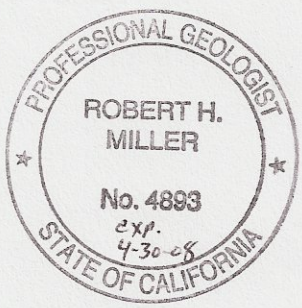
Broadbent & Associates, Inc. (BAI) is pleased to submit this revised *Soil & Ground-Water Investigation and Fourth Quarter 2007 Ground-Water Monitoring Report* for Former BP Station #11117 (herein referred to as Station #11117) located at 7210 Bancroft Avenue, Oakland California (Site). This report presents a description of field activities conducted and analytical results obtained during installation of one new monitoring well and five new dual phase extraction (DPE) wells on the Site. This report also presents a summary of results from ground-water monitoring and sampling conducted during the Fourth Quarter of 2007. This revised report supersedes the previously-submitted version which was dated 30 January 2008.

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
Senior Engineer, P.E.

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, 76 Broadway, Sacramento, California 95818
Electronic copy uploaded to GeoTracker

REVISED SOIL & GROUND-WATER INVESTIGATION AND
FOURTH QUARTER 2007 GROUND-WATER MONITORING REPORT
Former BP Station #11117
7210 Bancroft Avenue, Oakland, California

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APPENDICES

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Appendix B Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets and Laboratory Analytical Reports with Chain-of-Custody Documentation)

Appendix C GeoTracker Upload Confirmation Reports

REVISED SOIL & GROUND-WATER INVESTIGATION AND FOURTH QUARTER 2007 GROUND-WATER MONITORING REPORT
Former BP Station #11117
7210 Bancroft Avenue, Oakland, California

1.0 INTRODUCTION

This document presents results of well installation activities associated with ground-water monitoring and dual-phase extraction (DPE) remediation system construction at Former BP Service Station #11117 (herein referred to as Station #11117) located at 7210 Bancroft Avenue, Oakland, California (Site). This report also presents a summary of results from routine scheduled ground-water monitoring and sampling conducted during the Fourth Quarter of 2007, as well as provides a written progress update on construction of the DPE remediation system. This revised report supersedes the previously-submitted version which was dated 30 January 2008. This revised version includes geologic cross-sections and initial well sampling results.

2.0 SOIL & GROUND-WATER INVESTIGATION

Well installation activities were originally proposed by Broadbent & Associates, Inc. (BAI) in the *Soil and Ground-Water Investigation Report, Former BP Service Station 11117* dated 15 June 2007. Additional ground-water characterization activities were conducted as requested by the Alameda County Environmental Health Services (ACEH) in their approval letter dated 11 October 2007. Well installation activities were conducted to further assist site assessment and remediation with construction of the DPE system. This report presents a summary of the methods of investigation, field activities and observations, results of laboratory analyses, conclusions and recommendations. Activities included the following:

- Completed project set-up activities including: solicitation and contracting with a California-licensed C-57 drilling contractor to conduct drilling activities; clearance of potential conflicts with underground utilities prior to initiation of field activities as required by law; and preparation of a Site Health & Safety Plan to inform project personnel of potential project hazards;
- Obtained permits from the Alameda County Public Works Agency for installation of two ground-water monitoring wells (MW-11 and MW-12), and five DPE wells (DPE-1 through DPE-5).
- Observed drilling and construction of six of the seven wells referenced above (MW-12 was not installed);
- On-site storage of soil cuttings and decontamination water within 55-gallon drums for offsite transportation and treatment or disposal after appropriate characterization;
- Completed well development activities on new wells;
- Coordinated with a California-licensed Professional Land Surveyor to establish well latitude, longitude, and elevations; and
- Prepared this report detailing the above-mentioned activities.

Well installation activities included installation of new monitoring well MW-11 and DPE wells DPE-1 through DPE-5 on the Site southwest of the underground storage tank (UST) complex and dispenser islands. The originally proposed location of well MW-11 was determined not to be necessary, and proposed well MW-12 was renamed as MW-11. Existing well MW-4 was

proposed to be converted to well DPE-5, however, the location of well DPE-5 was modified based on the location of underground utilities and discussion with the scoping contractor and ACEH. Details of the soil and ground-water investigation activities are provided below.

2.1 Soil Borings

Soil borings for wells MW-11 and DPE-1 through DPE-5 were advanced by Woodward Drilling, a California-licensed C-57 drilling contractor, using a BK-61 Mobile Drill rig with ten-inch diameter hollow-stem augers. Soil borings MW-11, DPE-1 through DPE-3, and DPE-5 were drilled to a total depth of 40 feet below ground surface (ft bgs). Soil boring DPE-4 overdrilled existing well MW-2 to a total depth of 45 ft bgs. During drilling activities, new soil borings were described by the on-site Stratus geologist using the Universal Soil Classification System (USCS). Geologic Cross-Sections are provided as Drawing 3 and Drawing 4. Field notes, lithologic boring logs and well construction logs are provided in Appendix A. Boring logs were uploaded to the GeoTracker AB2886 database. Copies of the GeoTracker upload confirmation reports (GEO_BORE files) are provided in Appendix C.

2.2 Soil Sampling

Soil samples were collected at approximately 5-ft intervals during the drilling associated with the well installations, with the exception of well DPE-4 (over-drilling of existing MW-2), which was not sampled. Select soil samples were delivered under standard chain-of-custody protocol to Test America Analytical Testing Corporation (Morgan Hill, California), a State of California-certified analytical laboratory. Samples were analyzed for Gasoline Range Organics (GRO, hydrocarbon chain lengths C4-12) by the LUFT GCMS Method; for Benzene, Toluene, Ethyl-benzene, and Total Xylenes (BTEX), tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Di-isopropyl ether (DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), ethanol, Ethyl tert-butyl ether (ETBE), and Methyl tert-butyl ether (MTBE) by EPA Method 8260B.

The laboratory analytical report for soil boring samples, including completed chain-of-custody documentation, is provided in Appendix A. Soil laboratory analytical results are also summarized in tabular format below.

Soil Boring Samples - Laboratory Analytical Results (mg/kg)

Sample ID	GRO	B	T	E	X	TAME	TBA	MTBE
MW-11 20’	**0.10**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005
MW-11 30’	**1.9**	**0.0089**	**0.022**	**0.11**	**0.11**	<0.005	<0.02	<0.005
DPE-1 25’	<0.10	<0.005	<0.005	<0.005	<0.005	<0.005	**0.28**	<0.005
DPE-1 35’	<0.10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005
DPE-2 20’	<0.10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005
DPE-2 30’	**2,200**	<0.005	<0.005	**12**	**26**	<0.005	<0.02	<0.005
DPE-3 20’	**0.39**	<0.005	<0.005	**0.005**	<0.005	<0.005	<0.02	<0.005
DPE-3 35’	**3.6**	**0.082**	**0.20**	**0.15**	**0.28**	<0.005	<0.02	**0.06**
DPE-5 20’	**1,000**	<5.0	**14**	**31**	**150**	<2.5	<500	<2.5
DPE-5 35’	**3.5**	**0.41**	**0.011**	**0.085**	**0.12**	**0.012**	**0.61**	**3.9**

Detected hydrocarbon concentrations are represented within the table above with bold-typed font. Concentrations of DIPE, EDB, ETBE, and 1,2-DCA are not included in the above table as the results for these constituents were below their respective laboratory reporting limits. The laboratory noted that DPE-1 25' was analyzed shortly after the holding time had expired; the GRO result for DPE-5 35' was partly due to individual peak(s) in the quantitative range; and the samples collected at DPE-3 35' (toluene, ethylbenzene, and total xylenes) and DPE-5 35' (ethylbenzene) contained concentrations four times greater than the spike concentration. No other significant irregularities were reported during laboratory analysis of the soil boring samples. The laboratory results for soil sample analyses were uploaded to the GeoTracker AB2886 database. Copies of the GeoTracker upload confirmation reports (EDF) are provided within Appendix C.

2.3 Well Construction

Wells MW-11 and DPW-1 through DPE-5 were constructed using flush-threaded, four-inch diameter Schedule 40 PVC pipe. The factory-slotted 0.020-inch screen intervals extend from 15 ft bgs to 40 ft bgs in each well, with the exception of well DPE-3, in which the screen interval extends from 13 ft bgs to 38 ft bgs. The filter pack surrounding the screen intervals consists of Number 3 silica sand extending from 13 ft bgs to 40 ft bgs, with the exceptions of well DPE-3, where the filter pack extends from 11 ft bgs to 40 ft bgs and well DPE-4, in which the filter pack extends from 13 ft bgs to 45 ft bgs. Each wellhead was secured with a locking well cap and protected by a traffic-rated well vault set flush with the local ground surface. Additional details of well construction are provided in the field notes, lithologic soil boring logs and State of California well completion reports provided in Appendix A. Well construction information was uploaded to the GeoTracker AB2886 database. Copies of GeoTracker upload confirmation reports (GEO_BORE) are provided within Appendix C.

2.4 Well Surveying and Development

The Site was resurveyed on 3 December 2007, incorporating new wells MW-11 and DPE-1 through DPE-5, by David C. Triplett, Professional Land Surveyor #4650 with Morrow Surveying of Sacramento, California. Unfortunately, well MW-6 was not re-surveyed as the well vault could not be opened during the survey visit. The data package from Morrow Surveying is provided within Appendix A. This new well survey information was uploaded to the GeoTracker AB2886 database. Copies of the GeoTracker upload confirmation reports (GEO_MAP, GEO_XY, and GEO_Z files) are provided within Appendix C.

New wells MW-11 and DPE-1 through DPE-5 were developed on 11 December 2007. Well development activities consisted of surging the wells with a bailer and pumping the wells with a submersible ground-water pump until relatively silt-free water was removed. Well DPE-3 ran dry before the targeted ten wetted casing volumes of water were removed – approximately 45 gallons of the targeted 125 gallons. Ten wetted casing volumes of water were purged from each of the remaining wells: approximately 107 gallons were purged from well MW-11; approximately 120 gallons were purged from well DPE-1; approximately 130 gallons were purged from well DPE-2; approximately 124 gallons were purged from well DPE-4; and

approximately 99 gallons were purged from well DPE-5. After development, the wells were left to hydraulically equilibrate prior to water level measurement and sampling. When equilibration was complete, the depth to water was measured in each well. Monitored ground-water level elevation data is provided within Appendix A.

2.5 Initial Well Sampling

New wells MW-11 and DPE-1 through DPE-5 were initially sampled on 14 December 2007. Initial sampling was conducted three days after well development to allow the aquifer to rest and stabilize. Using submersible pumps or bailers, the wells were purged of approximately three wetted casing volumes of water each (between 33 and 39 gallons each). No irregularities were reported during sampling. Samples were submitted under chain-of-custody protocol to Test America Analytical Testing Corporation (TAMC, Morgan Hill, California), for analysis of GRO by the LUFT GCMS Method; for BTEX, TAME, TBA, DIPE, EDB, 1,2-DCA, Ethanol, ETBE, and MTBE by EPA Method 8260B. No significant irregularities were reported during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A. The laboratory analytical results are also summarized in tabular format below.

Initial Well Samples - Laboratory Analytical Results (µg/L)								
Sample ID	**GRO**	**B**	**T**	**E**	**X**	**MTBE**	**ETBE**	**TBA**
MW-11	**8,000**	<10	**72**	**230**	**760**	<10	<10	<400
DPE-1	**360**	**24**	<0.50	**3.4**	<0.50	**28**	**3.4**	**1,300**
DPE-2	**2,500**	**1.2**	**0.99**	**12**	**32**	**0.71**	<0.50	<20
DPE-3	**13,000**	**1,800**	**840**	**830**	**1,200**	**770**	<25	**1,700**
DPE-4	**510,000**	**12,000**	**27,000**	**4,900**	**27,000**	**8,000**	<500	<20,000
DPE-5	**300,000**	**9,200**	**4,100**	**4,600**	**20,000**	**16,000**	<500	<20,000

Detected hydrocarbon concentrations are represented within the table above with bold-typed font. Concentrations of Ethanol, DIPE, EDB, and 1,2-DCA are not included in the above table as the results for these constituents were below their respective laboratory reporting limits. The laboratory noted that the benzene concentration in the sample from DPE-1 was greater than four times the spike concentration. The laboratory also noted that the Matrix Spike and the Matrix Spike Duplicate recoveries were below acceptance limits for the GRO analyses, suspecting matrix interference. No other significant irregularities were reported during laboratory analysis of the initial well samples. The laboratory results for the initial well sample analyses were uploaded to the GeoTracker AB2886 database. Copies of the GeoTracker upload confirmation reports (EDF) are provided within Appendix C.

2.6 Investigation-derived Residuals Management

Down-hole equipment was decontaminated between uses in each well to minimize potential for cross-contamination. Decontamination consisted of cleaning down-hole equipment in a wash solution of Liquinox, rinsing in tap water, followed by a final rinse with distilled water. Drill

cuttings were monitored during generation with a photo-ionization detector (PID). Drill cuttings were placed in 55-gallon drums, labeled and accumulated on-site until waste profiling and proper disposal could take place. A total of 47 55-gallon drums were filled with solids/soil cuttings and decontamination rinsate from the November 2007 well drilling activities. Approximately 625 gallons of ground-water was generated during development of the six new wells on 11 December 2007. An additional 221 gallons of ground-water was generated during initial sampling of the six new wells. The 625 gallons of well development water was removed from the Site by Stratus later that same day (11 December 2007) and transported by Non-Hazardous Waste Manifest to Seaport Refining & Environmental, LLC of Redwood City for treatment in accordance with BP protocols. The 221 gallons of initial sampling purge water was removed from the Site by Stratus later its same day (14 December 2007) and transported by Non-Hazardous Waste Manifest to Seaport Refining & Environmental for treatment. In January 2008, the solids and liquids generated during well construction activities were removed from the Site: On 8 January 2008 Belshire Environmental Services, Inc. (BESI) transported 385 gallons in seven drums to recycler Demenno Kerdoon of Compton, California; On 14 January 2008 BESI transported 40 drums of solids/soil cuttings to TPST Soil Recyclers of California in Adelanto. Copies of the non-hazardous waste transportation manifests are contained within Appendix A.

3.0 GROUND-WATER MONITORING AND SAMPLING

The following section contains information that would normally be presented within the routine quarterly ground-water monitoring and sampling report for the Fourth Quarter 2007.

3.1 Site Identification Summary

Facility: #11117 Address:	7210 Bancroft Avenue, Oakland, California
Environmental Business Manager:	Mr. Paul Supple
Consulting Co./Contact Persons:	Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus (530) 566-1400
Consultant Project No.:	06-08-649
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) ACEH Case #RO0000356
Facility Permits/Permitting Agency:	NA

3.2 Work Performed This Quarter (Fourth Quarter 2007)

1. Prepared and Submitted Third Quarter 2007 Ground-Water Monitoring Report.
2. Conducted ground-water monitoring/sampling for Fourth Quarter 2007. Work performed by Stratus Environmental, Inc. (Stratus) on 9 November 2007.
3. Installed one ground-water monitoring well and five DPE wells. Work performed by Stratus between November 5-21, 2007. Soil sampling results and boring log information uploaded to GeoTracker database by BAI.
4. Site surveyed by Professional Land Surveyor on 3 December 2007. Work performed by Morrow Surveying under subcontract to Stratus. Survey information uploaded to GeoTracker database by BAI.

5. Developed new ground-water monitoring well (MW-11) and new DPE wells (DPE-1 through DPE-5) on 11 December 2007.
6. Collected initial ground-water samples from new ground-water monitoring well (MW-11) and new DPE wells (DPE-1 through DPE-5) on 14 December 2007.
7. DPE remediation system components purchased by Stratus. Delivery of system components being scheduled.
8. Authority to Construct application for treated air discharge in preparation for submittal to Bay Area Air Quality Management District. Work being performed by Stratus.
9. Application for treated water discharge in preparation for submittal to East Bay Municipal Utility District. Work being performed by Stratus.
10. Application for new service in preparation for submittal to Pacific Gas & Electric Company. Work being performed by Stratus.

3.3 Work Proposed for Next Quarter (First Quarter 2008)

1. Prepare and submit Soil & Water Investigation and Fourth Quarter 2007 Ground-Water Monitoring Report (contained herein).
2. Conduct quarterly ground-water monitoring/sampling for First Quarter 2008.
3. Continue DPE remediation system permitting and construction. Continue to provide monthly updates of progress.

3.4 Quarterly Results Summary

Current phase of project:	**Ground-Water Monitoring/Sampling/Construction of DPE Remediation System**
Frequency of ground-water monitoring:	**Quarterly: MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, EX-1, EX-2 (New: MW-11, DPE-1, DPE-2, DPE-3, DPE-4, DPE-5)**
Frequency of ground-water sampling:	**Quarterly: EX-1, EX-2, MW-2, MW-4, MW-7, MW-10 (New: MW-11, DPE-1, DPE-2, DPE-3, DPE-4, DPE-5) Semi-annually (1Q and 3Q): MW-9 Annually (1Q): MW-1, MW-3, MW-6, MW-8**
Is free product (FP) present on-site:	**No**
FP recovered this quarter:	**None**
Current remediation techniques:	**Construction of Dual Phase Extraction System in progress**
Depth to ground water (below TOC):	**19.83 (MW-1) to 23.07 (MW-7)**
General ground-water flow direction:	**Southwest and Southeast**
Approximate hydraulic gradient:	**0.005 ft/ft and 0.003 ft/ft**

3.5 Discussion

Fourth quarter 2007 ground-water monitoring and sampling was conducted at Station #11117 on 9 November 2007 and 14 December 2007 by Stratus Environmental, Inc. (Stratus). Water levels were gauged in 11 wells at the Site on 9 November 2007 (before new wells MW-11 and DPE-1 through DPE-5 were installed). Water levels were gauged in 15 wells at the Site on 14

December 2007. Well MW-6 could not be opened on 14 December 2007 due to a broken and stuck well cap. No other irregularities were noted during this water level gauging event. As this latter event was more comprehensive, water levels from 14 December 2007 were used in the following discussion. Depth-to-water measurements ranged from 19.83 ft at MW-1 to 23.07 ft at MW-7. Resulting ground-water surface elevations ranged from 17.83 ft above mean sea level in well MW-10 to 15.92 ft at well MW-7. Water level elevations were predominately below the between historic minimum ranges for each well, as summarized in Table 1, partly due to the significant difference between the recently resurveyed elevations from 3 December 2007 and the previous survey elevations. Water level elevations from 14 December 2007 yielded variable potentiometric ground-water flow directions and gradients to the southwest and southeast at approximately 0.005 ft/ft and 0.003 ft/ft, generally inconsistent with historical data (see Table 3). Ground-water monitoring field data sheets are provided within Appendix A and Appendix B. Measured depths to ground water and respective ground-water elevations are summarized in Table 1. Potentiometric ground-water elevation contours are presented in Drawing 5.

Water samples were collected from wells MW-2, MW-4, MW-7, MW-10, EX-1 and EX-2 on 9 November 2007, consistent with the monitoring schedule in effect at the time, prior to the construction of the new wells. As mentioned previously, water samples were collected on 14 December 2007 from the new wells MW-11, DPE-1, DPE-2, DPE-3, DPE-4 (previously MW-2), and DPE-5. During the 9 November 2007 sampling event, well EX-1 ran dry prior to purging of three wetted casing volumes. No other irregularities were reported during sampling events of 9 November or 14 December 2007. Samples were submitted under chain-of-custody protocol to Test America Analytical Testing Corporation (TAMC, Morgan Hill, California), for analysis of GRO by the LUFT GCMS Method; for BTEX, TAME, TBA, DIPE, EDB, 1,2-DCA, Ethanol, ETBE, and MTBE by EPA Method 8260B. No significant irregularities were reported during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A and Appendix B.

Concentrations of GRO were detected above the laboratory reporting limit in each of the wells sampled at concentrations up to 510,000 micrograms per liter (µg/L) in well DPE-4. Benzene was detected above the laboratory reporting limit in seven of the wells sampled at concentrations up to 12,000 µg/L in well DPE-4. Toluene was detected above the laboratory reporting limit in seven of the wells sampled at concentrations up to 27,000 µg/L in well DPE-4. Ethylbenzene was detected above the laboratory reporting limit in nine of the wells sampled at concentrations up to 4,900 µg/L in well DPE-4. Total Xylenes were detected above the laboratory reporting limit in ten of the wells sampled at concentrations up to 27,000 µg/L in well DPE-4. TBA was detected above the laboratory reporting limit in four of the wells sampled at concentrations up to 5,700 µg/L in well MW-4. MTBE was detected above the laboratory reporting limit in ten of the wells sampled at concentrations up to 16,000 µg/L in well DPE-5. ETBE was detected above the reporting limit in one of the wells sampled at a concentration of 3.4 µg/L in well DPE-1. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the wells sampled this quarter.

Detected analyte concentrations were within the historic minimum and maximum ranges recorded for wells MW-4, MW-7, MW-10, EX-1, and EX-2 with the following exceptions: The

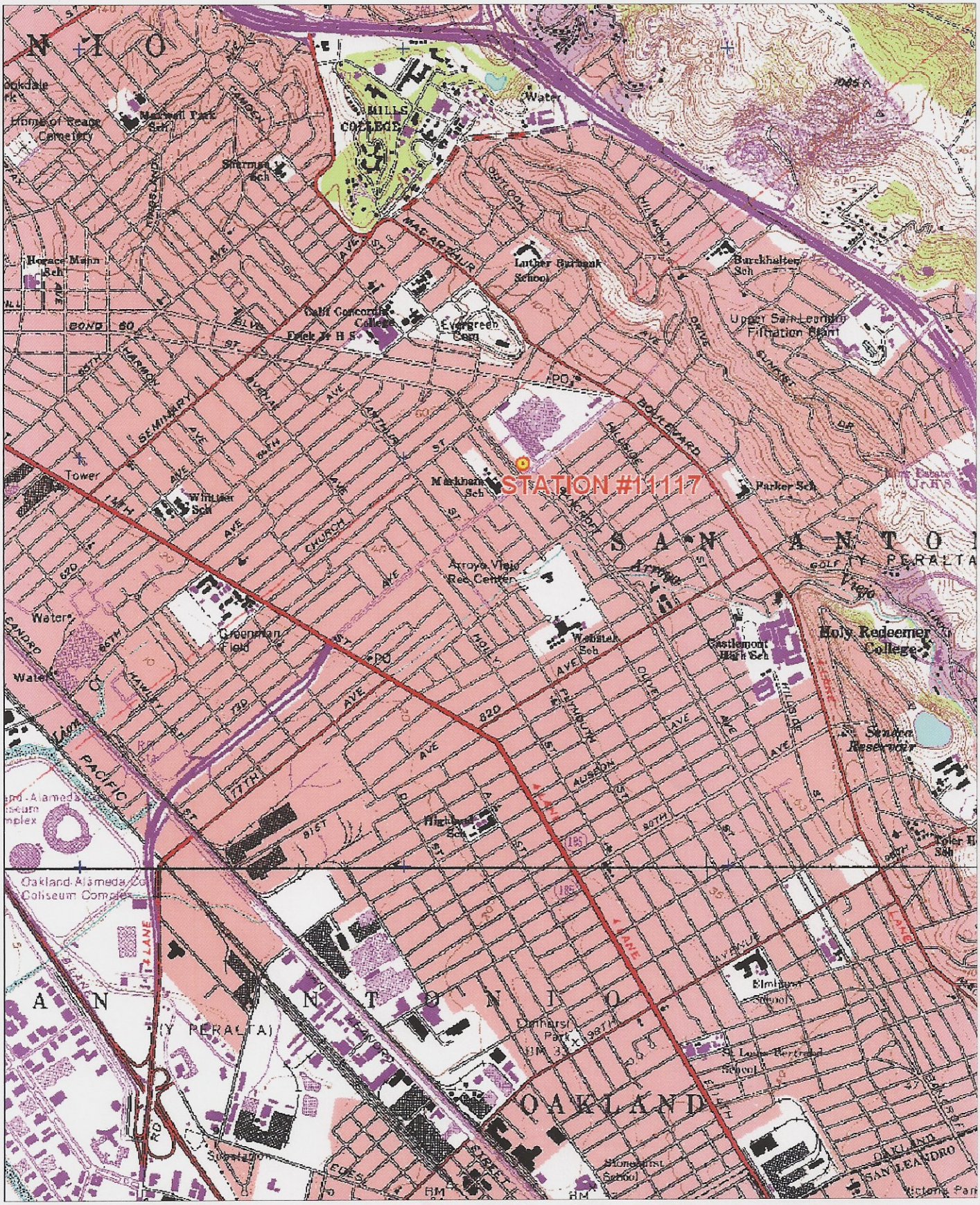
detected MTBE concentration in the sample collected from well EX-1 reached a historic minimum value of 370 µg/L and the detected MTBE concentration in the sample collected from well EX-2 reached an historic maximum value of 140 µg/L; The detected TBA concentrations in the samples collected from well MW-4 and well EX-1 reached historic maximums of 5,700 µg/L and 1,900 µg/L, respectively. Historic laboratory analytical results are summarized in Table 1 and Table 2. Copies of the Laboratory Analytical Reports, including chain-of-custody documentation are provided in Appendix A and Appendix B. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 5. Drawing 6 presents a map showing approximate GRO iso-concentration contours. Drawing 7 presents a map showing approximate Benzene iso-concentration contours. Drawing 8 presents a map showing approximate MTBE iso-concentration contours. Fourth Quarter 2007 ground-water monitoring data (GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 Database. Upload confirmation pages have been provided in Appendix C.

4.0 CONCLUSIONS AND RECOMMENDATIONS

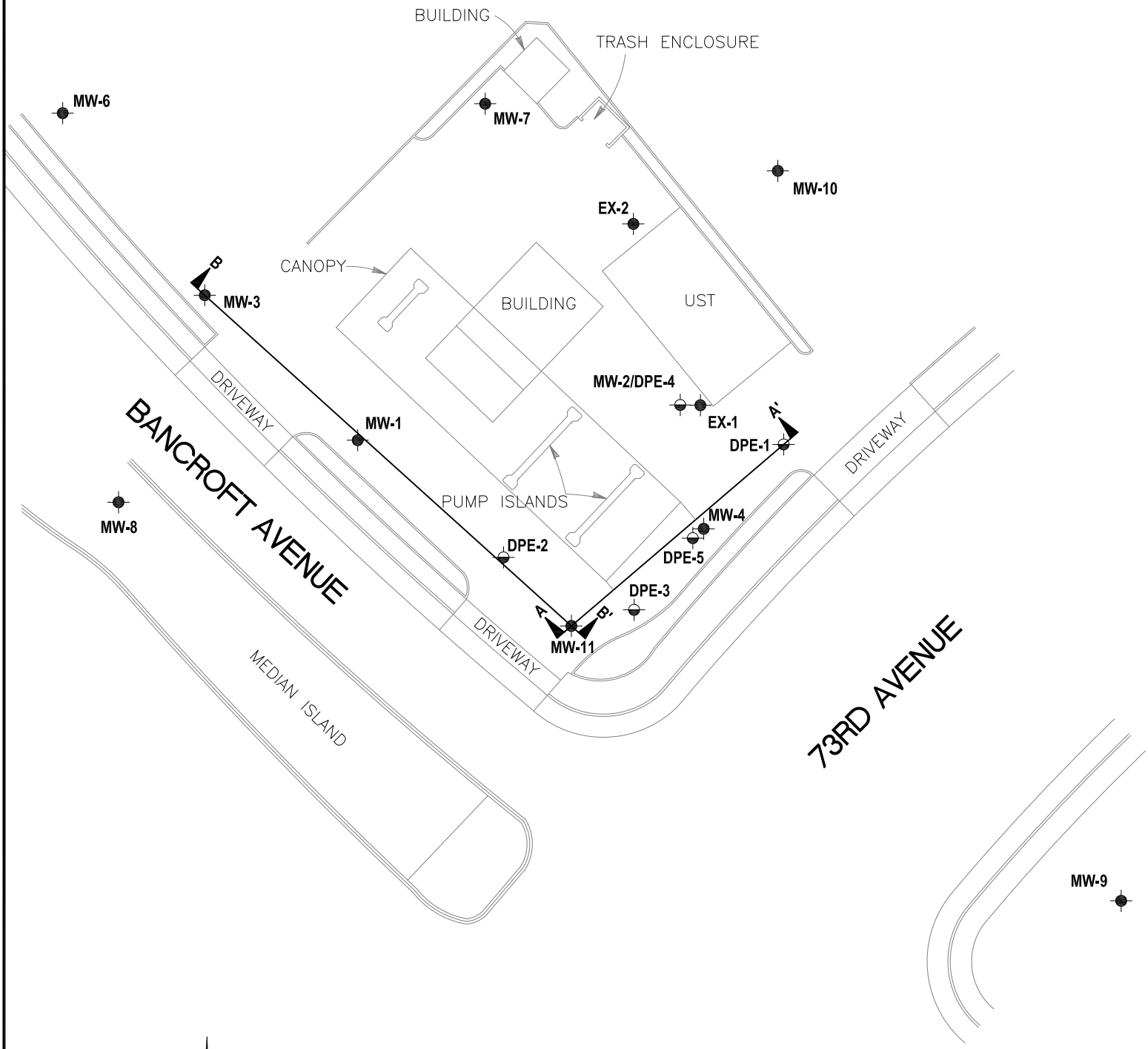
BAI concludes that the objectives of the investigation were fulfilled, namely to further assist remediation and construction of the DPE system as originally proposed in the previous *Soil & Ground-Water Investigation Report* (BAI, 15 June 2007), as amended with comments by ACEH in their letter dated 11 October 2007. BAI recommends that monitoring well MW-11 be incorporated into the quarterly monitoring and sampling schedule for Station #11117. In addition, until connected to the remediation system, BAI recommends that wells DPE-1 through DPE-5 be temporarily incorporated into the quarterly monitoring and sampling schedule for Station #11117. The same procedures and analyses used for the existing wells onsite should also be performed on samples collected from MW-11 and DPE-1 through DPE-5. Samples would be submitted under chain-of-custody protocol to a state-certified environmental laboratory. Samples shall be analyzed for GRO, BTEX, TAME, TBA, DIPE, EDB, 1,2-DCA, Ethanol, ETBE, and MTBE by EPA Method 8260B. BAI shall attempt to contact ACEH to discuss incorporation of the new wells into the sampling schedule prior to the next routine sampling/monitoring event scheduled for First Quarter 2008.

5.0 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 ground water 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: 1/14/08	Station #11117 7210 Bancroft Avenue Oakland, California	Site Location Map	Figure 1



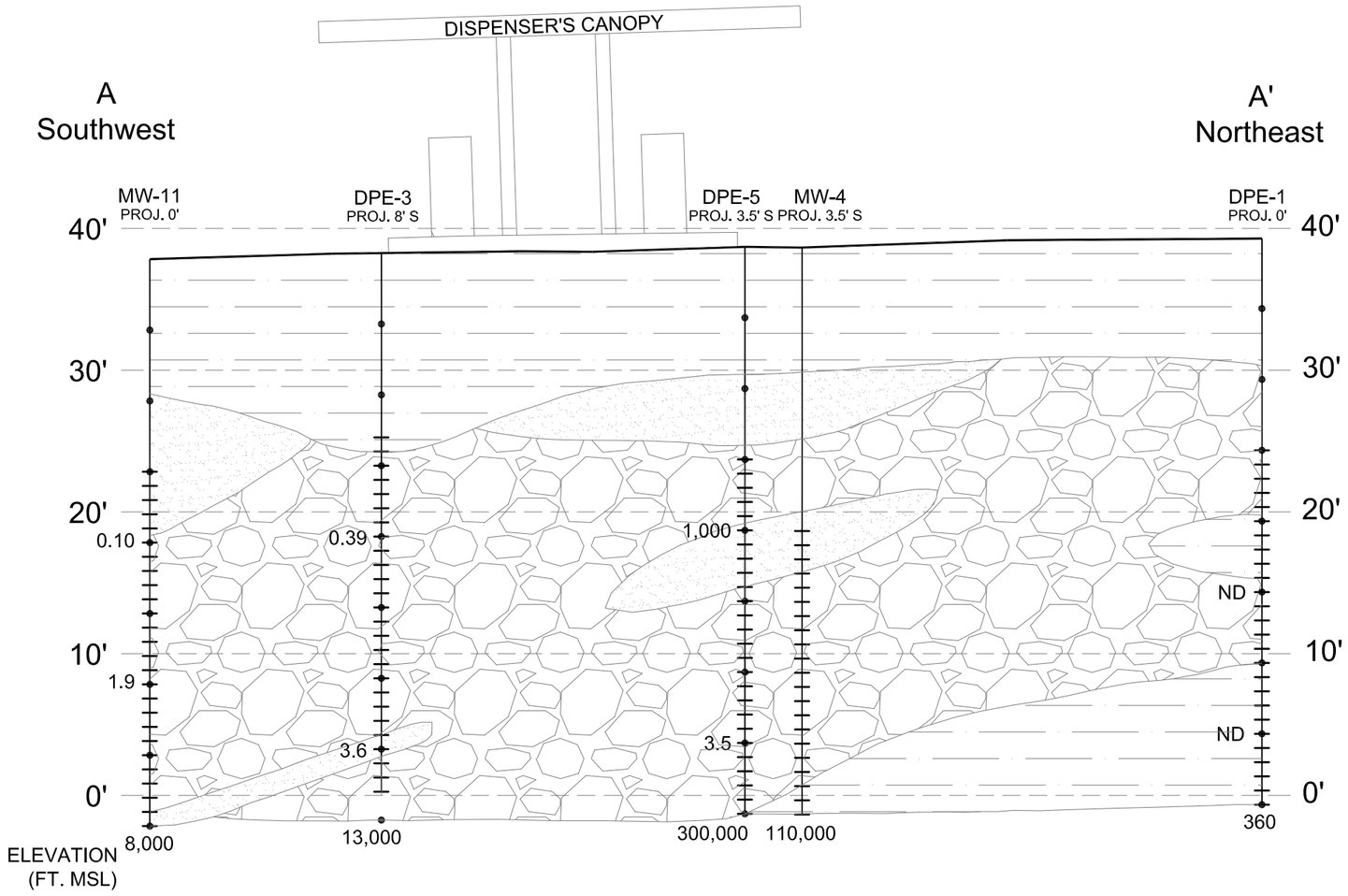
LEGEND

- Monitoring well location
- DPE well location

BROADBENT & ASSOCIATES, INC. ENGINEERING, WATER RESOURCES & ENVIRONMENTAL 1324 Mangrove Ave. Suite 212, Chico, California 95926 Project No.: 06-08-649 Date: 1/14/08	Station #11117 7210 Bancroft Avenue Oakland, California	Site Map with Locations of Monitoring and Remediation Wells

Drawing

2



GC/GM - Gravels

CL - Clays

SM/SP/SW/SC - Sands

Concentrations of TPH-G/GRO in soil samples (mg/kg) shown to left of boring
Concentrations of GRO in ground-water well samples (µg/L) shown below well

0 10 20
SCALE (ft)

Figure 3

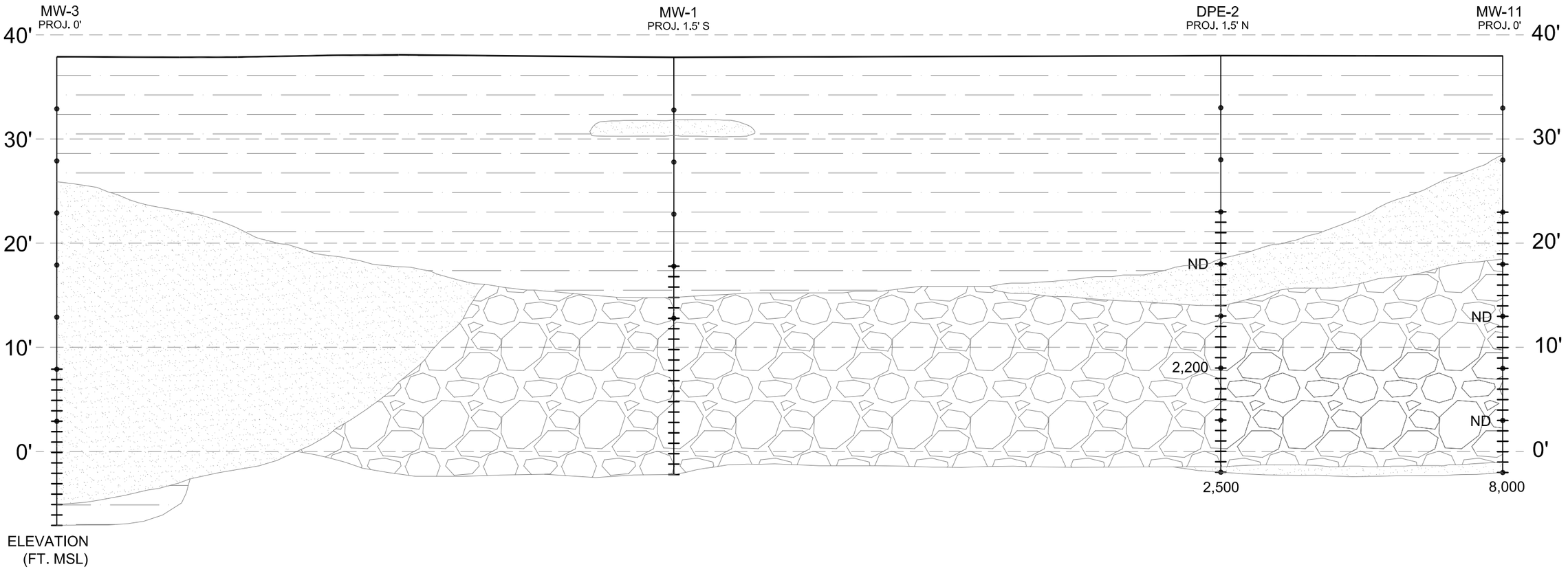
Geologic Cross-Section A-A'
Southwest to Northeast

Former Station #11117
7210 Bancroft Avenue
Oakland, California

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, CA
Project No.: 06-08-649 Date: 2/14/08

B
Northwest

B'
Southeast



GC/GM - Gravels

CL - Clays

SM/SP/SW/SC - Sands

Concentrations of TPH-G/GRO in soil samples (mg/kg) shown to left of boring
Concentrations of GRO in ground-water well samples (µg/L) shown below well

0 10 20
SCALE (ft)

Figure 4

Geologic Cross-Section B-B'
Northwest to Southeast

Former Station #11117
7210 Bancroft Avenue
Oakland, California

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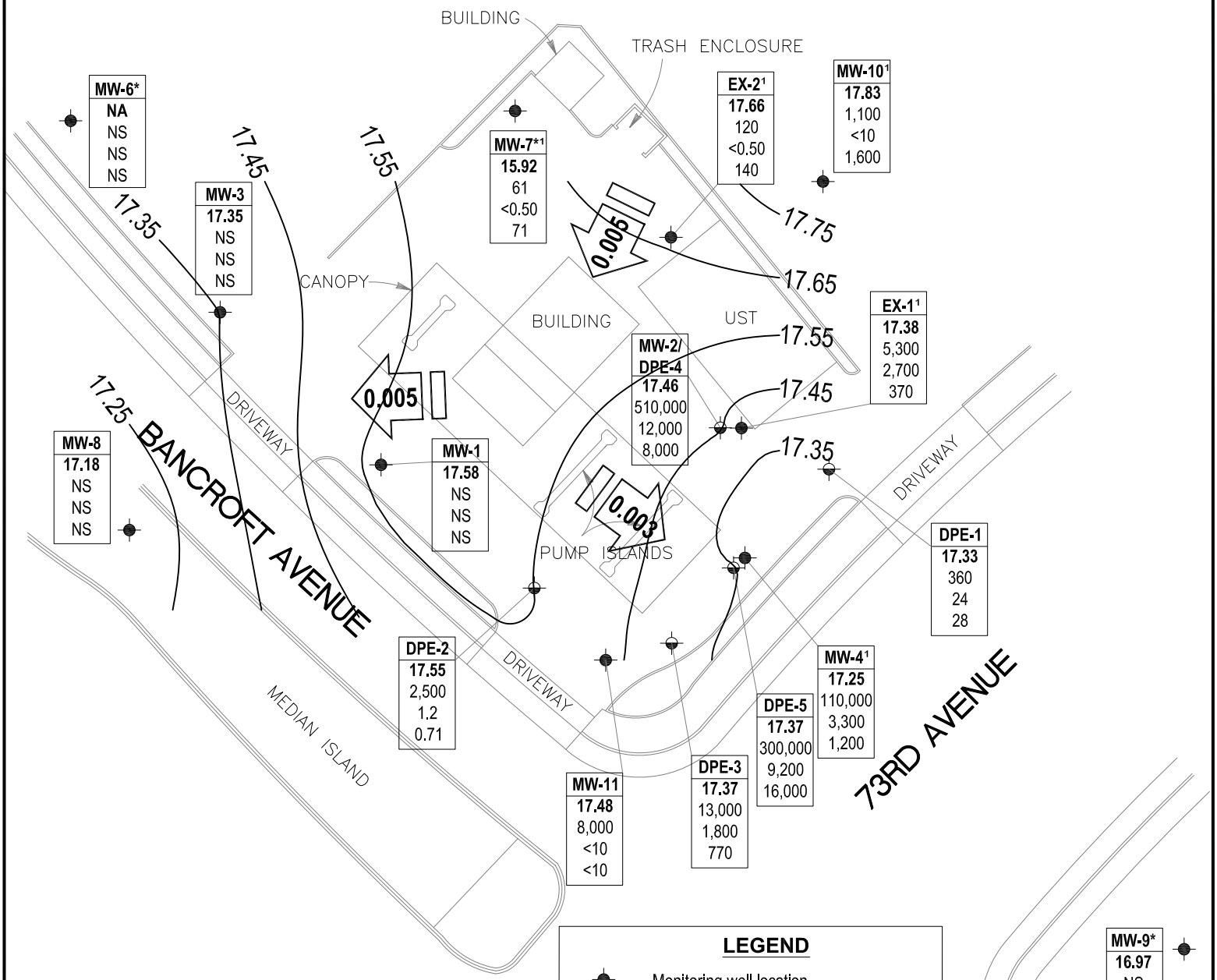
Project No.: 06-08-649 Date: 2/14/08



LEGEND

- Monitoring well location
- DPE well location
- Well / ELEV / GRO / Benzene / MTBE — Well designation; Ground-water elevation (ft/MSL) 12/14/07; GRO, Benzene and MTBE concentrations in micrograms per liter (µg/L) 12/14/07
- 1 — Concentrations from 11/9/07
- 0.003 — Ground-water flow gradient and direction (ft/ft)
- 17.25 — Ground-water elevation contour (ft/MSL)
- < — Not detected at or above laboratory reporting limit
- NM — Not measured
- NS — Not sampled
- NA — Not available, well elevation not surveyed
- * — Elevation not used for contours

N

0 40 80

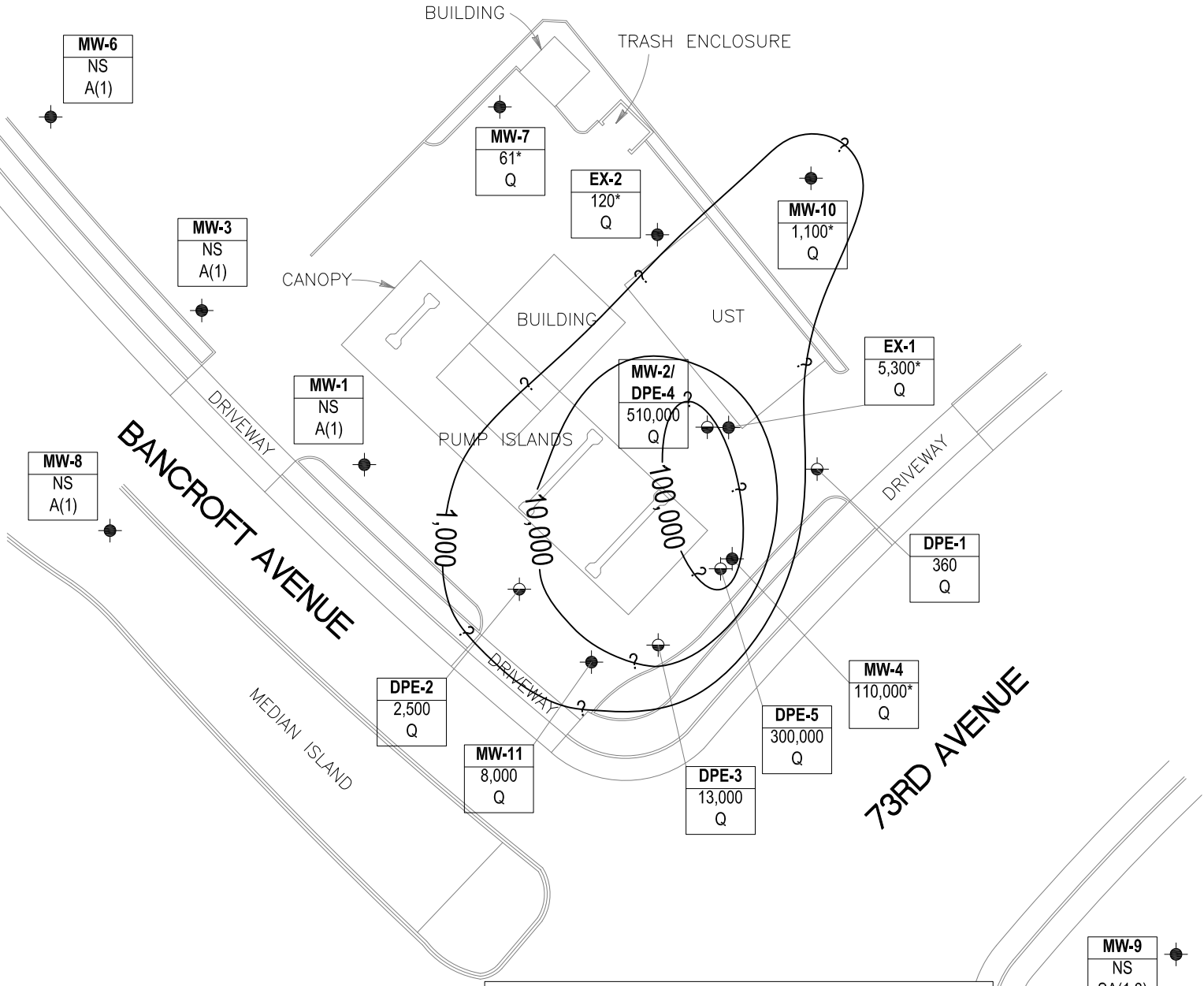
SCALE (ft)

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926
Project No.: 06-08-649 Date: 2/21/08

Station #11117
7210 Bancroft Avenue
Oakland, California

Ground-Water Elevation Contours and Analytical Summary Map
9 November 2007 and
14 December 2007

Drawing
5



LEGEND

- Monitoring well location
- DPE well location
- Well / GRO / A/Q/SA — Well designation; GRO concentrations (12/14/2007) in micrograms per liter (µg/L); Sampling frequency
- * — Sample collected 11/9/2007
- 1,000 — Approximate GRO iso-concentration contour in micrograms per liter (µg/L). Contour interval = logarithmic.
- Q — Sampled quarterly
- SA(1,3) — Sampled semi-annually, 1st and 3rd quarter
- A(1) — Sampled annually, 1st quarter
- < — Not detected at or above laboratory reporting limit
- NS — Not sampled
- ? — Contours within regions not bounded by monitoring points. All contours depicted are approximate.

N

0 40 80

SCALE (ft)

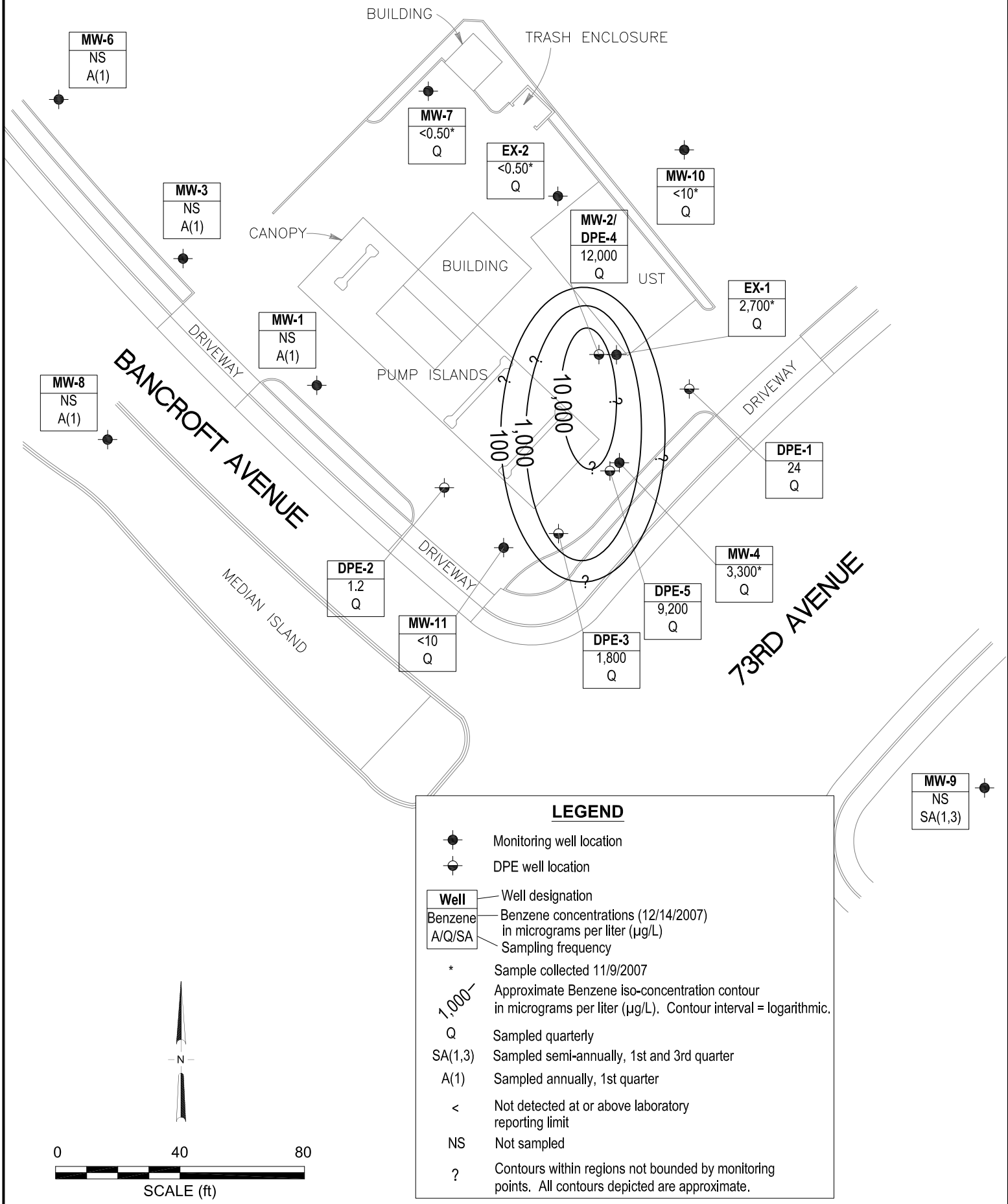
BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926

Project No.: 06-08-649 Date: 2/25/08

Station #11117
7210 Bancroft Avenue
Oakland, California

Gasoline Range Organics
Iso-Concentration Contours Map
9 November 2007 and
14 December 2007

Drawing
6

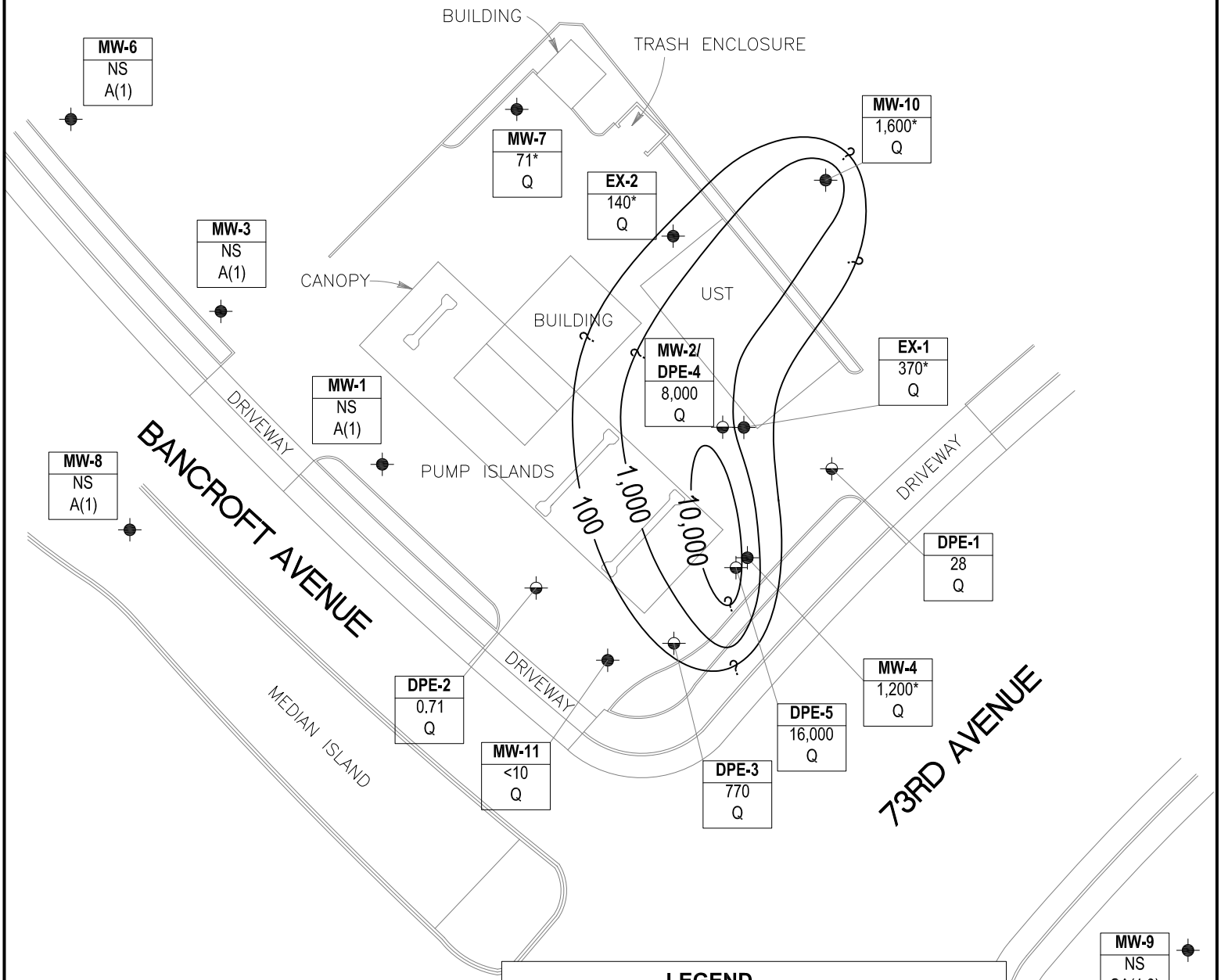


BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926
Project No.: 06-08-649 Date: 2/25/08

Station #11117
7210 Bancroft Avenue
Oakland, California

Benzene Iso-Concentration Contours Map
9 November 2007 and
14 December 2007

Drawing
7



LEGEND

- Monitoring well location
- DPE well location
- Well / MTBE / A/Q/SA — Well designation; MTBE concentrations (12/14/2007) in micrograms per liter (µg/L); Sampling frequency
- * — Sample collected 11/9/2007
- 1,000 — Approximate MTBE iso-concentration contour in micrograms per liter (µg/L). Contour interval = logarithmic.
- Q — Sampled quarterly
- SA(1,3) — Sampled semi-annually, 1st and 3rd quarter
- A(1) — Sampled annually, 1st quarter
- < — Not detected at or above laboratory reporting limit
- NS — Not sampled
- ? — Contours within regions not bounded by monitoring points. All contours depicted are approximate.

N

0 40 80

SCALE (ft)

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926

Project No.: 06-08-649 Date: 2/25/08

Station #11117
7210 Bancroft Avenue
Oakland, California

MTBE Iso-Concentration Contours Map
9 November 2007 and
14 December 2007

Drawing
8

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
DPE-1															
12/14/2007	**--**	**38.95**	**21.62**	**--**	**17.33**	**360**	**24**	**<0.50**	**3.4**	**<0.50**	**28**	**1.73**	**TAMC**	**--**	**z**
DPE-2															
12/14/2007	**--**	**37.64**	**20.09**	**--**	**17.55**	**2,500**	**1.2**	**0.99**	**12**	**32**	**0.71**	**1.78**	**TAMC**	**--**	**z**
DPE-3															
12/14/2007	**--**	**37.82**	**20.45**	**--**	**17.37**	**13,000**	**1,800**	**840**	**830**	**1,200**	**770**	**1.14**	**TAMC**	**--**	**z**
DPE-4															
12/14/2007	**--**	**38.46**	**21.00**	**--**	**17.46**	**510,000**	**12,000**	**27,000**	**4,900**	**27,000**	**8,000**	**1.79**	**TAMC**	**--**	**z**
DPE-5															
12/14/2007	**--**	**38.23**	**20.86**	**--**	**17.37**	**300,000**	**9,200**	**4,100**	**4,600**	**20,000**	**16,000**	**1.82**	**TAMC**	**--**	**z**
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	
5/25/2007	P	--	17.04	--	--	8,600	2,100	88	700	1,400	890	2.96	TAMC	6.95	
8/9/2007	NP	--	19.76	--	--	4,800	870	40	230	460	530	0.26	TAMC	7.01	
11/9/2007	**P**	**--**	**21.57**	**--**	**--**	**5,300**	**2,700**	**29**	**220**	**200**	**370**	**1.50**	**TAMC**	**7.12**	
12/14/2007	**--**	**38.98**	**21.60**	**--**	**17.38**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**z**

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
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	s
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	
5/25/2007	P	--	17.23	0.01	--	<50	<0.50	<0.50	<0.50	<0.50	10	2.99	TAMC	7.30	
8/9/2007	P	--	20.40	--	--	<50	<0.50	<0.50	<0.50	<0.50	27	1.14	TAMC	7.19	
11/9/2007	**P**	**--**	**22.07**	**--**	**--**	**120**	**<0.50**	**0.53**	**0.57**	**2.7**	**140**	**4.01**	**TAMC**	**7.37**	
12/14/2007	--	**39.63**	**21.97**	--	**17.66**	--	--	--	--	--	--	--	--	--	**z**
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	--	--	--	--	
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	--	49.80	31.26	--	18.54	27,000	1,700	580	700	1,900	--	--	ANA	--	c
12/15/1992	--	--	--	--	--	22,000	1,500	440	510	1,300	--	--	ANA	--	d
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	--	49.80	25.01	--	24.79	750	0.8	0.8	<0.5	<0.5	--	--	PACE	--	l

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
6/7/1993	--	--	--	--	--	720	0.7	0.7	<0.5	<0.5	--	--	PACE	--	d, 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	--	
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	--	

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
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	--	--	--	--	--	--	--	--	--	
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	
5/25/2007	--	49.80	15.59	--	34.21	--	--	--	--	--	--	--	--	--	
8/9/2007	--	49.80	18.38	--	31.42	--	--	--	--	--	--	--	--	--	

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
11/9/2007	--	**49.80**	**20.00**	--	**29.80**	--	--	--	--	--	--	--	--	--	
12/14/2007	--	**37.41**	**19.83**	--	**17.58**	--	--	--	--	--	--	--	--	--	**z**
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	--	
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	--	

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-2 Cont.															
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	--	51.07	21.22	0.01	29.84	420,000	23,000	29,000	5,800	43,000	75,000	4.0	SPL	--	
1/9/1998	--	--	--	--	--	300,000	20,000	25,000	5,200	37,000	84,000	--	SPL	--	d
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	
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	

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

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						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-2 Cont.															
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	
5/25/2007	P	51.07	16.80	SHEEN	34.27	62,000	7,400	9,500	4,100	15,000	3,400	0.10	TAMC	6.83	
8/9/2007	P	51.07	19.55	SHEEN	31.52	58,000	7,400	5,000	3,800	12,000	4,100	0.72	TAMC	7.01	
11/9/2007	**P**	**51.07**	**21.53**	**--**	**29.54**	**49,000**	**6,300**	**3,300**	**2,900**	**8,300**	**9,500**	**1.05**	**TAMC**	**7.10**	
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	15.3	--	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

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

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						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
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	--	
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	--	49.95	15.88	--	34.07	51	<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
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	--	

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

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						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
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	11	--	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	
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	
5/25/2007	--	49.95	15.94	--	34.01	--	--	--	--	--	--	--	--	--	
8/9/2007	--	49.95	18.70	--	31.25	--	--	--	--	--	--	--	--	--	
11/9/2007	--	**49.95**	**20.27**	--	**29.68**	--	--	--	--	--	--	--	--	--	
12/14/2007	--	**37.56**	**20.21**	--	**17.35**	--	--	--	--	--	--	--	--	--	**z**
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

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
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	--	--	--	--	--	59,000	5,300	10,000	2,200	8,400	309	--	PACE	--	d
9/24/1993	--	50.76	--	--	--	68,000	11,000	2,100	8,600	990	390	--	PACE	--	l
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	--	--	--	--	--	51,000	7,400	13,000	2,100	9,100	773	--	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
1/25/1995	--	--	--	--	--	28,000	4,200	12,000	1,500	7,800	--	--	ATI	--	d, l
1/25/1995	--	50.76	21.85	--	28.91	26,000	3,600	9,600	1,200	6,400	--	--	ATI	--	
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	--	50.76	25.34	--	25.42	46,000	3,500	8,300	1,100	8,000	3,000	3.3	ATI	--	
1/12/1996	--	--	--	--	--	40,000	3,500	9,000	1,200	8,700	4,300	--	ATI	--	d
4/22/1996	--	--	--	--	--	61,000	8,300	16,000	1,600	15,200	36,000	--	SPL	--	d
4/22/1996	--	50.76	19.13	--	31.63	40,000	5,100	9,600	980	11,800	29,000	3.2	SPL	--	
7/2/1996	--	--	--	--	--	78,000	9,800	21,000	1,900	15,300	42,000	--	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	--	
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	--	--	--	--	--	--	--	--	--	

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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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
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	--	--	--	--	--	440,000	8,000	39,000	14,000	70,000	<5000	--	SPL	--	d
5/6/1998	--	50.76	15.96	--	34.80	430,000	6,900	31,000	11,000	56,000	<5000	3.9	SPL	--	
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	--	
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	

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

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
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	
5/25/2007	P	50.76	16.65	SHEEN	34.11	37,000	5,100	1,200	2,800	6,900	3,500	1.13	TAMC	6.82	
8/9/2007	P	50.76	19.29	--	31.47	180,000	5,600	7,700	5,700	21,000	2,900	0.72	TAMC	7.02	y (XYLENES)
11/9/2007	**P**	**50.76**	**21.27**	**SHEEN**	**29.49**	**110,000**	**3,300**	**2,400**	**3,600**	**13,000**	**1,200**	**0.73**	**TAMC**	**7.07**	**s**
12/14/2007	**--**	**38.35**	**21.10**	**--**	**17.25**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**z**
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	55.4	--	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	--	

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-6 Cont.															
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	--	--	--	--	--	--	--	--	--	
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	--	

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-6 Cont.															
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	--	--	--	--	--	--	--	--	--	
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	
5/25/2007	--	50.32	16.38	--	33.94	--	--	--	--	--	--	--	--	--	
8/9/2007	--	50.32	19.15	--	31.17	--	--	--	--	--	--	--	--	--	
11/9/2007	--	**50.32**	**20.70**	--	**29.62**	--	--	--	--	--	--	--	--	--	
12/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**Unable to survey**
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	--	

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-7 Cont.															
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	--	
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

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-7 Cont.															
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
5/25/2007	P	51.40	17.20	--	34.20	70	<1.0	<1.0	<1.0	<1.0	93	1.13	TAMC	7.41	w
8/9/2007	P	51.40	19.95	--	31.45	<50	<0.50	<0.50	<0.50	<0.50	42	1.94	TAMC	7.55	
11/9/2007	**P**	**51.40**	**23.28**	**--**	**28.12**	**61**	**<0.50**	**<0.50**	**<0.50**	**1.3**	**71**	**2.13**	**TAMC**	**8.57**	
12/14/2007	**--**	**38.99**	**23.07**	**--**	**15.92**	--	--	--	--	--	--	--	--	--	**z**
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	--	
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	--	

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-8 Cont.															
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	--	--	--	--	--	--	--	--	--	
08/31/2004	--	50.88	18.08	--	32.80	--	--	--	--	--	--	--	--	--	
11/23/2004	NP	50.88	15.77	--	35.11	--	--	--	--	--	--	--	--	--	

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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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-8 Cont.															
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	
5/25/2007	--	50.88	16.11	--	34.77	--	--	--	--	--	--	--	--	--	
8/9/2007	--	50.88	19.25	--	31.63	--	--	--	--	--	--	--	--	--	
11/9/2007	--	**50.88**	**20.92**	--	**29.96**	--	--	--	--	--	--	--	--	--	
12/14/2007	--	**38.44**	**21.26**	--	**17.18**	--	--	--	--	--	--	--	--	--	**z**
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	--	

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						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-9 Cont.															
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
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	

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-9 Cont.															
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	
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	
5/25/2007	--	51.05	17.28	--	33.77	--	--	--	--	--	--	--	--	--	
8/9/2007	P	51.05	19.71	--	31.34	650	150	<0.50	<0.50	2.0	1.4	1.07	TAMC	7.58	
11/9/2007	--	**51.05**	**21.62**	--	**29.43**	--	--	--	--	--	--	--	--	--	
12/14/2007	--	**38.63**	**21.66**	--	**16.97**	--	--	--	--	--	--	--	--	--	**z**
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

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-10 Cont.															
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	
11/23/2004	P	--	19.79	--	--	2,600	<25	<25	<25	<25	2,300	--	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	
5/25/2007	P	--	18.15	--	--	130	<0.50	<0.50	<0.50	<0.50	170	0.51	TAMC	7.00	w
8/9/2007	P	--	20.83	--	--	970	<10	<10	<10	<10	1,600	0.74	TAMC	7.24	
11/9/2007	**P**	**--**	**22.53**	**--**	**--**	**1,100**	**<10**	**<10**	**<10**	**13**	**1,600**	**1.83**	**TAMC**	**7.31**	
12/14/2007	**--**	**40.45**	**22.62**	**--**	**17.83**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**z**
MW-11															
12/14/2007	**--**	**37.64**	**20.16**	**--**	**17.48**	**8,000**	**<10**	**72**	**230**	**760**	**<10**	**1.66**	**TAMC**	**--**	**z**
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

Table 1. 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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
QC-2 Cont.															
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.
y = Sample > 4x spike concentration.
z = Site resurveyed on 3 December 2007.

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 2. 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	
DPE-1									
12/14/2007	**<300**	**1,300**	**28**	**<0.50**	**3.4**	**<0.50**	**<0.50**	**<0.50**	
DPE-2									
12/14/2007	**<300**	**<20**	**0.71**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
DPE-3									
12/14/2007	**<15,000**	**1,700**	**770**	**<25**	**<25**	**<25**	**<25**	**<25**	
DPE-4									
12/14/2007	**<300,000**	**<20,000**	**8,000**	**<500**	**<500**	**<500**	**<500**	**<500**	
DPE-5									
12/14/2007	**<300,000**	**<20,000**	**16,000**	**<500**	**<500**	**<500**	**<500**	**<500**	
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	
5/25/2007	<30,000	<2,000	890	<50	<50	<50	<50	<50	
8/9/2007	<6,000	440	530	<10	<10	15	<10	<10	
11/9/2007	**<15,000**	**1,900**	**370**	**<25**	**<25**	**<25**	**<25**	**<25**	
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	

Table 2. 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-2 Cont.									
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	
5/25/2007	<300	<20	10	<0.50	<0.50	<0.50	<0.50	<0.50	
8/9/2007	<300	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	
11/9/2007	**<300**	**<20**	**140**	**<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	
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

Table 2. 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-2 Cont.									
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	
5/25/2007	<120,000	<8,000	3,400	<200	<200	<200	<200	<200	
8/9/2007	<60,000	<4,000	4,100	<100	<100	<100	<100	<100	
11/9/2007	**<60,000**	**<4,000**	**9,500**	**<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	--	--	
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

Table 2. 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.									
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	
5/25/2007	<120,000	<8,000	3,500	<200	<200	<200	<200	<200	
8/9/2007	<60,000	4,100	2,900	<100	<100	<100	<100	<100	
11/9/2007	**<60,000**	**5,700**	**1,200**	**<100**	**<100**	**<100**	**<100**	**<100**	
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	
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	9.1	<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	

Table 2. 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.									
5/25/2007	<600	<40	93	<1.0	<1.0	<1.0	<1.0	<1.0	
8/9/2007	<300	<20	42	<0.50	<0.50	<0.50	<0.50	<0.50	
11/9/2007	**<300**	**<20**	**71**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
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	
8/9/2007	<300	790	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
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	
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

Table 2. 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.									
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	
5/25/2007	<300	<20	170	<0.50	<0.50	0.69	<0.50	<0.50	
8/9/2007	<6,000	<400	1,600	<10	<10	<10	<10	<10	
11/9/2007	**<6,000**	**<400**	**1,600**	**<10**	**<10**	**<10**	**<10**	**<10**	
MW-11									
12/14/2007	**<6,000**	**<400**	**<10**	**<10**	**<10**	**<10**	**<10**	**<10**	

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 3. 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
5/25/2007	North	0.005
8/9/2007	Northwest	0.002
11/9/2007	**North**	**0.02**
12/14/2007	**Southwest, Southeast**	**0.005, 0.003**

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 WELL INSTALLATION DATA PACKAGE
(Includes Field Data Sheets, Lithologic Boring Logs, Well Construction Logs, Surveying Data, Well Development Data, Initial Well Sampling Data, and Laboratory Analytical Reports 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

January 9, 2008

Mr. Tom Venus
Broadbent & Associates, Inc.
1324 Mangrove Avenue
Chico, California 95926

Re: Well Installation Data Package, Former BP Service Station No. 11117, located at 7210 Bancroft Avenue, Oakland, California (assessment activities performed between November 12 and November 21, 2007)

General Information

Data Submittal Prepared / Reviewed by: Collin Fischer and Scott Bittinger / Jay Johnson
Phone Number: (530) 676-2062 / (530) 676-6000

Date: November 5, 2007 *Arrival:* 07:45 *Departure:* 11:15
On-Site Supplier Representative: Collin Fischer
Scope of Work Performed: Health and safety meeting. Locate utilities with utility locating subcontractor.
Variations from Work Scope: None noted.
Weather Conditions: Sunny, clear
Unusual Field Conditions: None noted

Date: November 12, 2007 *Arrival:* 07:30 *Departure:* 16:00
On-Site Supplier Representative: Collin Fischer
Scope of Work Performed: Health and safety meeting. Clear 3 boring locations to 5' bgs with air knife.
Variations from Work Scope: The location of well DPE-5 will be modified (based on location of underground utilities and discussion with scoping contractor). MW-12 will not be installed.
Weather Conditions: Sunny, clear
Unusual Field Conditions: None noted

Date: November 13, 2007 *Arrival:* 06:15 *Departure:* 16:45
On-Site Supplier Representative: Collin Fischer
Scope of Work Performed: Health and safety meeting. Clear 3 boring locations to 5' bgs with air knife.
Variations from Work Scope: None noted
Weather Conditions: Sunny, clear
Unusual Field Conditions: None noted

Date: November 14, 2007 *Arrival:* 06:30 *Departure:* 09:15
On-Site Supplier Representative: Collin Fischer
Scope of Work Performed: Health and safety meeting. Clear 1 boring to 5' bgs with air knife.
Variations from Work Scope: None noted
Weather Conditions: Sunny, clear
Unusual Field Conditions: None noted

Date: November 19, 2007 *Arrival:* 07:00 *Departure:* 17:00
On-Site Supplier Representative: Collin Fischer and David Demello
Scope of Work Performed: Health and safety meeting. Installed 2 extraction wells (DPE-1 and DPE-4) and destroyed 1 monitoring well (MW-2) by overdrilling.
Variations from Work Scope: None noted
Weather Conditions: Partly cloudy
Unusual Field Conditions: None noted

Date: November 20, 2007 *Arrival:* 07:30 *Departure:* 17:00
On-Site Supplier Representative: Collin Fischer and David Demello
Scope of Work Performed: Health and safety meeting. Installed 1 extraction well and 1 monitoring well (DPE-3 and MW-11).
Variations from Work Scope: None noted
Weather Conditions: Sunny, clear
Unusual Field Conditions: None noted

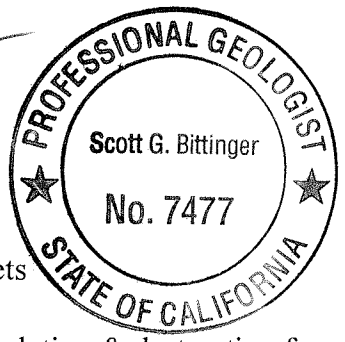
Date: November 21, 2007 *Arrival:* 07:00 *Departure:* 17:30
On-Site Supplier Representative: Collin Fischer and David Demello
Scope of Work Performed: Health and safety meeting. Installed 2 extraction wells (DPE-2 and DPE-5).
Variations from Work Scope: None noted
Weather Conditions: Sunny, clear
Unusual Field Conditions: None noted

This submittal presents the tabulation of data collected in association with the installation of 5 DPE wells and one monitoring well. The attachments include field data sheets, boring logs, drilling permit, site plan, chain of custody documentation and certified analytical results. 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.

Scott Bittinger
Project Geologist



Jay R. Johnson, P.G.
Project Manager

Attachments:

- Field Data Sheets
- Boring Logs
- DWR well completion & destruction forms
- Site Plan
- Drilling Permit
- Site Survey Plot Plan
- Chain-of-Custody Documentation
- Certified Analytical Results

Cc: Paul Supple, BP/Arco

11/05/07

ARCO 11117 - Collin Fischer

Sunny Clear

0745 ONSITE, WAIT FOR CRUZ BROTHERS, GET PHONE CALL, THEY WILL BE 1/2 HOUR LATE

0915 CRUZ BROTHERS ARRIVES 1.25 HOURS LATE, SAFETY MEETING

1045 LOCATE UTILITIES ? 8 LOCATIONS, NO GPR, (EXT-L ALREADY INSTALLED)?

1115 OFFSITE

USA TICKET #: 417214
EXP DATE: 12/3/07
DATE ONSITE: 11/5/07

Collin Fischer

Collin Fischer

STRATUS ENV. INC

Ginny
Clear
11/12/07

ARCO 11117 - COLLIN FISCHER

0730 ONSITE

0800 WOODWARD ARRIVES, SAFETY MEETING, SITE WALK

0900 START ON DPE-1

1045 DPE-1 CLEARED TO 5' BGS, MOVE TO & START MW-11

1200 SMALL WATER OPENING (CARST) FOUND @ ~3.5-4' BGS IN MW-11
HOLE WAS OPENED WIDER TO INVESTIGATE H2O RUNNING IN
H2O DETERMINED TO BE RUNOFF, CLEARED TO 5' BGS.

1230 MOVE TO MW-12, START MW-12, PATCH SUPPLIER ARRIVES

1240 ROB MILLER FROM BROADBENT ARRIVES,

1300 BEGIN MW-12, CLEAR TO 5' & PATCH

1445 DONE W/ MW-12, CLEANUP, & JACKHAMMER DPE-3

1515 CLEANUP

1600 OFFSITE

[signature]

STRATUS ENV., INC.

Partly cloudy
sunny
11/13/07

ARCO 11117 - Collin Fischer

0615 onsite

0645 Woodward arrives, safety meeting, fill up tank w/ H_2O

0700 Begin work, on DPE-4 (former MW-2)
Air knife & install 5' conductor casing.

0930 Ran out of H_2O for H_2O-knife, fill up

0950 Resume work on DPE-4

1145 Done w/ DPE-4, 5' conductor installed, move to DPE-5

1445 Done w/ DPE-5 move to DPE-2

1615 Done w/ DPE-2, patch ~~& move to DPE-3~~
Cleanup

1645 Offsite

[signature]

Stratus Env., Inc.

9/14/07
Sunny
Clear

ARCO 11117 - Collin Fischer

0630 ONSITE

0700 WOODWARD ARRIVES, SAFETY MEETING

0715 START ON DPE-3

0850 Cleaned to 5' BGS.

0900 Clean up, Patch

0915 offsite.

Collin Fischer

STRATUS ENV., INC.

PARTLY CLOUDY
11/19/07

ARCO 1117 - Collin Fischer
DAVID DEMELLO

0760 ONSITE
0800 WOODWARD ARRIVES, SAFETY MEETING, SITE WALK
0820 SET UP ON DPE-4, START DRILLING
OVERDRILL 2" WELL TO 45' BGS
INSTALL 4" WELL TO 40' BGS

1015 DPE-4 WELL SET @ 40'

SAND 45'-13'
SCREEN 40'-15'
BENTONITE 13'-10'
GROUT 10'-0'

1200 DECON AUGERS & MOVE TO DPE-1
1240 START DRILLING
1400 WELL SET @ 40'

SAND 40-13
SCREEN 40-15
BENT 13-10
GROUT 10-0

1515 START MIXING & POUR, CLEAN AUGERS
1545 GROUT HOLES
~~CLEAN UP~~
1600 CLEANUP
1700 OFFSITE

Collin Fischer

STRATUS ENV., INC.

SUNNY
CLEAR

11/20/07

ARCO 11117 - COLLIN FISCHER
DAVID PERMELLO

[illegible] ONSITE, SAFETY MEETING, SET UP
0950 START DRILLING MW-11
1130 DRILLED TO 40'
1200 SET WELL @ 40'

SCREEN 40-15
SAND 40-13
BENT 13-10
GROUT 10-0

~~+~~ GO AHEAD GIVEN BY ALAMEDA COUNTY TO GROUT.

1300 MOVE TO DPE-3, SET UP
1320 START DRILLING DPE-3
1500 DRILLED TO 40'
1545 SET WELL @ 40'
1615 CLEANUP
1700 OFFSITE

38-13
SCREEN ~~[illegible]~~
SAND ~~[illegible]~~ 40-11
BENT ~~[illegible]~~ 11-8
GROUT ~~[illegible]~~ 8-0

Collin Fischer
STRATUS ENV., INC.

SUNNY
CLEAR
11/21/07

ARCO 1117 - Colton Fisher
DAVID DAMRON

0700 ONSITE, SAFETY MEETING, SET UP ON DPE-2.
0745 START DRILLING, EXCLUSION SET UP ETC.
0830 START SAMPLING.
0945 DRILLED TO 40' SET WELL

SAND 40-13
SCREEN 40-15
BENT 13-10
GROUT 10-0

1115 DECON ANIMALS, CLEANUP, SET BOXES
1200 MOVE TO DPE-5
1230 START DRILLING
1300 START SAMPLING
1400 DRILLED TO 40' SET WELL

SAND 40-13
SCREEN 40-15
BENT 13-10
GROUT 10-0

1500 CLEANUP SET BOX
1600 DECON, ORGANIZE DRUMS
1730 OFFSITE

47 DRUMS

~37 SOIL
~10 H2O

STRATUS ENV., INC.

SOIL BORING LOG **Boring No. MW-11** **Sheet: 1 of 2**

Client	ARCO 11117	Date	November 20, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 40 ft. to 13 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 15 ft. to 40 ft.
	bent.: 13 ft. to 10 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.020-in.
	grout: 10 ft. to 0 ft.	Depth to GW:	▽ first encountered static ▼

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Cleared to 5' bgs with air knife	
						2			
						3			
						4			
						5	CL		
S	MW-11 5'	13 17 24	1000	100		6		Sandy clay, CL, dark yellowish brown, (10YR 3/4), dry, hard low plasticity, 60% clay, 40% medium to coarse sand	0
						7			
						8			
						9			
						10			
S	MW-11 10'	8 13 24	1005	100		11			
						12	SM	Silty sand with clay, SM, olive grey, (5Y 4/3), moist, dense 75% coarse grained sand, 15% silt, 10% clay	0
						13			
						14			
						15			
S	MW-11 15'	15 18 28	1025	100		16		Clayey sand, SC, dark olive grey, (5Y 3/2), moist, dense 80% coarse grained sand, 20% clay	0
						17	SC		
						18			
						19			
						20	GC		

Recovery

Sample

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. MW-11** **Sheet: 2 of 2**

Client	ARCO 11117	Date	November 20, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
S	MW-11 20'	15 19	1035	100		21		Clayey gravel, GC, dark olive grey, (5Y 3/2), wet, dense 80% medium graiend gravel, 15% clay	0
		24				22			
						23			
						24			
						25			
S	MW-11 25'	8 12	1040	0		26		No recovery	0
		24				27			
						28	GC		
						29			
						30			
S	MW-11 30'	8 24	1055	100		31		Clayey gravel, GC, dark olive grey, (5Y 3/2), wet, very dense 85% fine gravel, 15% clay	0
		30				32			
						33			
						34			
						35			
S	MW-11 35'	13 33	1105	100		36		becomes 75% fine to medium graiend gravel, 15% clay, 10% coarse sand	0
		36				37			
						38			
		5				39			
S	MW-11 40'	15 25	1125	100		40		Poorly graded sand, SP, dark olive grey, (5Y 3/2), wet, very dense 100% medium grained sand	

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-1** **Sheet: 1 of 2**

Client	ARCO 11117	Date	November 19, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 40 ft. to 13 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 15 ft. to 40 ft.
	bent.: 13 ft. to 10 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.020-in.
	grout: 10 ft. to 0 ft.	Depth to GW:	▽ first encountered static ▼

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Cleared to 5' bgs with air knife	
						2			
						3			
						4	CL		
						5			
S	DPE-1 5'	10 20 30	1240	100		6		Clay, CL, dark yellowish brown, (10YR 4/4), dry, hard, medium plasticity 100% clay	0
						7			
						8			
						9			
						10			
S	DPE-1 10'	12 14 16	1245	100		11	GM	Silty Gravel with clay, GM, dark yellowish brown, (10YR 4/6), moist medium dense, 75% medium gravel, 15% silt, 10% clay	0
						12			
						13			
						14			
						15			
S	DPE-1 15'	18 27 27	1250	100		16	GP	Poorly graded gravel with sand, GP, dark grayish brown, (2.5Y 4/2), moist very dense, 80% fine gravel, 20% coarse sand	0
						17			
						18			
						19	CL		
						20			

Recovery

Sample

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-1** **Sheet: 2 of 2**

Client	ARCO 11117	Date	November 19, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
S	DPE-1 20'	7 14 20	1255	100		21 22 23 24 25	CL	Silty clay with sand, CL, dark yellowish brown, (10YR 4/6), moist, hard low plasticity, 60% clay, 30% silt, 10% sand	0
S	DPE-1 25'	10 16 22	1300	100		26 27 28 29 30	GM	Silty gravel with sand, GM, light olive brown, (2.5Y 5/3), wet, dense 70% fine gravel, 20% silt, 10% medium sand same as above	0
S	DPE-1 30'	5 7 12	1305	100		31 32 33 34 35	CL	Clay, CL, light olive brown, (2.5Y 5/2), wet, very stiff, medium plasticity 100% clay	0
S	DPE-1 35'	7 15 22	1310	100		36 37 38 39 40		becomes yellowish brown, (10YR 5/4) becomes silty clay, CL, 80% clay, 20% silt	0
S	DPE-1 40'		1315	100					

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-2** **Sheet: 1 of 2**

Client	ARCO 11117	Date	November 21, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 40 ft. to 13 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 15 ft. to 40 ft.
	bent.: 13 ft. to 10 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.020-in.
	grout: 10 ft. to 0 ft.	Depth to GW:	▽ first encountered static ▼

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
								Cleared to 5' bgs with air knife	
S	DPE-2 5'	10 23 33	0835	100		6	CL	Sandy clay, CL, dark yellowish brown, (10YR 4/6), dry, hard medium plasticity, 65% clay, 35% medium to coarse sand	0
S	DPE-2 10'	10 10 15	0850	100		11		same as above	0
S	DPE-2 15'	9 15 20	0900	100		16	SC ▽	Sandy clay, CL, dark olive brown, (2.5Y 3/3), moist, hard, low plasticity 60% clay, 40% medium sand	0

Recovery

Sample

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-2** **Sheet: 2 of 2**

Client	ARCO 11117	Date	November 21, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
S	DPE-2 20'	7 11	910	100		21	SC	Clayey sand with gravel, SC, very dark grey, (5Y 3/1), wet, dense 70% medium grained sand, 20% clay, 10% fine grained gravel	0
		24				22			
						23			
						24			
						25			
S	DPE-2 25'	7 18	915	100		26		Clayey gravel with sand, GC, olive grey, (5Y 4/2), wet, very dense 75% medium grained gravel, 15% clay, 10% coarse grained sand	0
		34				27			
						28			
						29			
						30			
S	DPE-2 30'	10 18	930	100		31	GC	same as above, but with hydrocarbon odor	0
		27				32			
						33			
						34			
						35			
S	DPE-2 35'	14 26	940	100		36		same as above	0
		34				37			
						38			
		14				39			
S	DPE-2 40'	20 32	950	100		40	SM	Silty sand, SM, olive grey, (5Y 4/2), wet, very dense 80% medium grained sand, 20% silt	0

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-3** **Sheet: 1 of 2**

Client	ARCO 11117	Date	November 20, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 40 ft. to 11 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 13 ft. to 38 ft.
	bent.: 11 ft. to 8 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.020-in.
	grout: 8 ft. to 0 ft.	Depth to GW:	▽ first encountered static ▼

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Cleared to 5' bgs with air knife	
						2			
						3			
						4			
						5			
S	DPE-3 5'	5 10 25	1345	100		6	CL	Sandy clay, CL, dark yellowish brown, (10YR 3/6), dry, hard medium plasticity, 75% clay, 25% medium grained sand	0
						7			
						8			
						9			
						10			
S	DPE-3 10'	8 18 18	1350	100		11		becomes, olive brown, (2.5Y 4/4), moist	0
						12			
						13			
						14			
						15			
S	DPE-3 15'	13 26 27	1355	100		16	GC	Clayey gravel, GC, dark olive grey, (5Y 3/2), moist, very dense 85% medium grained gravel, 15% clay	0
						17			
						18			
						19			
						20	▽		

Recovery

Sample

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-3** **Sheet: 2 of 2**

Client	ARCO 11117	Date	November 20, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
S	DPE-3 20'	12 20 26	1400	100		21 22 23 24 25		Clayey gravel with sand, GC, dark olive grey, (5Y 3/2), wet, dense 75% medium grained gravel, 15% clay, 10% coarse grained sand	0
S	DPE-3 25'	11 13 23	1410	100		26 27 28 29 30	GC	same as above	0
S	DPE-3 30'	9 14 19	1420	100		31 32 33 34 35	SP	same as above Poorly graded fine sand, SP	0
S	DPE-3 35'	5 6 6	1425	100		36 37 38 39	GP	Poorly graded gravel, GP, dark olive grey, (5Y 3/2), wet, medium dense 100% medium gravel	0
S	DPE-3 40'		1430	100		40		same as above	0

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-4** **Sheet: 1 of 3**

Client	ARCO 11117	Date	November 19, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	

Well Pack	sand: 45 ft. to 13 ft	Well Construction	Casing Material: Schedule 40 PVC	Screen Interval: 15 ft. to 40 ft.
	bent.: 13 ft. to 10 ft.		Casing Diameter: 4 in.	Screen Slot Size: 0.020-in.
	grout: 10 ft. to 0 ft.	Depth to GW:	▽ first encountered static	▼

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Cleared to 5' bgs with air knife	
						2			
						3			
						4			
						5			
						6			
						7			
						8			
						9			
						10			
						11			
						12			
						13			
						14			
						15			
						16			
						17			
						18			
						19			
						20			

Recovery

Sample

Comments: Overdrill existing 2" well to 45' bgs
Set new 4" well at 40' bgs

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-4** **Sheet: 2 of 3**

Client	ARCO 11117	Date	November 19, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						21			
						22			
						23			
						24			
						25			
						26			
						27			
						28			
						29			
						30			
S						31			
						32			
						33			
						34			
						35			
S						36			
						37			
						38			
						39			
S						40			0

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-4** **Sheet: 3 of 3**

Client	ARCO 11117	Date	November 19, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						41			
						42			
						43			
						44			
						45			
						46			
						47			
						48			
						49			
						50			
S						51			
						52			
						53			
						54			
						55			
S						56			
						57			
						58			
						59			
S						60			0

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-5** **Sheet: 1 of 2**

Client	ARCO 11117	Date	November 21, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 40 ft. to 13 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 15 ft. to 40 ft.
	bent.: 13 ft. to 10 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.020-in.
	grout: 10 ft. to 0 ft.	Depth to GW:	▽ first encountered static ▼

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Cleared to 5' bgs with air knife	
						2			
						3			
						4	CL		
						5			
S	DPE-5 5'	11 17 33	1300	100		6		Silty clay, CL, dark yellowish brown, (10YR 3/6), dry, hard, medium plasticity 70% clay, 30% silt	0
						7			
						8			
						9			
						10			
S	DPE-5 10'	8 9 13	1305	100		11	SM	Silty sand, SM, olive, (5Y 4/3), dry, medium dense 85% medium grained sand, 15% silt	0
						12			
						13			
						14			
						15			
S	DPE-5 15'	11 15 20	1315	100		16	GC	Clayey gravel with sand, GC, dark olive grey, (5Y 3/2), moist, dense 75% medium grained gravel, 15% clay, 10% coarse grained sand	0
						17			
						18			
						19			
						20	SC ▽		

Recovery

Sample

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. DPE-5** **Sheet: 2 of 2**

Client	ARCO 11117	Date	November 21, 2007
Address	7210 Bancroft Avenue	Drilling Co.	Woodward Drilling rig type:BK-61
	Oakland, CA	Driller	Norman Hunger
Project No.	E11117-01	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
S	DPE-5 20'	4 7	1320	100		21	SC	Clayey sand, SC, dark olive grey, (5Y 3/2), wet, medium dense 80% medium grained sand, 20% clay	0
		12				22			
						23			
						24			
						25			
S	DPE-5 25'	7 20	1330	100		26		Clayey gravel with sand, GC, dark olive grey, (5Y 3/2), wet, dense 75% medium grained gravel, 15% clay, 10% coarse grained sand	0
		23				27			
						28			
						29			
						30			
S	DPE-5 30'	14 27	1340	100		31		same as above	0
		50/3"				32	GC		
						33			
						34			
						35			
S	DPE-3 35'	15 25	1350	100		36		increasing clay content 70% medium grained gravel, 20% clay, 10% coarse grained sand	0
		45				37			
						38			
		17				39			
S	DPE-5 40'	24 30	1400	100		40		same as above	0

Comments:

STRATUS ENVIRONMENTAL, INC.

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

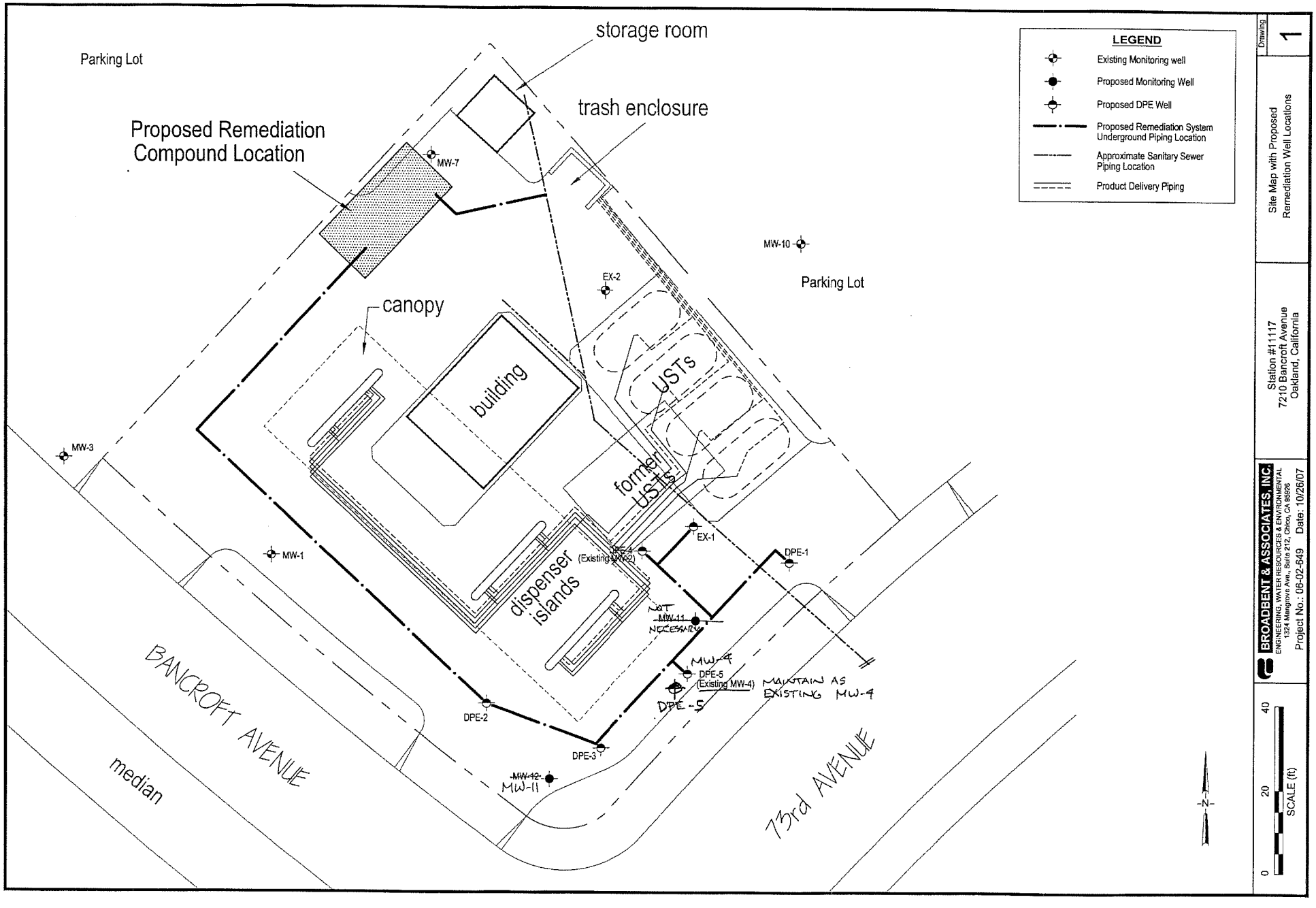
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED


Parking Lot
storage room
trash enclosure
Proposed Remediation Compound Location
MW-7
MW-10
Parking Lot
EX-2
canopy
building
USTs
former USTs
MW-3
MW-1
EX-1
DPE-1
DPE-4 (Existing MW-2)
dispenser islands
NOT NECESSARY
MW-11
MW-4
DPE-5 (Existing MW-4)
MAINTAIN AS EXISTING MW-4
DPE-5
DPE-2
DPE-3
MW-12
MW-11
BANCROFT AVENUE
median
73rd AVENUE
N
LEGEND
Existing Monitoring well
Proposed Monitoring Well
Proposed DPE Well
Proposed Remediation System Underground Piping Location
Approximate Sanitary Sewer Piping Location
Product Delivery Piping
0
20
40
SCALE (ft)
BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave., Suite 212, Chico, CA 95926
Project No.: 06-02-649 Date: 10/26/07
Station #11117
7210 Bancroft Avenue
Oakland, California
Site Map with Proposed Remediation Well Locations
Drawing 1

S10 385 0737 Vicky Hamilton

Alameda County Public Works Agency - Water Resources Well Permit

3PM Each Day

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

Application Approved on: 11/09/2007 By vickyh1

Permit Numbers: W2007-1142 to W2007-1144
Permits Valid from 11/19/2007 to 11/30/2007

Application Id:	1194287667849
Site Location:	7210 Bancroft Ave, Oakland, CA
Project Start Date:	11/19/2007
City of Project Site:	Oakland
Completion Date:	11/30/2007
Applicant:	Stratus Environmental - Scott Bittinger 3330 Cameron Park Dr #550, Cameron Park, CA 95682
Phone:	530-676-2062
Property Owner:	BP West Coast Products, LLC 6 Centerpointe Dr, La Palma, CA 90623
Phone:	925-275-3506
Client:	** same as Property Owner **

	Total Due:	$800.00
Receipt Number: WR2007-0501	**Total Amount Paid:**	$800.00
Payer Name : Stratus	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 2 Wells
Driller: Woodward - Lic #: 710079 - Method: auger

Work Total: $600.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2007-1142	11/09/2007	02/17/2008	MW-11	10.00 in.	4.00 in.	10.00 ft	41.00 ft
W2007-1143	11/09/2007	02/17/2008	MW-12	10.00 in.	4.00 in.	10.00 ft	41.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and

mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Remove the Christy box or similar structure. Drill out & Replace with New Well

6. 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.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. 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.

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

Remedian Well Construction-Extraction - 5 Wells
Driller: Woodward - Lic #: 710079 - Method: auger

Work Total: $200.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2007-1144	11/09/2007	02/17/2008	DPE-1	10.00 in.	4.00 in.	10.00 ft	41.00 ft
W2007-1144	11/09/2007	02/17/2008	DPE-2	10.00 in.	4.00 in.	10.00 ft	41.00 ft
W2007-1144	11/09/2007	02/17/2008	DPE-3	10.00 in.	4.00 in.	10.00 ft	41.00 ft
W2007-1144	11/09/2007	02/17/2008	DPE-4 (redrill MW2)	10.00 in.	4.00 in.	10.00 ft	41.00 ft
W2007-1144	11/09/2007	02/17/2008	DPE-5 (redrill MW4)	10.00 in.	4.00 in.	10.00 ft	41.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

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. Minimum seal depth (Neat Cement Seal) is 2 feet below ground surface (BGS).

6. Minimum surface seal thickness is two inches of cement grout placed by tremie

7. 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.

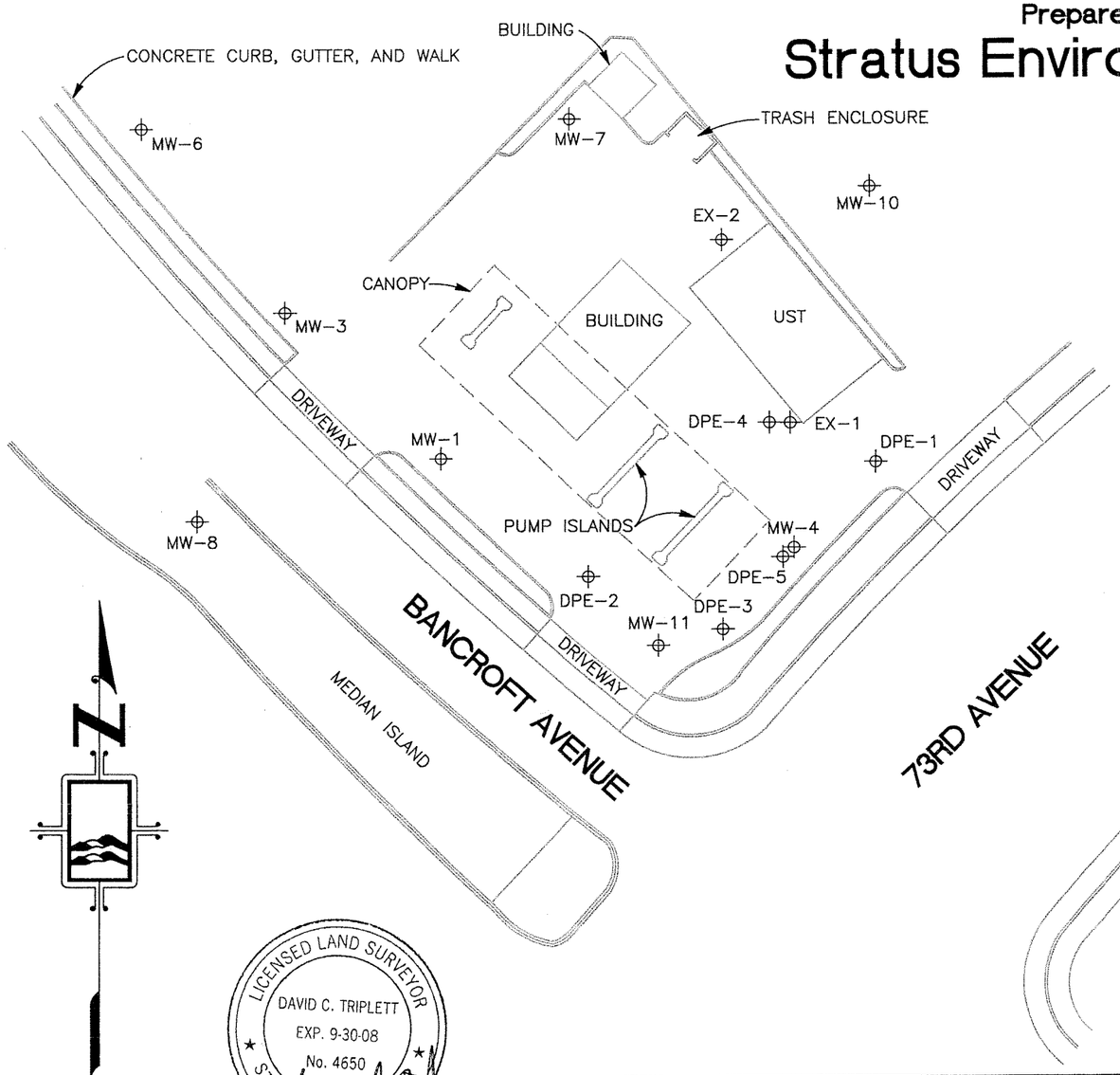
8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City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

9. MW-2 will be redrilled and replaced with DPE-4
MW-4 will be redrilled and replaced with DPE-5

Monitoring Well Exhibit

Prepared For:

Stratus Environmental, Inc.



DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV (PVC)	ELEV (BOX)
MW-1	2105831.9	6076851.1	37.7662945	-122.1773313	37.41	37.85
MW-3	2105872.6	6076808.1	37.7664043	-122.1774826	37.56	37.90
MW-4	2105807.0	6076948.4	37.7662308	-122.1769933	38.35	38.65
MW-6	2105923.8	6076768.2	37.7665428	-122.1776238	*	38.18
MW-7	2105926.5	6076886.9	37.7665560	-122.1772133	38.99	39.45
MW-8	2105814.5	6076783.9	37.7662436	-122.1775627	38.44	38.66
MW-9	2105702.5	6077065.7	37.7659497	-122.1765810	38.63	39.13
MW-10	2105907.6	6076969.2	37.7665082	-122.1769275	40.45	40.74
MW-11	2105779.8	6076911.2	37.7661543	-122.1771203	37.64	37.98
EX-1	2105841.7	6076947.4	37.7663262	-122.1769988	38.98	39.33
EX-2	2105892.7	6076928.6	37.7664653	-122.1770672	39.63	39.88
DPE-1	2105830.8	6076970.8	37.7662973	-122.1769173	38.95	39.29
DPE-2	2105799.0	6076892.1	37.7662062	-122.1771874	37.64	38.01
DPE-3	2105784.2	6076928.8	37.7661675	-122.1770597	37.82	38.32
DPE-4	2105841.8	6076941.8	37.7663261	-122.1770183	38.46	39.13
DPE-5	2105804.3	6076945.4	37.7662235	-122.1770036	38.23	38.70

*UNABLE TO OPEN BOX IN ORDER TO GET TOP OF CASING ELEVATION.

BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.
COORDINATE DATUM IS NAD 83(CORS).
DATUM ELLIPSOID IS GRS80.
REFERENCE GEOID IS GEOID99.
CORS STATIONS USED WERE BRIB AND PBL1.
VERTICAL DATUM IS BASED ON CITY OF OAKLAND BENCHMARK DESIGNATED 3787 IN FIELD BOOK 1595, PAGE 50. CUT SQUARE NORTHERLY CURB ON KRAUSE AVE. APPROXIMATELY 37' WESTERLY OF PL WESTERLY OF 73RD AVE. ELEVATION=33.82'.

LICENSED LAND SURVEYOR
DAVID C. TRIPLETT
EXP. 9-30-08
No. 4650
STATE OF CALIFORNIA
12-18-07

Station 11117
Bancroft Avenue
Oakland
Alameda County
California

Morrow Surveying
LAND SURVEYORS
1450 Harbor Blvd. Ste. D
West Sacramento
California 95691
(916) 372-8124
paulg@morrowsurveying.com

Date: 12-7-07
Scale: 1" = 40'
Sheet 1 of 1
Revised:
Field Book: MW-38
Dwg. No. 7502-070 PG

Atlantic Richfield Company

A BP affiliated company

Chain of Custody Record

Page 1 of 1

Project Name: ARCO 1117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 1117
State or Lead Regulatory Agency: Alameda County
Requested Due Date (mm/dd/yy):

On-site Time: 0700	Temp: 55
Off-site Time:	Temp:
Sky Conditions: Sunny	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	
Address: 885 Jarvis Drive	
Morgan Hill, CA 95937	
Lab PM: Lisa Race	
Tele/Fax: 408-782-8156 408-782-6308 (fax)	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506	
Lab Bottle Order No:	

BP/AR Facility No.: 1117	
BP/AR Facility Address: 7210 Edgewater Ave, Oakland	
Site Lat/Long:	
California Global ID No.: T0600102201	
Enfos Project No.: G07TK-0035	
Provision or OOC (circle one)	Provision
Phase/WBS:	Phase 05 - Assessment
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	
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.

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: Gas	Requested Analysis: Diesel	Requested Analysis: 1,2 DCA	Requested Analysis: 8260	Requested Analysis: EDB	Requested Analysis: ETBE	Sample Point Lat/Long and Comments
1	DPE-2 20'	0910	11/21/07	X			01	1	X					X	X	X	X	X	X	REVISED
2	DPE-2 30'	0930		X			02	1	X											Standard TAT
3	DPE-5 20'	1320		X			03	1	X											*8260 = DIPE TAME ETBE MTBE TBA
4	DPE-5 35'	1350		X			04	1	X											
5																				
6																				
7																				
8																				
9																				
10																				

Sampler's Name: Colin Escure					
Sampler's Company: Stratus Env., Inc.					
Shipment Date:					
Shipment Method:					
Shipment Tracking No:					
Special Instructions:	Please cc results to rmiller@broadbentinc.com				
	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	Dave Deckler / Stratus	11/29/07		JULIE N. / TAMH	11/29/07	0935

Custody Seals In Place: (Yes) / No | Temp Blank: Yes / (No) | Cooler Temp on Receipt: 11.2°F/C | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / (No)

BP COC Rev. 5 10/11/2006

Atlantic Richfield Company

A BP affiliated company

Chain of Custody Record

Project Name: ARCO 1117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 1117
State or Lead Regulatory Agency: Alameda County
Requested Due Date (mm/dd/yy):

On-site Time: 0900	Temp: 85
Off-site Time:	Temp:
Sky Conditions: Sunny	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	
Address: 885 Jarvis Drive	
Morgan Hill, CA 95037	
Lab PM: Lisa Race	
Tele/Fax: 408-782-8156 408-782-6308 (fax)	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506	
Lab Bottle Order No:	

BP/AR Facility No.: 1117	
BP/AR Facility Address: 7210 Bancroft Ave, Oakland	
Site Lat/Long:	
California Global ID No.: T0600102201	
Enfos Project No.: G07TK-0035	
Provision or OOC (circle one) Provision	
Phase/WBS: 01 - Assessment	
Sub Phase/Task: 03-Analytical	
Cost Element: 01-Contractor labor	

Consultant/Contractor: Stratus Environmental, Inc.	
Address: 3330 Cameron Park Drive, Suite 550	
Cameron Park, CA 95682	
Consultant/Contractor Project No.:	
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.	

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	Requested Analysis: BTEX	Requested Analysis: 1,2 DCA	Requested Analysis: 8015 *	Requested Analysis: EDB	Requested Analysis: ETOH	Sample Point Lat/Long and Comments
1	[redacted]	[redacted]	9/21	[redacted]																REVISED
2	[redacted]	[redacted]																		
3	[redacted]	[redacted]																		STANDARD TAT
4	MW-11 20'	1035		X																* 8015 = DIPE, TAME, ETBE, MTBE & TBA
5	MW-11 30'	1055		X			01	1	X					X	X	X	X	X	X	
6	[redacted]	[redacted]					02	1	X					X	X	X	X	X	X	
7	[redacted]	[redacted]																		
8	DPE-3 20'	1400		X																
9	DPE-3 35'	1425		X			03	1	X					X	X	X	X	X	X	
10							04	1	X					X	X	X	X	X	X	

Sampler's Name: Collin Fontaine	
Sampler's Company: Stratus Env., Inc.	
Shipment Date: 11-28-07	
Shipment Method:	
Shipment Tracking No:	
Special Instructions:	Please cc results to rmiller@broadbentinc.com

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[redacted] Stratus Env.	11/28/07	1500	JULIE N. / TAMH	11/21/07	1103

Custody Seals In Place: (Yes) / No | Temp Blank: Yes / (No) | Cooler Temp on Receipt: 5-6 °F/C | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / (No)

Fed Ex # 118830881

Atlantic Richfield Company

bp A BP affiliated company

Chain of Custody Record

Page 1 of 1

Project Name: ARCO 1117

BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 1117

State or Lead Regulatory Agency: Alameda County

Requested Due Date (mm/dd/yy):

On-site Time:	0700	Temp:	55
Off-site Time:	1430	Temp:	60
Sky Conditions:	Partly Cloudy		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name:	TestAmerica
Address:	885 Jarvis Drive
	Morgan Hill, CA 95037
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156 408-782-6308 (fax)
BP/AR PM Contact:	Paul Supple
Address:	2010 Crow Canyon Place, Suite 150
	San Ramon, CA
Tele/Fax:	925-275-3506

BP/AR Facility No.:	1117
BP/AR Facility Address:	7210 Bancroft Avenue
Site Lat/Long:	Oakland, CA.
California Global ID No.:	T0600100201
Enfos Project No.:	G07TK-0035
Provision or OOC (circle one)	Provision
Phase/WBS:	01- ASSESSMENT
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	
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	Requested Analysis: BTEX	Requested Analysis: 1,2 DCA	Requested Analysis: EDB	Requested Analysis: EDF	Requested Analysis: ECD	Sample Point Lat/Long and Comments
1	DPE-1 5'	1240	11/19/07	X			0704036-01	1	X					X	X	X	X	X	X	REVISED
2	DPE-1 10'	1245					02	1												STANDARD TAT
3	DPE-1 15'	1250					03	1												SOIL => DPE
4	DPE-1 20'	1255					04	1												TAME
5	DPE-1 25'	1300					05	1												BTEX
6	DPE-1 30'	1305					06	1												MTBE
7	DPE-1 35'	1310					07	1												TBA
8	DPE-1 40'	1315		V	V		08	1	V					V	V	V	V	V	V	
9																				
10																				

Sampler's Name:	Collin Fischer
Sampler's Company:	Stratus Env. Inc.
Shipment Date:	11-19-07
Shipment Method:	
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	11/19/07	1900	JULIE N. / TAMH	11/20/07	1053

Special Instructions: Please cc results to rmiller@broadbentinc.com # 11/20/07 @ 12:08 Analyze DPE-1-25' of DPE-1-35' only LR

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 5.0 °C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TestAmerica
ANALYTICAL TESTING CORPORATION

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

29 November, 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: MQK0677

Enclosed are the results of analyses for samples received by the laboratory on 11/21/07 11:03. 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.

TestAmerica
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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11 20'	MQK0677-01	Soil	11/20/07 10:35	11/21/07 11:03
MW-11 30'	MQK0677-02	Soil	11/20/07 10:55	11/21/07 11:03
DPE-3 20'	MQK0677-03	Soil	11/20/07 14:00	11/21/07 11:03
DPE-3 35'	MQK0677-04	Soil	11/20/07 14:25	11/21/07 11:03

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.

TestAmerica
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FAX (408) 782-6308
www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 20' (MQK0677-01) Soil Sampled: 11/20/07 10:35 Received: 11/21/07 11:03									
Gasoline Range Organics (C4-C12)	**0.10**	0.10	mg/kg	1	7K23009	11/21/07	11/23/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*83 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-120*		"	"	"	"	
MW-11 30' (MQK0677-02) Soil Sampled: 11/20/07 10:55 Received: 11/21/07 11:03									
Gasoline Range Organics (C4-C12)	**1.9**	0.10	mg/kg	1	7K23009	11/21/07	11/23/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*82 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-120*		"	"	"	"	
DPE-3 20' (MQK0677-03) Soil Sampled: 11/20/07 14:00 Received: 11/21/07 11:03									
Gasoline Range Organics (C4-C12)	**0.39**	0.10	mg/kg	1	7K23009	11/21/07	11/23/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-120*		"	"	"	"	
DPE-3 35' (MQK0677-04) Soil Sampled: 11/20/07 14:25 Received: 11/21/07 11:03									
Gasoline Range Organics (C4-C12)	**3.6**	0.10	mg/kg	1	7K23009	11/21/07	11/23/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*70-120*		"	"	"	"	

TestAmerica
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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	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 20' (MQK0677-01) Soil Sampled: 11/20/07 10:35 Received: 11/21/07 11:03									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	7K23009	11/21/07	11/23/07	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*60-125*		"	"	"	"	
MW-11 30' (MQK0677-02) Soil Sampled: 11/20/07 10:55 Received: 11/21/07 11:03									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	7K23009	11/21/07	11/23/07	EPA 8260B	
Benzene	**0.0089**	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.11**	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	**0.022**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.11**	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-3 20' (MQK0677-03) Soil Sampled: 11/20/07 14:00 Received: 11/21/07 11:03									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	7K23009	11/21/07	11/23/07	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.0050**	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-125*		"	"	"	"	
DPE-3 35' (MQK0677-04) Soil Sampled: 11/20/07 14:25 Received: 11/21/07 11:03									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	7K23009	11/21/07	11/23/07	EPA 8260B	
Benzene	**0.082**	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.15**	0.0050	"	"	"	"	"	"	BB
Methyl tert-butyl ether	**0.060**	0.0050	"	"	"	"	"	"	
Toluene	**0.20**	0.0050	"	"	"	"	"	"	BB
Xylenes (total)	**0.28**	0.0050	"	"	"	"	"	"	BB
Surrogate: Dibromofluoromethane		*96 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

Conventional Chemistry Parameters by APHA/EPA Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 20' (MQK0677-01) Soil	**Sampled: 11/20/07 10:35**	**Received: 11/21/07 11:03**							
Percent Solids	**84**	1.0	%	1	7K27001	11/26/07	11/27/07	SM2540G	
MW-11 30' (MQK0677-02) Soil	**Sampled: 11/20/07 10:55**	**Received: 11/21/07 11:03**							
Percent Solids	**87**	1.0	%	1	7K27001	11/26/07	11/27/07	SM2540G	
DPE-3 20' (MQK0677-03) Soil	**Sampled: 11/20/07 14:00**	**Received: 11/21/07 11:03**							
Percent Solids	**88**	1.0	%	1	7K27001	11/26/07	11/27/07	SM2540G	
DPE-3 35' (MQK0677-04) Soil	**Sampled: 11/20/07 14:25**	**Received: 11/21/07 11:03**							
Percent Solids	**88**	1.0	%	1	7K27001	11/26/07	11/27/07	SM2540G	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

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 7K23009 - EPA 5030 (pres 48h)/5035 / LUFT GCMS										
Blank (7K23009-BLK1)				Prepared & Analyzed: 11/23/07						
Gasoline Range Organics (C4-C12)	ND	0.10	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.00424*		"	*0.00500*		*85*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00424*		"	*0.00500*		*85*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00474*		"	*0.00500*		*95*	*50-135*			
Surrogate: Toluene-d8	*0.00472*		"	*0.00500*		*94*	*70-120*			
Laboratory Control Sample (7K23009-BS2)				Prepared & Analyzed: 11/23/07						
Gasoline Range Organics (C4-C12)	0.813	0.10	mg/kg	1.00		81	60-120			
Surrogate: 1,2-Dichloroethane-d4	*0.00418*		"	*0.00500*		*84*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00472*		"	*0.00500*		*94*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00474*		"	*0.00500*		*95*	*50-135*			
Surrogate: Toluene-d8	*0.00512*		"	*0.00500*		*102*	*70-120*			
Laboratory Control Sample Dup (7K23009-BSD2)				Prepared & Analyzed: 11/23/07						
Gasoline Range Organics (C4-C12)	0.801	0.10	mg/kg	1.00		80	60-120	2	40	
Surrogate: 1,2-Dichloroethane-d4	*0.00426*		"	*0.00500*		*85*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00460*		"	*0.00500*		*92*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00470*		"	*0.00500*		*94*	*50-135*			
Surrogate: Toluene-d8	*0.00516*		"	*0.00500*		*103*	*70-120*			
Matrix Spike (7K23009-MS1)	**Source: MQK0677-04**			Prepared & Analyzed: 11/23/07						
Gasoline Range Organics (C4-C12)	7.28	0.10	mg/kg	1.10	3.59	335	50-135			LM,AY
Surrogate: 1,2-Dichloroethane-d4	*0.00400*		"	*0.00500*		*80*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00586*		"	*0.00500*		*117*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00510*		"	*0.00500*		*102*	*50-135*			
Surrogate: Toluene-d8	*0.00510*		"	*0.00500*		*102*	*70-120*			
Matrix Spike Dup (7K23009-MSD1)	**Source: MQK0677-04**			Prepared & Analyzed: 11/23/07						
Gasoline Range Organics (C4-C12)	7.18	0.10	mg/kg	1.10	3.59	326	50-135	1	40	LM,AY
Surrogate: 1,2-Dichloroethane-d4	*0.00398*		"	*0.00500*		*80*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00580*		"	*0.00500*		*116*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00470*		"	*0.00500*		*94*	*50-135*			
Surrogate: Toluene-d8	*0.00506*		"	*0.00500*		*101*	*70-120*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

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 7K23009 - EPA 5030 (pres 48h)/5035 / EPA 8260B										
Blank (7K23009-BLK1)				Prepared & Analyzed: 11/23/07						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	*0.00474*		"	*0.00500*		*95*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00424*		"	*0.00500*		*85*	*65-135*			
Surrogate: Toluene-d8	*0.00472*		"	*0.00500*		*94*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00424*		"	*0.00500*		*85*	*60-125*			
Laboratory Control Sample (7K23009-BS1)				Prepared & Analyzed: 11/23/07						
tert-Amyl methyl ether	0.0215	0.0050	mg/kg	0.0200		108	65-145			
Benzene	0.0223	0.0050	"	0.0200		111	75-125			
tert-Butyl alcohol	0.323	0.020	"	0.400		81	70-125			
Di-isopropyl ether	0.0179	0.0050	"	0.0200		89	60-140			
1,2-Dibromoethane (EDB)	0.0229	0.0050	"	0.0200		114	75-140			
1,2-Dichloroethane	0.0181	0.0050	"	0.0200		90	70-135			
Ethanol	0.284	0.10	"	0.400		71	45-150			
Ethyl tert-butyl ether	0.0202	0.0050	"	0.0200		101	65-140			
Ethylbenzene	0.0203	0.0050	"	0.0200		101	75-130			
Methyl tert-butyl ether	0.0208	0.0050	"	0.0200		104	60-140			
Toluene	0.0229	0.0050	"	0.0200		115	75-135			
Xylenes (total)	0.0635	0.0050	"	0.0600		106	75-135			
Surrogate: Dibromofluoromethane	*0.00504*		"	*0.00500*		*101*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00422*		"	*0.00500*		*84*	*65-135*			
Surrogate: Toluene-d8	*0.00516*		"	*0.00500*		*103*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00492*		"	*0.00500*		*98*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

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 7K23009 - EPA 5030 (pres 48h)/5035 / EPA 8260B										
Matrix Spike (7K23009-MS1)	**Source: MQK0677-04**			Prepared & Analyzed: 11/23/07						
tert-Amyl methyl ether	0.0253	0.0050	mg/kg	0.0200	ND	126	65-140			
Benzene	0.108	0.0050	"	0.0200	0.0817	132	65-145			
tert-Butyl alcohol	0.433	0.020	"	0.400	ND	108	70-130			
Di-isopropyl ether	0.0197	0.0050	"	0.0200	ND	98	65-145			
1,2-Dibromoethane (EDB)	0.0252	0.0050	"	0.0200	ND	126	60-150			
1,2-Dichloroethane	0.0196	0.0050	"	0.0200	ND	98	60-140			
Ethanol	0.378	0.10	"	0.400	ND	95	35-150			
Ethyl tert-butyl ether	0.0222	0.0050	"	0.0200	ND	111	65-150			
Ethylbenzene	0.218	0.0050	"	0.0200	0.150	341	75-140			BB
Methyl tert-butyl ether	0.0850	0.0050	"	0.0200	0.0601	124	60-150			
Toluene	0.265	0.0050	"	0.0200	0.203	311	65-140			BB
Xylenes (total)	0.481	0.0050	"	0.0600	0.279	338	70-145			BB
Surrogate: Dibromofluoromethane	*0.00510*		"	*0.00500*		*102*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00400*		"	*0.00500*		*80*	*65-135*			
Surrogate: Toluene-d8	*0.00510*		"	*0.00500*		*102*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00586*		"	*0.00500*		*117*	*60-125*			
Matrix Spike Dup (7K23009-MSD1)	**Source: MQK0677-04**			Prepared & Analyzed: 11/23/07						
tert-Amyl methyl ether	0.0213	0.0050	mg/kg	0.0200	ND	106	65-140	17	25	
Benzene	0.0948	0.0050	"	0.0200	0.0817	66	65-145	13	25	
tert-Butyl alcohol	0.373	0.020	"	0.400	ND	93	70-130	15	25	
Di-isopropyl ether	0.0169	0.0050	"	0.0200	ND	85	65-145	15	40	
1,2-Dibromoethane (EDB)	0.0223	0.0050	"	0.0200	ND	111	60-150	12	30	
1,2-Dichloroethane	0.0167	0.0050	"	0.0200	ND	83	60-140	16	25	
Ethanol	0.308	0.10	"	0.400	ND	77	35-150	20	30	
Ethyl tert-butyl ether	0.0196	0.0050	"	0.0200	ND	98	65-150	13	30	
Ethylbenzene	0.193	0.0050	"	0.0200	0.150	213	75-140	12	30	BB
Methyl tert-butyl ether	0.0724	0.0050	"	0.0200	0.0601	61	60-150	16	25	
Toluene	0.231	0.0050	"	0.0200	0.203	143	65-140	14	25	BB
Xylenes (total)	0.430	0.0050	"	0.0600	0.279	252	70-145	11	30	BB
Surrogate: Dibromofluoromethane	*0.00470*		"	*0.00500*		*94*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00398*		"	*0.00500*		*80*	*65-135*			
Surrogate: Toluene-d8	*0.00506*		"	*0.00500*		*101*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00580*		"	*0.00500*		*116*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K27001 - General Preparation / SM2540G										
Blank (7K27001-BLK1)				Prepared: 11/26/07 Analyzed: 11/27/07						
Percent Solids	ND	1.0	%							
Duplicate (7K27001-DUP1)	**Source: MQK0678-01**			Prepared: 11/26/07 Analyzed: 11/27/07						
Percent Solids	81.3	1.0	%		81.3			0.07	20	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0677
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/29/07 13:59

Notes and Definitions

LM,AY	MS and/or MSD above acceptance limits. See Blank Spike(LCS). Matrix interference suspected.
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

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Monday, November 26, 2007 9:38 AM
To: Lisa Race
Subject: RE: COCs missing ENFOS numbers - MQK0631,MQK0632, MQK0636 & MQK0677
Attachments: Revised COC's.pdf

Hi Lisa,

The Enfos # for 11117 is G07TK-0035 (both COC's)
for 11245 it is G07XV-0043 (for both COC's) REVISED

Revised COC's attached.

Thank you,

Sandy Hayes
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682
shayes@stratusinc.net
Phone: 530.313.9964
Fax: 530.676.6005

-----Original Message-----
From: Lisa Race [mailto:lisa.race@testamericainc.com]
Sent: Thursday, November 22, 2007 2:26 PM
To: knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Scott Bittinger; Sonia Nandi
Subject: COCs missing ENFOS numbers - MQK0631,MQK0632, MQK0636 & MQK0677

Please add the ENFOS number to the attached COCs and return.

See attached. Feel free to contact me with any questions. Please note new e-mail address:
Lisa.Race@Testamericainc.com

LISA RACE
Senior Project Manager

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Page 1 of 1

Atlantic Richfield Company
bp A BP affiliated company

Chain of Custody Record

Project Name: ARCO 1117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 1117
State or Lead Regulatory Agency: Alameda County
Requested Due Date (mm/dd/yy):

On-site Time: 0900	Temp: 85
Off-site Time:	Temp:
Sky Conditions: Sunny	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	BP/AR Facility No.: 1117	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 7210 Bancroft Ave, Oakland	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.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G07TK-0035	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision	Tele/Fax: (530) 676-6008 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: ~~04-Monitoring~~ 01 - Assessment	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shaves@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	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. MQK0677	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	GRO	BTEX	1,2 DCA	5 Oxy*	EDB	EtOH	Sample Point Lat/Long and Comments
1	~~[illegible]~~	~~[illegible]~~	11-20-07	~~[illegible]~~				~~[illegible]~~												REVISED
2	~~[illegible]~~	~~[illegible]~~																		STANDARD TAT
3	~~[illegible]~~	~~[illegible]~~																		*5 Oxy = DIPE, TAME, ETBE, MTBE, TBA
4	MW-11 20'	1035		X			01	1	X					X	X	X	X	X	X	
5	MW-11 30'	1055		X			02	1	X					X	X	X	X	X	X	
6	~~[illegible]~~	~~[illegible]~~																		
7	~~[illegible]~~	~~[illegible]~~																		
8	DPE-3 20'	1400		X			03	1	X					X	X	X	X	X	X	
9	DPE-3 35'	1425	↓	X			04	1	X					X	X	X	X	X	X	
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Collin Forster	[signature] / Stratus Env.	11/20/07	1800	Julie N. / TAMH	11/21/07	1103
Sampler's Company: Stratus Env., Inc.						
Shipment Date: 11-20-07						
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: 5.6 °F/(C) | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / (No)

Atlantic Richfield Company

A BP affiliated company

Chain of Custody Record

Page 1 of 1

Project Name: ARCO 1117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 1117
State or Lead Regulatory Agency: Alameda County
Requested Due Date (mm/dd/yy):

On-site Time: 0900	Temp: 85
Off-site Time:	Temp:
Sky Conditions: Sunny	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	
Address: 885 Jarvis Drive	
Morgan Hill, CA 95937	
Lab PM: Lisa Race	
Tele/Fax: 408-782-8156 408-782-6308 (fax)	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506	

BP/AR Facility No.: 1117	
BP/AR Facility Address: 7210 Bancroft Ave, Oakland CA	
Site Lat/Long:	
California Global ID No.: T0600102201	
Enfos Project No.:	
Provision or OOC (circle one)	Provision
Phase/WBS:	01 - ASSESSMENT
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	
Consultant/Contractor PM:	Jay Johanson
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	1,2 DCA	8260 *	EDB	Ethanol	Sample Point Lat/Long and Comments
1	[illegible]	[illegible]	11-20-07	[illegible]																
2	[illegible]	[illegible]																		STANDARD TAT
3	[illegible]	[illegible]																		
4	MW-11 20'	1035		X			01	1	X					X	X	X	X	X	X	* 8260 = DIPE, TAME, ETBE, MTBE, TBA
5	MW-11 30'	1055		X			02	1	X					X	X	X	X	X	X	
6	[illegible]	[illegible]																		
7	[illegible]	[illegible]																		
8	DPE-3 20'	1400		X			03	1	X					X	X	X	X	X	X	
9	DPE-3 35'	1425		X			04	1	X					X	X	X	X	X	X	
10																				

Sampler's Name: Colleen Fosdick				
Sampler's Company: Stratus Env. Inc.				
Shipment Date: 11-20-07				
Shipment Method:				
Shipment Tracking No:				
Relinquished By / Affiliation	**Date**	**Time**	**Accepted By / Affiliation**	**Date**	**Time**
[signature] Stratus Env.	11/20/07	1800	JULIE N. / TAMH	11/21/07	1103

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

Custody Seals In Place: (Yes) / No | Temp Blank: Yes / (No) | Cooler Temp on Receipt: 5-6 °F/C | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / (No)

FedEx Express **US Airbill**

FedEx Tracking Number 8636 0741 2918

Recipients Copy

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From [redacted]

Date 11 [illegible]

Sender's Name [illegible] Phone [illegible]

Company [illegible]

Address [illegible]

Dept./Floor/Suite/Room

City [illegible] State [illegible] ZIP [illegible]

2 Your Internal Billing Reference

3 To

Recipient's Name [illegible] Phone

Company [illegible]

Recipient's Address [illegible]

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City [illegible] State [illegible] ZIP [illegible]

8636 0741 2918

4a Express Package Service *Packages up to 150 lbs.*

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation. ** To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Obtain Recip. Acct. No.

[redacted]

Total Packages	Total Weight	Total Declared Value†
1	[illegible]	$ .00

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO
REC. BY (PRINT) JULIE N.
WORKORDER: MQK0677

DATE REC'D AT LAB: 11/21/07
TIME REC'D AT LAB: 1103
DATE LOGGED IN: 11/21/07

For Regulatory Purposes?
___ DRINKING WATER
___ WASTE WATER
✓ OTHER SOIL

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 #: SEE ATTACHED								
6. Sample Labels: Present / Absent								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody								# METAL CORE
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: 6.6°C								
Correction Factor: -1.0								
Corrected Temp: 5.6°C								
Is corrected temp. 0-6°C? Yes / No**								
**Exception (if any): Metals / Perchlorate DFF on Ice or Problem COC								

SAME SET COC

11/21/07

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

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

Page 1 of 1

Project Name: ARCO 1117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 1117
State or Lead Regulatory Agency: Alameda County
Requested Due Date (mm/dd/yy):

On-site Time:	0900	Temp:	55
Off-site Time:		Temp:	
Sky Conditions:	Sunny		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 1117	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 7210 Bancroft Ave, Oakland CA	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.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.:	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: ~~07 Monitoring~~ 01 - ASSESSMENT	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	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: Gas	Requested Analysis: Benzene	Requested Analysis: 1,2 DCA	Requested Analysis: 5oxy*	Requested Analysis: EDB	Requested Analysis: EtOH	Sample Point Lat/Long and Comments
1	~~MW-3 20'~~	~~1050~~	11/20/07	~~X~~				~~X~~												STANDARD TAT
2	~~MW-10 20'~~	~~1055~~																		
3	~~MW-10 30'~~	~~1055~~																		*5oxy = DIPE TAME ETBE MTBE TBA
4	MW-11 20'	1035		X				1	X					X	X	X	X	X	X	
5	MW-11 30'	1055		X				1	X					X	X	X	X	X	X	
6	~~MW-12 20'~~	~~1130~~																		
7	~~MW-12 30'~~	~~1130~~																		
8	DPE-3 20'	1400		X				1	X					X	X	X	X	X	X	
9	DPE-3 35'	1425		X				1	X					X	X	X	X	X	X	
10																				

Sampler's Name: Collin Fischer	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Stratus Env., Inc.	[signature] / Stratus Env.	11/20/07	1800		
Shipment Date: 11-20-07					
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

TestAmerica
ANALYTICAL TESTING CORPORATION

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

5 December, 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: MQK0636

Enclosed are the results of analyses for samples received by the laboratory on 11/20/07 10:53. 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	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DPE-1 5'	MQK0636-01	Soil	11/19/07 12:40	11/20/07 10:53
DPE-1 10'	MQK0636-02	Soil	11/19/07 12:45	11/20/07 10:53
DPE-1 15'	MQK0636-03	Soil	11/19/07 12:50	11/20/07 10:53
DPE-1 20'	MQK0636-04	Soil	11/19/07 12:55	11/20/07 10:53
DPE-1 25'	MQK0636-05	Soil	11/19/07 13:00	11/20/07 10:53
DPE-1 30'	MQK0636-06	Soil	11/19/07 13:05	11/20/07 10:53
DPE-1 35'	MQK0636-07	Soil	11/19/07 13:10	11/20/07 10:53
DPE-1 40'	MQK0636-08	Soil	11/19/07 13:15	11/20/07 10:53

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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Morgan Hill, CA 95037
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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-1 25' (MQK0636-05) Soil Sampled: 11/19/07 13:00 Received: 11/20/07 10:53									**BU**
Gasoline Range Organics (C4-C12)	ND	0.10	mg/kg	1	7L04043	11/23/07	12/05/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*70-120*		"	"	"	"	
DPE-1 35' (MQK0636-07) Soil Sampled: 11/19/07 13:10 Received: 11/20/07 10:53									
Gasoline Range Organics (C4-C12)	ND	0.10	mg/kg	1	7K27005	11/27/07	11/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-1 25' (MQK0636-05) Soil Sampled: 11/19/07 13:00 Received: 11/20/07 10:53									**BU**
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	7L04043	11/23/07	12/05/07	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	**0.28**	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*60-125*		"	"	"	"	
DPE-1 35' (MQK0636-07) Soil Sampled: 11/19/07 13:10 Received: 11/20/07 10:53									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	7K27005	11/27/07	11/27/07	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

Conventional Chemistry Parameters by APHA/EPA Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-1 25' (MQK0636-05) Soil	**Sampled: 11/19/07 13:00**	**Received: 11/20/07 10:53**							
Percent Solids	**84**	1.0	%	1	7K26008	11/22/07	11/26/07	SM2540G	
DPE-1 35' (MQK0636-07) Soil	**Sampled: 11/19/07 13:10**	**Received: 11/20/07 10:53**							
Percent Solids	**80**	1.0	%	1	7K26008	11/22/07	11/26/07	SM2540G	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

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 7K27005 - EPA 5030B P/T / LUFT GCMS										
Blank (7K27005-BLK1)				Prepared & Analyzed: 11/27/07						
Gasoline Range Organics (C4-C12)	ND	0.10	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.00506*		"	*0.00500*		*101*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00488*		"	*0.00500*		*98*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00516*		"	*0.00500*		*103*	*50-135*			
Surrogate: Toluene-d8	*0.00498*		"	*0.00500*		*100*	*70-120*			
Laboratory Control Sample (7K27005-BS2)				Prepared & Analyzed: 11/27/07						
Gasoline Range Organics (C4-C12)	0.966	0.10	mg/kg	1.00		97	60-120			
Surrogate: 1,2-Dichloroethane-d4	*0.00544*		"	*0.00500*		*109*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00522*		"	*0.00500*		*104*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00502*		"	*0.00500*		*100*	*50-135*			
Surrogate: Toluene-d8	*0.00506*		"	*0.00500*		*101*	*70-120*			
Laboratory Control Sample Dup (7K27005-BSD2)				Prepared & Analyzed: 11/27/07						
Gasoline Range Organics (C4-C12)	0.994	0.10	mg/kg	1.00		99	60-120	3	40	
Surrogate: 1,2-Dichloroethane-d4	*0.00504*		"	*0.00500*		*101*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00526*		"	*0.00500*		*105*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00512*		"	*0.00500*		*102*	*50-135*			
Surrogate: Toluene-d8	*0.00504*		"	*0.00500*		*101*	*70-120*			
Matrix Spike (7K27005-MS1)	**Source: MQK0711-01**			Prepared & Analyzed: 11/27/07						
Gasoline Range Organics (C4-C12)	1.12	0.10	mg/kg	1.10	0.321	73	50-135			
Surrogate: 1,2-Dichloroethane-d4	*0.00466*		"	*0.00500*		*93*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00428*		"	*0.00500*		*86*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00486*		"	*0.00500*		*97*	*50-135*			
Surrogate: Toluene-d8	*0.00480*		"	*0.00500*		*96*	*70-120*			
Matrix Spike Dup (7K27005-MSD1)	**Source: MQK0711-01**			Prepared & Analyzed: 11/27/07						
Gasoline Range Organics (C4-C12)	0.949	0.10	mg/kg	1.10	0.321	57	50-135	17	40	
Surrogate: 1,2-Dichloroethane-d4	*0.00482*		"	*0.00500*		*96*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00402*		"	*0.00500*		*80*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00512*		"	*0.00500*		*102*	*50-135*			
Surrogate: Toluene-d8	*0.00476*		"	*0.00500*		*95*	*70-120*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

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 7L04043 - EPA 5030B P/T / LUFT GCMS										
Blank (7L04043-BLK1)				Prepared: 11/23/07 Analyzed: 12/04/07						
Gasoline Range Organics (C4-C12)	ND	0.10	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.00552*		"	*0.00500*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00472*		"	*0.00500*		*94*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00502*		"	*0.00500*		*100*	*50-135*			
Surrogate: Toluene-d8	*0.00490*		"	*0.00500*		*98*	*70-120*			
Laboratory Control Sample (7L04043-BS2)				Prepared & Analyzed: 12/04/07						
Gasoline Range Organics (C4-C12)	0.966	0.10	mg/kg	1.00		97	60-120			
Surrogate: 1,2-Dichloroethane-d4	*0.00584*		"	*0.00500*		*117*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00502*		"	*0.00500*		*100*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00516*		"	*0.00500*		*103*	*50-135*			
Surrogate: Toluene-d8	*0.00514*		"	*0.00500*		*103*	*70-120*			
Laboratory Control Sample Dup (7L04043-BSD2)				Prepared & Analyzed: 12/04/07						
Gasoline Range Organics (C4-C12)	0.875	0.10	mg/kg	1.00		88	60-120	10	40	
Surrogate: 1,2-Dichloroethane-d4	*0.00544*		"	*0.00500*		*109*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00518*		"	*0.00500*		*104*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00496*		"	*0.00500*		*99*	*50-135*			
Surrogate: Toluene-d8	*0.00498*		"	*0.00500*		*100*	*70-120*			
Matrix Spike (7L04043-MS2)	**Source: MQL0021-03RE1**			Prepared: 12/04/07 Analyzed: 12/05/07						
Gasoline Range Organics (C4-C12)	1.23	0.10	mg/kg	1.10	ND	112	50-135			
Surrogate: 1,2-Dichloroethane-d4	*0.00546*		"	*0.00500*		*109*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00510*		"	*0.00500*		*102*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00540*		"	*0.00500*		*108*	*50-135*			
Surrogate: Toluene-d8	*0.00506*		"	*0.00500*		*101*	*70-120*			
Matrix Spike Dup (7L04043-MSD2)	**Source: MQL0021-03RE1**			Prepared: 12/04/07 Analyzed: 12/05/07						
Gasoline Range Organics (C4-C12)	1.06	0.10	mg/kg	1.10	ND	97	50-135	15	40	
Surrogate: 1,2-Dichloroethane-d4	*0.00534*		"	*0.00500*		*107*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00514*		"	*0.00500*		*103*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00558*		"	*0.00500*		*112*	*50-135*			
Surrogate: Toluene-d8	*0.00516*		"	*0.00500*		*103*	*70-120*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

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 7K27005 - EPA 5030B P/T / EPA 8260B										
Blank (7K27005-BLK1)				Prepared & Analyzed: 11/27/07						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	*0.00516*		"	*0.00500*		*103*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00506*		"	*0.00500*		*101*	*65-135*			
Surrogate: Toluene-d8	*0.00498*		"	*0.00500*		*100*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00488*		"	*0.00500*		*98*	*60-125*			
Laboratory Control Sample (7K27005-BS1)				Prepared & Analyzed: 11/27/07						
tert-Amyl methyl ether	0.0217	0.0050	mg/kg	0.0200		108	65-145			
Benzene	0.0214	0.0050	"	0.0200		107	75-125			
tert-Butyl alcohol	0.370	0.020	"	0.400		93	70-125			
Di-isopropyl ether	0.0208	0.0050	"	0.0200		104	60-140			
1,2-Dibromoethane (EDB)	0.0217	0.0050	"	0.0200		108	75-140			
1,2-Dichloroethane	0.0208	0.0050	"	0.0200		104	70-135			
Ethanol	0.431	0.10	"	0.400		108	45-150			
Ethyl tert-butyl ether	0.0210	0.0050	"	0.0200		105	65-140			
Ethylbenzene	0.0223	0.0050	"	0.0200		112	75-130			
Methyl tert-butyl ether	0.0205	0.0050	"	0.0200		102	60-140			
Toluene	0.0216	0.0050	"	0.0200		108	75-135			
Xylenes (total)	0.0668	0.0050	"	0.0600		111	75-135			
Surrogate: Dibromofluoromethane	*0.00528*		"	*0.00500*		*106*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00486*		"	*0.00500*		*97*	*65-135*			
Surrogate: Toluene-d8	*0.00504*		"	*0.00500*		*101*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00508*		"	*0.00500*		*102*	*60-125*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

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 7K27005 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7K27005-MS1)	**Source: MQK0711-01**			Prepared & Analyzed: 11/27/07						
tert-Amyl methyl ether	0.0232	0.0050	mg/kg	0.0200	ND	116	65-140			
Benzene	0.0228	0.0050	"	0.0200	ND	114	65-145			
tert-Butyl alcohol	0.383	0.020	"	0.400	ND	96	70-130			
Di-isopropyl ether	0.0218	0.0050	"	0.0200	ND	109	65-145			
1,2-Dibromoethane (EDB)	0.0189	0.0050	"	0.0200	ND	95	60-150			
1,2-Dichloroethane	0.0199	0.0050	"	0.0200	ND	100	60-140			
Ethanol	0.270	0.10	"	0.400	ND	67	35-150			
Ethyl tert-butyl ether	0.0222	0.0050	"	0.0200	ND	111	65-150			
Ethylbenzene	0.0249	0.0050	"	0.0200	ND	125	75-140			
Methyl tert-butyl ether	0.0212	0.0050	"	0.0200	ND	106	60-150			
Toluene	0.0224	0.0050	"	0.0200	ND	112	65-140			
Xylenes (total)	0.0762	0.0050	"	0.0600	ND	127	70-145			
Surrogate: Dibromofluoromethane	*0.00486*		"	*0.00500*		*97*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00466*		"	*0.00500*		*93*	*65-135*			
Surrogate: Toluene-d8	*0.00480*		"	*0.00500*		*96*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00428*		"	*0.00500*		*86*	*60-125*			
Matrix Spike Dup (7K27005-MSD1)	**Source: MQK0711-01**			Prepared & Analyzed: 11/27/07						
tert-Amyl methyl ether	0.0233	0.0050	mg/kg	0.0200	ND	117	65-140	0.5	25	
Benzene	0.0215	0.0050	"	0.0200	ND	107	65-145	6	25	
tert-Butyl alcohol	0.367	0.020	"	0.400	ND	92	70-130	4	25	
Di-isopropyl ether	0.0220	0.0050	"	0.0200	ND	110	65-145	1	40	
1,2-Dibromoethane (EDB)	0.0173	0.0050	"	0.0200	ND	87	60-150	9	30	
1,2-Dichloroethane	0.0196	0.0050	"	0.0200	ND	98	60-140	2	25	
Ethanol	0.188	0.10	"	0.400	ND	47	35-150	36	30	LN
Ethyl tert-butyl ether	0.0229	0.0050	"	0.0200	ND	114	65-150	3	30	
Ethylbenzene	0.0188	0.0050	"	0.0200	ND	94	75-140	28	30	
Methyl tert-butyl ether	0.0219	0.0050	"	0.0200	ND	110	60-150	3	25	
Toluene	0.0183	0.0050	"	0.0200	ND	92	65-140	20	25	
Xylenes (total)	0.0571	0.0050	"	0.0600	ND	95	70-145	29	30	
Surrogate: Dibromofluoromethane	*0.00512*		"	*0.00500*		*102*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00482*		"	*0.00500*		*96*	*65-135*			
Surrogate: Toluene-d8	*0.00476*		"	*0.00500*		*95*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00402*		"	*0.00500*		*80*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

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 7L04043 - EPA 5030B P/T / EPA 8260B										
Blank (7L04043-BLK1)				Prepared: 11/23/07 Analyzed: 12/04/07						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	*0.00502*		"	*0.00500*		*100*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00552*		"	*0.00500*		*110*	*65-135*			
Surrogate: Toluene-d8	*0.00490*		"	*0.00500*		*98*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00472*		"	*0.00500*		*94*	*60-125*			
Laboratory Control Sample (7L04043-BS1)				Prepared & Analyzed: 12/04/07						
tert-Amyl methyl ether	0.0230	0.0050	mg/kg	0.0200		115	65-145			
Benzene	0.0222	0.0050	"	0.0200		111	75-125			
tert-Butyl alcohol	0.393	0.020	"	0.400		98	70-125			
Di-isopropyl ether	0.0237	0.0050	"	0.0200		118	60-140			
1,2-Dibromoethane (EDB)	0.0240	0.0050	"	0.0200		120	75-140			
1,2-Dichloroethane	0.0250	0.0050	"	0.0200		125	70-135			
Ethanol	0.465	0.10	"	0.400		116	45-150			
Ethyl tert-butyl ether	0.0239	0.0050	"	0.0200		120	65-140			
Ethylbenzene	0.0222	0.0050	"	0.0200		111	75-130			
Methyl tert-butyl ether	0.0233	0.0050	"	0.0200		117	60-140			
Toluene	0.0208	0.0050	"	0.0200		104	75-135			
Xylenes (total)	0.0670	0.0050	"	0.0600		112	75-135			
Surrogate: Dibromofluoromethane	*0.00524*		"	*0.00500*		*105*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00558*		"	*0.00500*		*112*	*65-135*			
Surrogate: Toluene-d8	*0.00510*		"	*0.00500*		*102*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00532*		"	*0.00500*		*106*	*60-125*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

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 7L04043 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7L04043-MS1)	**Source: MQL0021-03**			Prepared: 12/04/07		Analyzed: 12/05/07				
tert-Amyl methyl ether	0.0224	0.0050	mg/kg	0.0200	ND	112	65-140			
Benzene	0.0225	0.0050	"	0.0200	ND	113	65-145			
tert-Butyl alcohol	0.410	0.020	"	0.400	ND	102	70-130			
Di-isopropyl ether	0.0238	0.0050	"	0.0200	ND	119	65-145			
1,2-Dibromoethane (EDB)	0.0236	0.0050	"	0.0200	ND	118	60-150			
1,2-Dichloroethane	0.0250	0.0050	"	0.0200	ND	125	60-140			
Ethanol	0.465	0.10	"	0.400	ND	116	35-150			
Ethyl tert-butyl ether	0.0241	0.0050	"	0.0200	ND	120	65-150			
Ethylbenzene	0.0232	0.0050	"	0.0200	ND	116	75-140			
Methyl tert-butyl ether	0.0221	0.0050	"	0.0200	ND	111	60-150			
Toluene	0.0212	0.0050	"	0.0200	0.000400	104	65-140			
Xylenes (total)	0.0688	0.0050	"	0.0600	0.000220	114	70-145			
Surrogate: Dibromofluoromethane	*0.00540*		"	*0.00500*		*108*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00546*		"	*0.00500*		*109*	*65-135*			
Surrogate: Toluene-d8	*0.00506*		"	*0.00500*		*101*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00510*		"	*0.00500*		*102*	*60-125*			
Matrix Spike Dup (7L04043-MSD1)	**Source: MQL0021-03**			Prepared: 12/04/07		Analyzed: 12/05/07				
tert-Amyl methyl ether	0.0214	0.0050	mg/kg	0.0200	ND	107	65-140	4	25	
Benzene	0.0213	0.0050	"	0.0200	ND	106	65-145	6	25	
tert-Butyl alcohol	0.375	0.020	"	0.400	ND	94	70-130	9	25	
Di-isopropyl ether	0.0224	0.0050	"	0.0200	ND	112	65-145	6	40	
1,2-Dibromoethane (EDB)	0.0213	0.0050	"	0.0200	ND	107	60-150	10	30	
1,2-Dichloroethane	0.0233	0.0050	"	0.0200	ND	116	60-140	7	25	
Ethanol	0.442	0.10	"	0.400	ND	110	35-150	5	30	
Ethyl tert-butyl ether	0.0223	0.0050	"	0.0200	ND	111	65-150	8	30	
Ethylbenzene	0.0213	0.0050	"	0.0200	ND	107	75-140	8	30	
Methyl tert-butyl ether	0.0209	0.0050	"	0.0200	ND	104	60-150	6	25	
Toluene	0.0201	0.0050	"	0.0200	0.000400	99	65-140	5	25	
Xylenes (total)	0.0645	0.0050	"	0.0600	0.000220	107	70-145	6	30	
Surrogate: Dibromofluoromethane	*0.00558*		"	*0.00500*		*112*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00534*		"	*0.00500*		*107*	*65-135*			
Surrogate: Toluene-d8	*0.00516*		"	*0.00500*		*103*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00514*		"	*0.00500*		*103*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0636
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K26008 - General Preparation / SM2540G										
Blank (7K26008-BLK1)				Prepared: 11/22/07 Analyzed: 11/26/07						
Percent Solids	ND	1.0	%							
Duplicate (7K26008-DUP1)	**Source: MQK0636-05**			Prepared: 11/22/07 Analyzed: 11/26/07						
Percent Solids	84.7	1.0	%		84.5			0.2	20	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/05/07 15:10

Notes and Definitions

LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
BU	Sample analyzed after holding time expired
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

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Monday, November 26, 2007 9:38 AM
To: Lisa Race
Subject: RE: COCs missing ENFOS numbers - MQK0631,MQK0632, MQK0636 & MQK0677
Attachments: Revised COC's.pdf

Hi Lisa,

The Enfos # for 11117 is G07TK-0035 (both COC's)
for 11245 it is G07XV-0043 (for both COC's)

REVISED

Revised COC's attached.

Thank you,

Sandy Hayes
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682
shayes@stratusinc.net
Phone: 530.313.9964
Fax: 530.676.6005

-----Original Message-----
From: Lisa Race [mailto:lisa.race@testamericainc.com]
Sent: Thursday, November 22, 2007 2:26 PM
To: knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Scott Bittinger; Sonia Nandi
Subject: COCs missing ENFOS numbers - MQK0631,MQK0632, MQK0636 & MQK0677

Please add the ENFOS number to the attached COCs and return.

See attached. Feel free to contact me with any questions. Please note new e-mail address: Lisa.Race@Testamericainc.com

LISA RACE
Senior Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
Tel 408.782.8156 | Fax 408.782.6308
www.testamericainc.com www.stl-inc.com

Fed Ex # 118830881

Atlantic Richfield Company
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Chain of Custody Record

Page 1 of 1

Project Name: ARCO 11117

BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117

State or Lead Regulatory Agency: ALAMEDA COUNTY

Requested Due Date (mm/dd/yy):

On-site Time: 0700 Temp: 55
Off-site Time: 1430 Temp: 60
Sky Conditions: Partly Cloudy
Meteorological Events:
Wind Speed: Direction:

Lab Name: TestAmerica	BP/AR Facility No.: 11117	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 7210 Bancroft Avenue	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95937	Site Lat/Long: Oakland, CA.	Cameron Park, CA 95682
Lab PM: Lisa Race	California Global ID No.: T0600100201	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G07TK-0035	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	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	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. MQK0686	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: GRO	BTEX	1,2 DCA	5 Oxys	EDB	ETOH					Sample Point Lat/Long and Comments (REVISED)
1	DPE-1 5'	1240	11/19/07	X			01	1	X					X	X	X	X	X	X					STANDARD TAT
2	DPE-1 10'	1245	↓	↓			02	1	↓					↓	↓	↓	↓	↓	↓					
3	DPE-1 15'	1250	↓	↓			03	1	↓					↓	↓	↓	↓	↓	↓					5 Oxys => DIPE
4	DPE-1 20'	1255	↓	↓			04	1	↓					↓	↓	↓	↓	↓	↓					TAME
5	DPE-1 25'	1300	↓	↓			05	1	↓					↓	↓	↓	↓	↓	↓					ETBE
6	DPE-1 30'	1305	↓	↓			06	1	↓					↓	↓	↓	↓	↓	↓					MTBE
7	DPE-1 35'	1310	↓	↓			07	1	↓					↓	↓	↓	↓	↓	↓					TBA
8	DPE-1 40'	1315	↓	↓			08	1	↓					↓	↓	↓	↓	↓	↓					
9																								
10																								

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Collin Hoover	[signature]	11/19/07	1900	JULIE N. TAM	11/20/07	1053
Sampler's Company: STRATUS ENV., INC.						
Shipment Date: 11-19-07						
Shipment Method:						
Shipment Tracking No:						

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

11/20/07 @ 1208 Analyze DPE-1-25' & DPE-1-35' only LR

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

Fed Ex # 118830881

Atlantic Richfield Company

bp A BP affiliated company

Chain of Custody Record

Page 1 of 1

Project Name: ARCO 11117

BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117

State or Lead Regulatory Agency: ALAMEDA COUNTY

Requested Due Date (mm/dd/yy):

On-site Time: 0700	Temp: 58		
Off-site Time: 1430	Temp: 60		
Sky Conditions: Partly Cloudy			
Meteorological Events: —			
Wind Speed: —	Direction: —		

Lab Name: TestAmerica	BP/AR Facility No.: 11117	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 7210 BANCROFT AVENUE	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95937	OAKLAND, CA.	Cameron Park, CA 95682
Lab PM: Lisa Race	Site Lat/Long:	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	California Global ID No.: T0600100201	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Enfos Project No.:	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Provision or OOC (circle one) Provision	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Phase/WBS: 01- ASSESSMENT	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Sub Phase/Task: 03-Analytical	Invoice to: Atlantic Richfield Co.
Lab Bottle Order No:	Cost Element: 01-Contractor labor	

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No. MQK0686	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: GRO	BTEX	1,2 DCA	5 Oxys (DIPE, TAME, ETBE, MTBE, TBA)	EDB	Ethanol	Sample Point Lat/Long and Comments
1	DPE-1 5'	1240	11/19/07	X			01	1	X					X	X	X	X	X	X	
2	DPE-1 10'	1245	↓	↓			02	1	↓					↓	↓	↓	↓	↓	↓	STANDARD TAT
3	DPE-1 15'	1250					03	1												5 Oxys => DIPE
4	DPE-1 20'	1255					04	1												TAME
5	DPE-1 25'	1300					05	1												ETBE
6	DPE-1 30'	1305					06	1												MTBE
7	DPE-1 35'	1310					07	1												TBA
8	DPE-1 40'	1315	↓	↓			08	1	↓					↓	↓	↓	↓	↓	↓	
9																				
10																				

Sampler's Name: Collin Fischer

Sampler's Company: STRATUS ENV., INC.

Shipment Date: 11-19-07

Shipment Method:

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	11-19-07	1900	JULIE N. / TAMH	11/20/07	1053

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

11/20/07 @ 12:08 Analyze DPE-1-35' of DPE-1-35' only LR

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 5.0 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

11/30/07 1053

FedEx. *US Airbill* Express

FedEx Tracking Number 8606 8478 7052

[redacted]

Recipient's Copy

1 From

Date 11-14-07

Sender's Name [illegible] Phone [illegible]

Company

Address 3330 [illegible] Dept/Floor/Suite/Room

City [illegible] State CA ZIP [illegible]

2 Your Internal Billing Reference

3 To

Recipient's Name [illegible] Phone [illegible]

Company [illegible]

Recipient's Address [illegible] Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City [illegible] State CA ZIP [illegible]

8606 8478 7052

fedex.com 1.800.GoFedEx 1.800.463.3339

4a Express Package Service Packages up to 150 lbs.

- [ ] FedEx Priority Overnight
- [x] FedEx Standard Overnight
- [ ] FedEx First Overnight
- [ ] FedEx 2Day
- [ ] FedEx Express Saver

4b Express Freight Service Packages over 150 lbs.

- [ ] FedEx 1Day Freight
- [ ] FedEx 2Day Freight
- [ ] FedEx 3Day Freight

5 Packaging

- [ ] FedEx Envelope
- [ ] FedEx Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling

- [ ] SATURDAY Delivery
- [ ] HOLD Weekday at FedEx Location
- [ ] HOLD Saturday at FedEx Location

Does this shipment contain dangerous goods?

- [x] No
- [ ] Yes As per attached Shipper's Declaration
- [ ] Yes Shipper's Declaration not required
- [ ] Dry Ice
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

- [x] Sender
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted]

Total Packages 1 | Total Weight | Total Declared Value $ .00 | Total Charges

Our liability is limited to $100 unless you declare a higher value. See back for details.

8 NEW Residential Delivery Signature Options

- [ ] No Signature Required
- [ ] Direct Signature
- [ ] Indirect Signature

520

fedex.com

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO 1117
REC. BY (PRINT): JULIE N.
WORKORDER: MQK0636

DATE REC'D AT LAB: 11/20/07
TIME REC'D AT LAB: 1053
DATE LOGGED IN: 11/20/07

For Regulatory Purposes?
___ DRINKING WATER
___ WASTE WATER
✓ OTHER SOIL

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 #: SEE ATTACHED									
6. Sample Labels:	Present / Absent								* Metal cores
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:	6.8°C								
Correction Factor:	-1.0°C								
Corrected Temp:	5.8°C								
Is corrected temp. 0-6°C?	Yes / No**								

**Exception (if any): Metals / Perchlorate DFF on Ice or Problem COC

JULIE N. SEE COC 11/20/07

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

FED EX # [illegible]

Atlantic Richfield Company
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Chain of Custody Record

Page 1 of 1

Project Name: ARCO 11117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117
State or Lead Regulatory Agency: ALAMEDA COUNTY
Requested Due Date (mm/dd/yy):

On-site Time: 0700	Temp: 58		
Off-site Time: 1430	Temp: 60		
Sky Conditions: PARTLY CLOUDY			
Meteorological Events: —			
Wind Speed: —	Direction: —		

Lab Name: TestAmerica	BP/AR Facility No.: 11117	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 7210 BANCROFT AVENUE	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95937	Site Lat/Long: OAKLAND, CA.	Cameron Park, CA 95682
Lab PM: Lisa Race	California Global ID No.: T0600100201	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: [redacted]	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	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	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	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: GRO	BTEX	1,2 DCA	5 Oxys (DIPE TAME MTBE ETBE TBA)	EDB	EtOH					Sample Point Lat/Long and Comments
1	DPE-1 5'	1240	11/19/07	X				1	X					X	X	X	X	X	X					
2	DPE-1 10'	1245	↓	↓				1	↓					↓	↓	↓	↓	↓	↓					STANDARD TAT
3	DPE-1 15'	1250	↓	↓				1	↓					↓	↓	↓	↓	↓	↓					
4	DPE-1 20'	1255	↓	↓				1	↓					↓	↓	↓	↓	↓	↓					5 Oxys => DIPE
5	DPE-1 25'	1300	↓	↓				1	↓					↓	↓	↓	↓	↓	↓					TAME
6	DPE-1 30'	1305	↓	↓				1	↓					↓	↓	↓	↓	↓	↓					ETBE
7	DPE-1 35'	1310	↓	↓				1	↓					↓	↓	↓	↓	↓	↓					MTBE
8	DPE-1 40'	1315	↓	↓				1	↓					↓	↓	↓	↓	↓	↓					TBA
9								1																
10																								

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: COLLIN FISCHER	[signature]	11-19-07	1900			
Sampler's Company: STRATUS ENV., INC.						
Shipment Date: 11-19-07						
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

TestAmerica
ANALYTICAL TESTING CORPORATION

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

13 December, 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: MQK0830

Enclosed are the results of analyses for samples received by the laboratory on 11/29/07 09:35. 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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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DPE-2 20'	MQK0830-01	Soil	11/21/07 09:10	11/29/07 09:35
DPE-2 30'	MQK0830-02	Soil	11/21/07 09:30	11/29/07 09:35
DPE-5 20'	MQK0830-03	Soil	11/21/07 13:20	11/29/07 09:35
DPE-5 35'	MQK0830-04	Soil	11/21/07 13:50	11/29/07 09:35

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.

Volatiles - The samples were received past the 48 hour hold time for soil sample preparation as specified in the BP GCLN.

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

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-2 20' (MQK0830-01) Soil Sampled: 11/21/07 09:10 Received: 11/29/07 09:35									
Gasoline Range Organics (C4-C12)	ND	0.10	mg/kg	1	7K30039	11/29/07	12/01/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*70-120*		"	"	"	"	
DPE-2 30' (MQK0830-02) Soil Sampled: 11/21/07 09:30 Received: 11/29/07 09:35									
Gasoline Range Organics (C4-C12)	**2200**	250	mg/kg	100	7K21038	11/29/07	12/01/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*70-120*		"	"	"	"	
DPE-5 20' (MQK0830-03) Soil Sampled: 11/21/07 13:20 Received: 11/29/07 09:35									
Gasoline Range Organics (C4-C12)	**1000**	250	mg/kg	100	7K21038	11/29/07	12/01/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*70-120*		"	"	"	"	
DPE-5 35' (MQK0830-04) Soil Sampled: 11/21/07 13:50 Received: 11/29/07 09:35									
Gasoline Range Organics (C4-C12)	**3.5**	0.10	mg/kg	1	7K30039	11/29/07	11/30/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*50-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-120*		"	"	"	"	

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	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-2 20' (MQK0830-01) Soil Sampled: 11/21/07 09:10 Received: 11/29/07 09:35									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	7L03032	12/03/07	12/04/07	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*86 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*85 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85 %*	*60-125*		"	"	"	"	
DPE-2 30' (MQK0830-02) Soil Sampled: 11/21/07 09:30 Received: 11/29/07 09:35									
tert-Amyl methyl ether	ND	2.5	mg/kg	100	7K21038	11/29/07	12/01/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	**12**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**26**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-5 20' (MQK0830-03) Soil Sampled: 11/21/07 13:20 Received: 11/29/07 09:35									
tert-Amyl methyl ether	ND	2.5	mg/kg	100	7K21038	11/29/07	12/01/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	**31**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Toluene	**14**	5.0	"	"	"	"	"	"	
Xylenes (total)	**150**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*60-125*		"	"	"	"	
DPE-5 35' (MQK0830-04) Soil Sampled: 11/21/07 13:50 Received: 11/29/07 09:35									
tert-Amyl methyl ether	**0.012**	0.0050	mg/kg	1	7K30039	11/29/07	11/30/07	EPA 8260B	
tert-Butyl alcohol	**0.61**	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.085**	0.0050	"	"	"	"	"	"	BB
Toluene	**0.011**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.12**	0.0050	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*60-125*		"	"	"	"	
Benzene	**0.41**	0.050	"	"	7K21038	"	12/01/07	"	
Methyl tert-butyl ether	**3.9**	0.025	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*50-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

Conventional Chemistry Parameters by APHA/EPA Methods

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-2 20' (MQK0830-01) Soil	**Sampled: 11/21/07 09:10**	**Received: 11/29/07 09:35**							
Percent Solids	**81**	1.0	%	1	7K30001	11/29/07	11/30/07	SM2540G	
DPE-2 30' (MQK0830-02) Soil	**Sampled: 11/21/07 09:30**	**Received: 11/29/07 09:35**							
Percent Solids	**86**	1.0	%	1	7K30001	11/29/07	11/30/07	SM2540G	
DPE-5 20' (MQK0830-03) Soil	**Sampled: 11/21/07 13:20**	**Received: 11/29/07 09:35**							
Percent Solids	**84**	1.0	%	1	7K30001	11/29/07	11/30/07	SM2540G	
DPE-5 35' (MQK0830-04) Soil	**Sampled: 11/21/07 13:50**	**Received: 11/29/07 09:35**							
Percent Solids	77	1.0	%	1	7K30001	11/29/07	11/30/07	SM2540G	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K21038 - EPA 5030B/5035A MeOH / LUFT GCMS										
Blank (7K21038-BLK1)				Prepared & Analyzed: 12/01/07						
Gasoline Range Organics (C4-C12)	ND	2.5	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.00259*		"	*0.00250*		*104*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00229*		"	*0.00250*		*92*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00228*		"	*0.00250*		*91*	*50-135*			
Surrogate: Toluene-d8	*0.00227*		"	*0.00250*		*91*	*70-120*			
Laboratory Control Sample (7K21038-BS2)				Prepared & Analyzed: 12/01/07						
Gasoline Range Organics (C4-C12)	49.2	2.5	mg/kg	50.0		98	60-120			
Surrogate: 1,2-Dichloroethane-d4	*0.00261*		"	*0.00250*		*104*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00252*		"	*0.00250*		*101*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00237*		"	*0.00250*		*95*	*50-135*			
Surrogate: Toluene-d8	*0.00240*		"	*0.00250*		*96*	*70-120*			
Laboratory Control Sample Dup (7K21038-BSD2)				Prepared: 12/01/07 Analyzed: 12/04/07						
Gasoline Range Organics (C4-C12)	41.9	2.5	mg/kg	50.0		84	60-120	16	40	
Surrogate: 1,2-Dichloroethane-d4	*0.00250*		"	*0.00250*		*100*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00250*		"	*0.00250*		*100*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00250*		"	*0.00250*		*100*	*50-135*			
Surrogate: Toluene-d8	*0.00250*		"	*0.00250*		*100*	*70-120*			
Batch 7K30039 - EPA 5030B P/T / LUFT GCMS										
Blank (7K30039-BLK1)				Prepared: 11/27/07 Analyzed: 11/30/07						
Gasoline Range Organics (C4-C12)	ND	0.10	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.00504*		"	*0.00500*		*101*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00456*		"	*0.00500*		*91*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00486*		"	*0.00500*		*97*	*50-135*			
Surrogate: Toluene-d8	*0.00496*		"	*0.00500*		*99*	*70-120*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K30039 - EPA 5030B P/T / LUFT GCMS										
Laboratory Control Sample (7K30039-BS2)				Prepared & Analyzed: 11/30/07						
Gasoline Range Organics (C4-C12)	1.06	0.10	mg/kg	1.00		106	60-120			
Surrogate: 1,2-Dichloroethane-d4	*0.00492*		"	*0.00500*		*98*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00510*		"	*0.00500*		*102*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00496*		"	*0.00500*		*99*	*50-135*			
Surrogate: Toluene-d8	*0.00496*		"	*0.00500*		*99*	*70-120*			
Laboratory Control Sample Dup (7K30039-BSD2)				Prepared & Analyzed: 11/30/07						
Gasoline Range Organics (C4-C12)	1.05	0.10	mg/kg	1.00		105	60-120	1	40	
Surrogate: 1,2-Dichloroethane-d4	*0.00490*		"	*0.00500*		*98*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00516*		"	*0.00500*		*103*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00468*		"	*0.00500*		*94*	*50-135*			
Surrogate: Toluene-d8	*0.00502*		"	*0.00500*		*100*	*70-120*			
Matrix Spike (7K30039-MS1)	**Source: MQK0830-04**			Prepared & Analyzed: 11/30/07						
Gasoline Range Organics (C4-C12)	5.44	0.10	mg/kg	1.10	3.46	181	50-135			LM,AY
Surrogate: 1,2-Dichloroethane-d4	*0.00466*		"	*0.00500*		*93*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00510*		"	*0.00500*		*102*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00490*		"	*0.00500*		*98*	*50-135*			
Surrogate: Toluene-d8	*0.00494*		"	*0.00500*		*99*	*70-120*			
Matrix Spike Dup (7K30039-MSD1)	**Source: MQK0830-04**			Prepared: 11/30/07 Analyzed: 12/01/07						
Gasoline Range Organics (C4-C12)	6.04	0.10	mg/kg	1.10	3.46	235	50-135	10	40	LM,AY
Surrogate: 1,2-Dichloroethane-d4	*0.00470*		"	*0.00500*		*94*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*0.00522*		"	*0.00500*		*104*	*60-125*			
Surrogate: Dibromofluoromethane	*0.00484*		"	*0.00500*		*97*	*50-135*			
Surrogate: Toluene-d8	*0.00504*		"	*0.00500*		*101*	*70-120*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K21038 - EPA 5030B/5035A MeOH / EPA 8260B										
Blank (7K21038-BLK1)				Prepared & Analyzed: 12/01/07						
tert-Amyl methyl ether	ND	0.025	mg/kg							
Benzene	ND	0.050	"							
tert-Butyl alcohol	ND	5.0	"							
Di-isopropyl ether	ND	0.025	"							
1,2-Dibromoethane (EDB)	ND	0.025	"							
1,2-Dichloroethane	ND	0.025	"							
Ethanol	ND	10	"							
Ethyl tert-butyl ether	ND	0.025	"							
Ethylbenzene	ND	0.050	"							
Methyl tert-butyl ether	ND	0.025	"							
Toluene	ND	0.050	"							
Xylenes (total)	ND	0.050	"							
Surrogate: Dibromofluoromethane	*0.00228*		"	*0.00250*		*91*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00259*		"	*0.00250*		*104*	*65-135*			
Surrogate: Toluene-d8	*0.00227*		"	*0.00250*		*91*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00229*		"	*0.00250*		*92*	*60-125*			
Laboratory Control Sample (7K21038-BS1)				Prepared & Analyzed: 12/01/07						
tert-Amyl methyl ether	1.12	0.025	mg/kg	1.00		112	65-145			
Benzene	1.03	0.050	"	1.00		103	75-125			
tert-Butyl alcohol	20.3	5.0	"	20.0		102	70-125			
Di-isopropyl ether	1.08	0.025	"	1.00		108	60-140			
1,2-Dibromoethane (EDB)	1.02	0.025	"	1.00		102	75-140			
1,2-Dichloroethane	1.02	0.025	"	1.00		102	70-135			
Ethanol	15.9	10	"	20.0		80	45-150			
Ethyl tert-butyl ether	1.11	0.025	"	1.00		111	65-140			
Ethylbenzene	1.02	0.050	"	1.00		102	75-130			
Methyl tert-butyl ether	1.12	0.025	"	1.00		112	60-140			
Toluene	1.01	0.050	"	1.00		101	75-135			
Xylenes (total)	3.20	0.050	"	3.00		107	75-135			
Surrogate: Dibromofluoromethane	*0.00242*		"	*0.00250*		*97*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00261*		"	*0.00250*		*104*	*65-135*			
Surrogate: Toluene-d8	*0.00235*		"	*0.00250*		*94*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00239*		"	*0.00250*		*96*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K21038 - EPA 5030B/5035A MeOH / EPA 8260B										
Laboratory Control Sample Dup (7K21038-BSD1)				Prepared & Analyzed: 12/01/07						
tert-Amyl methyl ether	1.10	0.025	mg/kg	1.00		110	65-145	2	25	
Benzene	1.09	0.050	"	1.00		109	75-125	6	25	
tert-Butyl alcohol	20.5	5.0	"	20.0		103	70-125	0.9	25	
Di-isopropyl ether	1.13	0.025	"	1.00		113	60-140	4	40	
1,2-Dibromoethane (EDB)	1.04	0.025	"	1.00		104	75-140	2	30	
1,2-Dichloroethane	1.04	0.025	"	1.00		104	70-135	1	25	
Ethanol	15.0	10	"	20.0		75	45-150	6	30	
Ethyl tert-butyl ether	1.10	0.025	"	1.00		110	65-140	1	30	
Ethylbenzene	1.09	0.050	"	1.00		109	75-130	7	30	
Methyl tert-butyl ether	1.03	0.025	"	1.00		103	60-140	8	25	
Toluene	1.08	0.050	"	1.00		108	75-135	6	25	
Xylenes (total)	3.34	0.050	"	3.00		111	75-135	4	30	
Surrogate: Dibromofluoromethane	*0.00240*		"	*0.00250*		*96*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00248*		"	*0.00250*		*99*	*65-135*			
Surrogate: Toluene-d8	*0.00235*		"	*0.00250*		*94*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00233*		"	*0.00250*		*93*	*60-125*			
Batch 7K30039 - EPA 5030B P/T / EPA 8260B										
Blank (7K30039-BLK1)				Prepared: 11/27/07 Analyzed: 11/30/07						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	*0.00486*		"	*0.00500*		*97*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00504*		"	*0.00500*		*101*	*65-135*			
Surrogate: Toluene-d8	*0.00496*		"	*0.00500*		*99*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00456*		"	*0.00500*		*91*	*60-125*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K30039 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7K30039-BS1)				Prepared & Analyzed: 11/30/07						
tert-Amyl methyl ether	0.0243	0.0050	mg/kg	0.0200		121	65-145			
Benzene	0.0223	0.0050	"	0.0200		112	75-125			
tert-Butyl alcohol	0.390	0.020	"	0.400		97	70-125			
Di-isopropyl ether	0.0224	0.0050	"	0.0200		112	60-140			
1,2-Dibromoethane (EDB)	0.0223	0.0050	"	0.0200		112	75-140			
1,2-Dichloroethane	0.0225	0.0050	"	0.0200		113	70-135			
Ethanol	0.409	0.10	"	0.400		102	45-150			
Ethyl tert-butyl ether	0.0231	0.0050	"	0.0200		116	65-140			
Ethylbenzene	0.0226	0.0050	"	0.0200		113	75-130			
Methyl tert-butyl ether	0.0222	0.0050	"	0.0200		111	60-140			
Toluene	0.0211	0.0050	"	0.0200		105	75-135			
Xylenes (total)	0.0688	0.0050	"	0.0600		115	75-135			
Surrogate: Dibromofluoromethane	*0.00508*		"	*0.00500*		*102*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00502*		"	*0.00500*		*100*	*65-135*			
Surrogate: Toluene-d8	*0.00502*		"	*0.00500*		*100*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00512*		"	*0.00500*		*102*	*60-125*			
Matrix Spike (7K30039-MS1)	**Source: MQK0830-04**			Prepared & Analyzed: 11/30/07						
tert-Amyl methyl ether	0.0385	0.0050	mg/kg	0.0200	0.0122	131	65-140			
Benzene	0.327	0.0050	"	0.0200	0.210	590	65-145			BB, EY
tert-Butyl alcohol	0.889	0.020	"	0.400	0.606	71	70-130			
Di-isopropyl ether	0.0227	0.0050	"	0.0200	ND	113	65-145			
1,2-Dibromoethane (EDB)	0.0219	0.0050	"	0.0200	ND	110	60-150			
1,2-Dichloroethane	0.0240	0.0050	"	0.0200	0.00182	111	60-140			
Ethanol	0.459	0.10	"	0.400	ND	115	35-150			
Ethyl tert-butyl ether	0.0234	0.0050	"	0.0200	0.000640	114	65-150			
Ethylbenzene	0.161	0.0050	"	0.0200	0.0853	380	75-140			BB
Methyl tert-butyl ether	1.38	0.0050	"	0.0200	1.38	3	60-150			BB, EY
Toluene	0.0388	0.0050	"	0.0200	0.0108	140	65-140			
Xylenes (total)	0.223	0.0050	"	0.0600	0.123	167	70-145			BB
Surrogate: Dibromofluoromethane	*0.00490*		"	*0.00500*		*98*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00466*		"	*0.00500*		*93*	*65-135*			
Surrogate: Toluene-d8	*0.00494*		"	*0.00500*		*99*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00510*		"	*0.00500*		*102*	*60-125*			

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	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K30039 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (7K30039-MSD1)	**Source: MQK0830-04**			Prepared: 11/30/07 Analyzed: 12/01/07						
tert-Amyl methyl ether	0.0427	0.0050	mg/kg	0.0200	0.0122	152	65-140	10	25	LM,AY
Benzene	0.374	0.0050	"	0.0200	0.210	823	65-145	13	25	BB, EY
tert-Butyl alcohol	0.963	0.020	"	0.400	0.606	89	70-130	8	25	
Di-isopropyl ether	0.0221	0.0050	"	0.0200	ND	110	65-145	3	40	
1,2-Dibromoethane (EDB)	0.0223	0.0050	"	0.0200	ND	111	60-150	2	30	
1,2-Dichloroethane	0.0241	0.0050	"	0.0200	0.00182	111	60-140	0.4	25	
Ethanol	0.432	0.10	"	0.400	ND	108	35-150	6	30	
Ethyl tert-butyl ether	0.0239	0.0050	"	0.0200	0.000640	116	65-150	2	30	
Ethylbenzene	0.189	0.0050	"	0.0200	0.0853	519	75-140	16	30	BB
Methyl tert-butyl ether	1.48	0.0050	"	0.0200	1.38	500	60-150	7	25	BB, EY
Toluene	0.0424	0.0050	"	0.0200	0.0108	158	65-140	9	25	LM,AY
Xylenes (total)	0.252	0.0050	"	0.0600	0.123	214	70-145	12	30	BB
Surrogate: Dibromofluoromethane	*0.00484*		"	*0.00500*		*97*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00470*		"	*0.00500*		*94*	*65-135*			
Surrogate: Toluene-d8	*0.00504*		"	*0.00500*		*101*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00522*		"	*0.00500*		*104*	*60-125*			
Batch 7L03032 - EPA 5030B P/T / EPA 8260B										
Blank (7L03032-BLK1)				Prepared & Analyzed: 12/03/07						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane	*0.00454*		"	*0.00500*		*91*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00480*		"	*0.00500*		*96*	*65-135*			
Surrogate: Toluene-d8	*0.00450*		"	*0.00500*		*90*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00428*		"	*0.00500*		*86*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L03032 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7L03032-BS1)				Prepared & Analyzed: 12/03/07						
tert-Amyl methyl ether	0.0190	0.0050	mg/kg	0.0200		95	65-145			
Benzene	0.0189	0.0050	"	0.0200		94	75-125			
tert-Butyl alcohol	0.387	0.020	"	0.400		97	70-125			
Di-isopropyl ether	0.0175	0.0050	"	0.0200		88	60-140			
1,2-Dibromoethane (EDB)	0.0186	0.0050	"	0.0200		93	75-140			
1,2-Dichloroethane	0.0171	0.0050	"	0.0200		86	70-135			
Ethanol	0.393	0.10	"	0.400		98	45-150			
Ethyl tert-butyl ether	0.0176	0.0050	"	0.0200		88	65-140			
Ethylbenzene	0.0203	0.0050	"	0.0200		102	75-130			
Methyl tert-butyl ether	0.0172	0.0050	"	0.0200		86	60-140			
Toluene	0.0189	0.0050	"	0.0200		94	75-135			
Xylenes (total)	0.0606	0.0050	"	0.0600		101	75-135			
Surrogate: Dibromofluoromethane	*0.00444*		"	*0.00500*		*89*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00422*		"	*0.00500*		*84*	*65-135*			
Surrogate: Toluene-d8	*0.00456*		"	*0.00500*		*91*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00462*		"	*0.00500*		*92*	*60-125*			
Laboratory Control Sample Dup (7L03032-BSD1)				Prepared & Analyzed: 12/03/07						
tert-Amyl methyl ether	0.0175	0.0050	mg/kg	0.0200		88	65-145	8	25	
Benzene	0.0186	0.0050	"	0.0200		93	75-125	1	25	
tert-Butyl alcohol	0.380	0.020	"	0.400		95	70-125	2	25	
Di-isopropyl ether	0.0174	0.0050	"	0.0200		87	60-140	0.6	40	
1,2-Dibromoethane (EDB)	0.0187	0.0050	"	0.0200		94	75-140	0.4	30	
1,2-Dichloroethane	0.0175	0.0050	"	0.0200		87	70-135	2	25	
Ethanol	0.388	0.10	"	0.400		97	45-150	1	30	
Ethyl tert-butyl ether	0.0180	0.0050	"	0.0200		90	65-140	2	30	
Ethylbenzene	0.0198	0.0050	"	0.0200		99	75-130	3	30	
Methyl tert-butyl ether	0.0173	0.0050	"	0.0200		87	60-140	1	25	
Toluene	0.0184	0.0050	"	0.0200		92	75-135	2	25	
Xylenes (total)	0.0588	0.0050	"	0.0600		98	75-135	3	30	
Surrogate: Dibromofluoromethane	*0.00458*		"	*0.00500*		*92*	*50-135*			
Surrogate: 1,2-Dichloroethane-d4	*0.00430*		"	*0.00500*		*86*	*65-135*			
Surrogate: Toluene-d8	*0.00472*		"	*0.00500*		*94*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*0.00470*		"	*0.00500*		*94*	*60-125*			

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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K30001 - General Preparation / SM2540G										
Blank (7K30001-BLK1)				Prepared: 11/29/07 Analyzed: 11/30/07						
Percent Solids	ND	1.0	%							
Duplicate (7K30001-DUP1)	**Source: MQK0830-03**			Prepared: 11/29/07 Analyzed: 11/30/07						
Percent Solids	84.0	1.0	%		84.2			0.2	20	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0830
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/13/07 10:20

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
LM,AY	MS and/or MSD above acceptance limits. See Blank Spike(LCS). Matrix interference suspected.
EY	Result exceeds normal dynamic range; reported as a min. est.
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

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Thursday, December 06, 2007 12:00 PM
To: Lisa Race
Subject: RE: Problem COCs ARCO#0613, 2067,6023, 0761,11117 - MQL0102,MQL0108,MQK0798,MQK0838,MQK0830
Attachments: Revised COC's.pdf

Hi Lisa,

Attached are the revised COC's.

REVISED

613 - G0C4B-0023
2067 - G03CP-0021
11117 - G07TK-0035; Global ID T0600100201
761 - G0C3L-0017
6023 - G0C4Q-0013

Thank you!

Sandy Hayes
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682
shayes@stratusinc.net
Phone: 530.313.9964
Fax: 530.676.6005

-----Original Message-----
From: Lisa Race [mailto:lisa.race@testamericainc.com]
Sent: Thursday, December 06, 2007 11:20 AM
To: knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Scott Bittinger; Sonia Nandi
Subject: Problem COCs ARCO#0613, 2067,6023, 0761,11117 - MQL0102,MQL0108,MQK0798,MQK0838,MQK0830

All COCs are missing the ENFOS number. The COC for 11117 is also missing the Global ID. Please complete the attached COCs and return.

See attached. Feel free to contact me with any questions. Please note new e-mail address: Lisa.Race@Testamericainc.com

LISA RACE
Senior Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
Tel 408.782.8156 | Fax 408.782.6308
www.testamericainc.com www.stl-inc.com

The holiday season is upon us. TestAmerica is dedicated to maintaining the highest level of customer satisfaction. Our facility will be closed December 24th, 25th and January 1st, 2008. We will be open for sample receiving and pre-scheduled courier service on December 31st, the day before the New Year's Day holiday. We will also have a limited Project Management staff to assist you with your needs on December 31st. Please contact your project manager with your holiday scheduling needs. Thank you and Happy Holidays!

REVISED

Atlantic Richfield Company
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
Requested Due Date (mm/dd/yy):

On-site Time: 0700		Temp: 55
Off-site Time:		Temp:
Sky Conditions: Sunny		
Meteorological Events: —		
Wind Speed: —		Direction: —

Lab Name: TestAmerica	BP/AR Facility No.: 11117	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 7210 Bancroft Ave, Oakland	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.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G07TK-0035	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	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	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. MQK0830	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: GRO	BTEX	1,2 DCA	5 OXYS*	EDB	EtOH					Sample Point Lat/Long and Comments REVISED
1	DPE-2 20'	0910	11/28/07	X			01	1	X					X	X	X	X	X	X					
2	DPE-2 30'	0930	↓	X			02	1	X					↓	↓	↓	↓	↓	↓					STANDARD TAT
3	DPE-5 20'	1320	↓	X			03	1	X					↓	↓	↓	↓	↓	↓					
4	DPE-5 35'	1350	↓	X			04	1	X					↓	↓	↓	↓	↓	↓					*5 OXYS = DIPE TAME ETBE MTBE TBA
5																								
6																								
7																								
8																								
9																								
10																								

Sampler's Name: Collin Fischer
Sampler's Company: Stratus Env., Inc.
Shipment Date:
Shipment Method:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature] / Stratus	11/28/2007		Julie N. TAMH	11/29/07	0935

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

Custody Seals In Place: (Yes) / No | Temp Blank: Yes / (No) | Cooler Temp on Receipt: 11.2 °F/(C) | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / No

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

Page 1 of 1

Project Name: ARCO 1117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 1117
State or Lead Regulatory Agency: Alameda County
Requested Due Date (mm/dd/yy):

On-site Time: 0700	Temp: 53
Off-site Time:	Temp:
Sky Conditions: Sunny	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	
Address: 885 Jarvis Drive	
Morgan Hill, CA 95937	
Lab PM: Lisa Race	
Tele/Fax: 408-782-8156 408-782-6308 (fax)	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506	

BP/AR Facility No.: 1117	
BP/AR Facility Address: 7210 Edgewater Drive, Oakland	
Site Lat/Long:	
California Global ID No.: T06	
Enfos Project No.:	
Provision or OOC (circle one)	Provision
Phase/WBS:	05 - Assessment
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	
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:

MQK0830 — Laboratory No.

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: 1,2 DCA	Requested Analysis: 8015 #	Requested Analysis: EDB	Requested Analysis: ETOH	Sample Point Lat/Long and Comments
1	DPE-2 20'	0910	11/28/07	X			1	X					X	X	X	X	X	X	STANDARD TAT
2	DPE-2 30'	0930		X			1	X											
3	DPE-5 20'	1320		X			1	X											* 8015 = DIPE TAME ETBE MTBE TBA
4	DPE-5 35'	1350	↓	X			1	X					↓	↓	↓	↓	↓	↓	
5																			
6																			
7																			
8																			
9																			
10																			

Sampler's Name: Collin Escure					
Sampler's Company: Stratus Env., Inc	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Shipment Date:	David Scheller / Stratus	11/28/2007		JULIE N. TAMM	11/29/07	0935
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: 11.2 °F/C | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / (No)

PROBLEM CHAIN-OF-CUSTODY

MQK0830

DATE/TIME 11/29/07 0950 DATE RECEIVED 11/29/07

CLIENT ARCO TURN AROUND TIME STD

CLIENT SERVICES REP LISA RACE ANALYST JMC

PROBLEM

1) RECEIVED SAMPLES PAST HOLD (SAMPLED 11/21/07)

2) RECEIVED TEMP. 11.2°C

(COOLER STUFFED WITH BUBBLE WRAPS BUT NO ICE)

RESOLUTION

Client Instruction* Continue with analysis

Telephone Number of Client: e-mail / phone

Client Contact for Instruction: Scott Bittinger

Date and Time of Instruction: 11/29/07 @ 10:51 AM

Date & Time Form Given to Sample Control: 11/29/07

CLIENT SERVICES REP. SIGNATURE:

DATE/TIME: 11/29/07

*If client does not return call within 24 hours, please route this form to the Laboratory Director.

White Copy - Client Services

Pink Copy - Sample Control

FedEx. US Airbill
Express

FedEx Tracking Number 8606 8479 7720

Recipient's Copy

1 From

Date 11/28/01

Sender's Name [illegible] Phone 530 [illegible]

Company [illegible]

Address 3330 Cameron Park Dr

City Cameron Park State CA ZIP 95682

2 Your Internal Billing Reference

3 To

Recipient's Name [illegible] Phone

Company Test Account

Recipient's Address 685 Jamis Dr

Address

City Morgan Hill State CA ZIP 95037

8606 8479 7720

4a Express Package Service

Packages up to 150 lbs.

- FedEx Priority Overnight
- FedEx Standard Overnight
- FedEx First Overnight
- FedEx 2Day
- FedEx Express Saver

4b Express Freight Service

Packages over 150 lbs.

- FedEx 1Day Freight*
- FedEx 2Day Freight
- FedEx 3Day Freight

5 Packaging

- FedEx Envelope*
- FedEx Pak*
- FedEx Box
- FedEx Tube
- Other

6 Special Handling

- SAT Delivery
- HOLD Weekday at FedEx Location
- HOLD Saturday at FedEx Location

Does this shipment contain dangerous goods?

- No
- Yes
- Dry Ice
- Cargo Aircraft Only

7 Payment Bill to:

- Sender
- Recipient
- Third Party
- Credit Card
- Cash/Check

Total Packages | Total Weight | Total Declared Value* | Total Charges

$ .00

*Our liability is limited to $100 unless you declare a higher value. See back for details.

8 NEW Residential Delivery Signature Options

- No Signature Required
- Direct Signature
- Indirect Signature

520

fedex.com 1.800.GoFedEx 1.800.463.3339

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO (1117)
REC. BY (PRINT): JULIE N.
WORKORDER: MAK0830

DATE REC'D AT LAB: 11/29/07
TIME REC'D AT LAB: 0935
DATE LOGGED IN: 11/29/07

For Regulatory Purposes?
___ DRINKING WATER
___ WASTE WATER
✓ OTHER SOIL

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 #: SEE ATTACHED								
6. Sample Labels: Present / Absent								* Metal Cores
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: 12.2°C; Correction Factor: -1.0°C; Corrected Temp: 11.2°C; Is corrected temp. 0-6°C? Yes / No**								

**Exception (if any): Metals / Perchlorate

DFF on Ice or Problem COC

JULIE N. 11/29/07 SEE COC

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

Atlantic Richfield Company

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Chain of Custody Record

Page 1 of 1

Project Name: ARCO 11117

BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117

State or Lead Regulatory Agency: Alameda County

Requested Due Date (mm/dd/yy):

On-site Time:	0700 Temp: 55
Off-site Time:	Temp:
Sky Conditions:	Sunny
Meteorological Events:	
Wind Speed:	Direction:

Lab Name:	TestAmerica
Address:	885 Jarvis Drive
	Morgan Hill, CA 95937
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156 408-782-6308 (fax)
BP/AR PM Contact:	Paul Supple
Address:	2010 Crow Canyon Place, Suite 150
	San Ramon, CA
Tele/Fax:	925-275-3506

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft Ave, Oakland
Site Lat/Long:	
California Global ID No.:	T06
Enfos Project No.:	
Provision or OOC (circle one)	Provision
Phase/WBS:	~~07 Monitoring~~ 05 - Assessment
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	
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: Gas	Requested Analysis: BTEX	Requested Analysis: 1,2 DCA	Requested Analysis: 8015*	Requested Analysis: EDB	Requested Analysis: ETOH	Sample Point Lat/Long and Comments
1	DPE-2 20'	0910	11/21/07	X				1	X					X	X	X	X	X	X	STANDARD TAT
2	DPE-2 30'	0930		X				1	X											
3	DPE-5 20'	1320		X				1	X											*8015 = DIPE TAME ETBE MTBE TBA
4	DPE-5 35'	1350	↓	X				1	X					↓	↓	↓	↓	↓	↓	
5																				
6																				
7																				
8																				
9																				
10																				

Sampler's Name:	Collin Escalle
Sampler's Company:	Stratus Env., Inc.
Shipment Date:	
Shipment Method:	
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
David DeMello / Stratus	11/28/2007				

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

STRATUS
ENVIRONMENTAL, INC.

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

January 24, 2008

Mr. Rob Miller
Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502

Re: Well Development Data Package, BP Service Station No. 11117, located at 7210 Bancroft, Oakland, California

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representative: Greg Wilkins and Vince Zalutka

Sampling Date: December 11, 2007
Weather Conditions: Not noted.
Unusual Field Conditions: None
Scope of Work Performed: Well Development
Variations from Work Scope: Development of wells DPE-1, DPE-2, DPE-3, DPE-4, DEP-5, and MW-11. Well DPE-3 purged dry before three casing volumes were removed.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include field data sheets and non-hazardous waste data form. 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.

Jay R. Johnson, P.G.
Project Manager

Attachments:

- Field Data Sheets
- Non-Hazardous Waste Data Form

cc: Mr. Paul Supple, BP/ARCO

ENVIRONMENTAL, INC.

Site Address: 7210 Bancroft Ave.
City Oakland CA
~~Sampled~~ By G. Wilkins / V. Zalutsky
Developed

Site Number: ARCO 11117
Project No. E11117
Project PM Jay Johnson
Date Sampled 12-11-07

ORIGINAL

Site Contact Phone No.

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of Well feet	Casing Water Column (A)	Well Diameter (inches)	Multiplier Value (B)	~~Three~~ Ten Casing Volumes (gallons)	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample Time	Dissolved Oxygen (mg/L)
DPE-1	0456	21.62		39.85	18.23	4	6.6	120.31	120		X	X	DTB	39.80	DPE-1		
DPE-2	1121	20.33		40.04	19.75	4	6.6	130.35	130		X	X	DTB 39.79	21.11			
DPE-3	0830	20.67		39.62	18.95	4	6.6	125.07	45		X	X Dry @ 45gal		N/M			
DPE-4	1216	21.27		40.03	18.76	4	6.6	123.82	124				DTB 40.07	29.02			
DPE-5	0651	21.05		36.10	15.05	4	6.6	99.33	99		X	X	DTB 39.70	25.10			
MW-11	0938	19.06		35.26	16.20	4	6.6	106.92	107		X	X	DTB 37.70	29.80			
	Wells Surged with Bailer -																
									625 gal								

(A) Casing water Column
Depth wtr. Depth to Bottom

Multiplier Values
2"=0.5 4"=2.0 6"=4.4

NO. 665446

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE:

EPA I.D. NO. NOT REQUIRED

NAME BP WEST COAST PRODUCTS LLC ARCO # 1117

ADDRESS P.O. BOX 80249 — 7210 Bancroft Dr — PROFILE NO.

RANCHO SANTA MARGARITA

CITY, STATE, ZIP CA 92688 — PHONE NO. ( )

CONTAINERS: No. ______ VOLUME 625 gal WEIGHT ______

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER ______

WASTE DESCRIPTION NON-HAZARDOUS WATER — GENERATING PROCESS WELL PURGING/DECON WATER

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1.	WATER	99-100%		5.			
2.	TPH	<1%		6.			
3.				7.	BESI#		
4.				8.			

PROPERTIES: 7-10 pH ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ______

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Moothart BESI for BP — 12-11-07

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

Transporter #1 — Transporter #2

NAME STRATUS ENVIRONMENTAL — EPA I.D. NO.

ADDRESS 3330 CAMERON PARK DR — SERVICE ORDER NO. ______

CITY, STATE, ZIP CAMERON PARK, CA 95682 — PICK UP DATE ______

PHONE NO. 530-676-2031

[signature] — 12-11-07

TRUCK, UNIT, I.D. NO. — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME SEAPORT REFINING & ENVIRONMENTAL, LLC — EPA I.D. NO.

DISPOSAL METHOD

ADDRESS 700 SEAPORT BLVD. — ☐ LANDFILL ☐ OTHER ______

CITY, STATE, ZIP REDWOOD CITY, CA 94063

PHONE NO. 650-364-1024

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

NO. 668529

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

GENERATING SITE:

NAME: BP WEST COAST PRODUCTS, LLC — FORMER ARCO 11117

ADDRESS: P.O. BOX 80249 — 7210 BANCROFT AVE

CITY, STATE, ZIP: RANCHO SANTA MARGARITA, CA 92688 — OAKLAND, CA 94605

EPA I.D. NO.:

PROFILE NO.:

PHONE NO.: (949) 460 5200

CONTAINERS: No. 7 VOLUME 385 gallons WEIGHT

TYPE: [X] TANK TRUCK [ ] DUMP TRUCK [ ] DRUMS [ ] CARTONS [ ] OTHER

WASTE DESCRIPTION: NON-HAZARDOUS WATER — GENERATING PROCESS: WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%
2. TPH		<1%
3.		
4.		
5.		
6.		
7.		
8.		

BESI:147450

PROPERTIES: pH 7-10 [ ] SOLID [X] LIQUID [ ] SLUDGE [ ] SLURRY [ ] OTHER

HANDLING INSTRUCTIONS: 24-HOUR EMERGENCY PHONE: 800-424-9300

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Moothart of BESI on behalf of generator — TYPED OR PRINTED FULL NAME & SIGNATURE — 1/4/08 DATE

TRANSPORTER

NAME: BELSHIRE / NASI INC

ADDRESS: 25971 TOWNE CENTRE DRIVE / 1281 Brea Cyn Rd

CITY, STATE, ZIP: FOOTHILL RANCH, CA 92610 / Brea CA. 92821

PHONE NO.: (949) 460-5200 / 714-993-6855

TRUCK, UNIT, I.D. NO.:

EPA I.D. NO.:

SERVICE ORDER NO.:

PICK UP DATE: 1-8-08

TYPED OR PRINTED FULL NAME & SIGNATURE — 1-8-08 DATE

TSD FACILITY

NAME: DEMENNO KERDOON

ADDRESS: 2000 N. ALAMEDA ST.

CITY, STATE, ZIP: COMPTON, CA 90222

PHONE NO.: 310-537-7100

EPA I.D. NO.:

DISPOSAL METHOD

[ ] LANDFILL [X] OTHER Recycler

SHANE DAY — TYPED OR PRINTED FULL NAME & SIGNATURE — 1/08/08 DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/Q		RT/CD	HWDF: NONE	DISCREPANCY

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
1 1		622152	A07	30367	001

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	Generator's US EPA ID No.
BP WEST COAST PRODUCTS, LLC P.O. BOX 80249 RANCHO SANTA MARGARITA, CA 92688	949-460-5200	
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:

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

Generation Site (Transport from): *(name & address)*	Site Phone #:	BTEX Levels
FORMER ARCO 11117 7210 BANCROFT AVE OAKLAND, CA 94605	Person to Contact:	TPH Levels
	FAX#:	AVG. Levels

Designated Facility (Transport to): *(name & address)*	Facility Phone #:	Facility Permit Numbers
TPST SOIL RECYCLERS OF CALIFORNIA 12328 HIBISCUS AVENUE ADELANTO, CA 92301	(800) 862-8001	
	Person to Contact: DELLENA JEFFREY	
	FAX#: (760) 246-8004	

Transporter Name and Mailing Address:	Transporter's Phone #:	Transporter's US EPA ID No.:
BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 147450	(949) 460-5200	CAR000183913
	Person to Contact: LARRY MOOTHART	Transporter's DOT No.: 450647
	FAX#: (949) 460-5210	Customer Account Number with TPST:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	40 Dms		45350	22000	23162
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					11.58

List any exception to items listed above: Scale Ticket# 51391

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

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year
Larry Moothart of BESI on behalf of generator		1	4	08

Transporter

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

Print or Type Name:	Signature and date:	Month	Day	Year
Kevin Dunlop		01	14	08

Recycling Facility

Discrepancies:

FAC# 11117

ID# 342603

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

Print or Type Name:	Signature and date:
D. JEFFREY/J. PROVANSAL	1-14-8

Please print or type.

TRANSPORTER COPY

STRATUS
ENVIRONMENTAL, INC.

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

February 7, 2008

Mr. Rob Miller
Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502

Re: Groundwater Sampling Data Package, BP Service Station No. 11117, located at 7210 Bancroft, Oakland, California

General Information

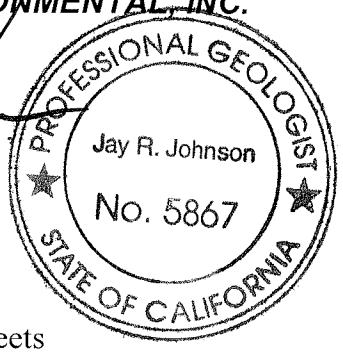
Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representative: Greg Wilkins and Tony Hill

Sampling Date: December 14, 2007
Arrival: 04:25 *Departure:* 08:45
Weather Conditions: Clear
Unusual Field Conditions: None
Scope of Work Performed: Developed newly installed wells and conducted groundwater sampling of DPE-1, DPE-2, DPE-3, DPE-4, DEP-5, and MW-11.
Variations from Work Scope: None

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include field data sheets, non-hazardous waste data form, chain of custody documentation, and certified analytical results. 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.



Jay R. Johnson, P.G.
Project Manager

Attachments:

- Field Data Sheets
- Non-Hazardous Waste Data Form
- Chain of Custody Documentation
- Certified Analytical Results

cc: Mr. Paul Supple, BP/ARCO

ENVIRONMENTAL, INC.

Site Address: 7210 Bancroft Ave.
City Oakland CA
~~Sampled~~ Developed By G. Wilkins / V. Zalutka

Site Number: ARCO 11117
Project No. E11117
Project PM Jay Johnson
Date Sampled 12-11-07

ORIGINAL

Site Contact Phone No.

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of Well feet	Casing Water Column (A)	Well Diameter (inches)	Multiplier Value (B)	~~Three~~ Ten Casing Volumes (gallons)	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample Time	Dissolved Oxygen (mg/L)
DPE-1	0456	21.62		39.85	18.23	4	6.6	120.31	120		X	X	DTB	39.80	DPE-1		
DPE-2	1121	20.33		40.04	19.75	4	6.6	130.35	130		X	X	DTB 39.79	21.11			
DPE-3	0830	20.67		39.62	18.95	4	6.6	125.07	45		X	X	Dry @ 45gal	N/M			
DPE-4	1216	21.27		40.03	18.76	4	6.6	123.82	124				DTB 40.07	29.02			
DPE-5	0651	21.05		36.10	15.05	4	6.6	99.33	99		X	X	DTB 39.70	25.10			
MW-11	0938	19.06		35.26	16.20	4	6.6	106.92	107		X	X	DTB 37.70	29.80			

Wells Surged with Bailer.

625 gal

(A) Casing water Column
Depth wtr. Depth to Bottom

Multiplier Values
2"=0.5 4"=2.0 6"=4.4

ENVIRONMENTAL, INC.

Site Address: 7210 Bancroft Ave
City Oakland CA
Sampled By G.W./kms/T.Hill

ORIGINAL

Site Number: ARCO 11117
Project No. E11117
Project PM J. Johnson
Date Sampled 12-14-07

Site Contact Phone No. onsite 0425

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of Well feet	Casing Water Column (A)	Well Diameter (inches)	Multiplier Value (B)	Three Casing Volumes (gallons)	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample Time	Dissolved Oxygen (mg/L)
MW-1	0519	19.83		36.27						X							
MW-3	0512	20.21		44.87						X							
MW-4	0507	21.10		39.73						X							
MW-5	No	Well								X							
MW-6	0514	unable to measure			Cap Broken & stuck					X							
MW-7	0510	23.07		44.66						X							
MW-8	0515	21.26		39.36						X							
MW-9	0523	21.66		38.89						X							
MW-10	0455	22.62		35.49						X							
MW-11	0521	20.16		36.59	16.43	4	2	32.86	33	X							
EX-1	0500	21.60		37.97								X		20.40	MW-11	0643	1.666
EX-2	0450	21.97		35.05						X							
DPE-1	0447	21.62		39.70	18.08	4	2	36.16	36	X							
DPE-2	0532	20.09		39.74	19.65	4	2	39.30	39		X			23.78	DPE-1	0740	1.73
DPE-3	0514	20.45		39.49	19.04	4	2	38.08	38			X		22.40	DPE-2	0608	1.78
DPE-4	0455	21.00		39.93	18.93	4	2	37.86	38		X			20.78	DPE-3	0659	1.14
DPE-5	0511	20.86		39.36	18.50	4	2	37.00	37			X		22.71	DPE-4	0825	1.79
												X		21.46	DPE-5	0738	1.82
TB111712/2007																	
																0539	

* 6 VOAs

221 gal

(A) Casing water Column
Depth wtr. Depth to Bottom

Multiplier Values
2"=0.5 4"=2.0 6"=4.4

NO. 665446

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE:

EPA I.D. NO. NOT REQUIRED

NAME BP WEST COAST PRODUCTS LLC ARCO # 11117

ADDRESS P.O. BOX 80249 RANCHO SANTA MARGARITA

7277 Bristol ...

PROFILE NO.

CITY, STATE, ZIP CA 92688

PHONE NO. ( )

CONTAINERS: No. ____ VOLUME 625 gal WEIGHT ____

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER ____

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING/DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER	99-100%		5.		
2. TPH	<1%		6.		
3.			7. BESI#		
4.			8.		

PROPERTIES: 7-10 pH ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Moothart BESI for BP — TYPED OR PRINTED FULL NAME & SIGNATURE

DATE 12-11-07

TRANSPORTER

Transporter #1 Transporter #2

NAME STRATUS ENVIRONMENTAL

EPA I.D. NO.

ADDRESS 3330 CAMERON PARK DR

SERVICE ORDER NO. ____

CITY, STATE, ZIP CAMERON PARK, CA 95682

PICK UP DATE ____

PHONE NO. 530-676-2061

TRUCK, UNIT, I.D. NO.

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE 12-11-07

TSD FACILITY

NAME SEAPORT REFINING & ENVIRONMENTAL, LLC

EPA I.D. NO.

DISPOSAL METHOD

ADDRESS 700 SEAPORT BLVD.

☐ LANDFILL ☐ OTHER ____

CITY, STATE, ZIP REDWOOD CITY, CA 94063

PHONE NO. 650-364-1024

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/Q		RT/CD		HWDF NONE

DISCREPANCY

NO. 655436

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE:

EPA I.D. NO. NOT REQUIRED

NAME BP WEST COAST PRODUCTS LLC ARCO # [illegible]

ADDRESS P.O. BOX 80249 2311 Crenshaw Blvd Torrance CA
RANCHO SANTA MARGARITA

CITY, STATE, ZIP CA 92688

PROFILE NO.

PHONE NO. ( )

CONTAINERS: No. _____ VOLUME 22 gal J WEIGHT _____

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION NON-HAZARDOUS WATER GENERATING PROCESS WELL PURGING/DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER	99-100%		5.		
2. TPH	<1%		6.		
3.			7. BESI#		
4.			8.		

PROPERTIES: 7-10 pH ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Markhart BESI for BP 12-4-07
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

Transporter #1 Transporter #2

NAME STRATUS ENVIRONMENTAL EPA I.D. NO.

ADDRESS 3330 CAMERON PARK DR SERVICE ORDER NO.

CITY, STATE, ZIP CAMERON PARK, CA 95682 PICK UP DATE

PHONE NO. 530-676-2031

[signature] 12-4-07
TRUCK, UNIT, I.D. NO. TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME SEAPORT REFINING & ENVIRONMENTAL, LLC EPA I.D. NO.

DISPOSAL METHOD

ADDRESS 700 SEAPORT BLVD. ☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP REDWOOD CITY, CA 94063

PHONE NO. 650-364-1024

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL

Project Name: ARCO 11117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy): Std TAT

On-site Time: 0425	Temp: High 20's
Off-site Time: 0845	Temp: Low 40's
Sky Conditions: Clear	
Meteorological Events: —	
Wind Speed: —	Direction: —

Lab Name: TestAmerica	
Address: 885 Jarvis Drive	
Morgan Hill, CA 95937	
Lab PM: Lisa Race	
Tele/Fax: 408-782-8156 408-782-6308 (fax)	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506	

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft, Oakland
Site Lat/Long:	
California Global ID No.:	T0600100201
Enfos Project No.:	G07TK-0035
Provision or OOC (circle one)	Provision
Phase/WBS:	04-Monitoring
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	
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 2007	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	Sample Point Lat/Long and Comments *Oxy = MTBE,TAME,ETBE,DIPE,TBA
1	DPE-1	0740	12/14		X			3				X		X	X	X	X	All by 8260
2	DPE-2	0608						6										
3	DPE-3	0659						3										
4	DPE-4	0825						3										
5	DPE-5	0738						3										
6	MW-11	0643						3										
7																		
8																		
9	TB1111712142007	0539						3										ON HOLD
10																		

Sampler's Name:	G. Wilkins / T Hill
Sampler's Company:	Stratus
Shipment Date:	12-14-07
Shipment Method:	Stratus
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	121407	1020		12/14	1020

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

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3 January, 2008

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

RE: BP Heritage #11117,Oakland, CA
Work Order: MQL0519

Enclosed are the results of analyses for samples received by the laboratory on 12/14/07 20:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 2682

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	MQL0519
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DPE-1	MQL0519-01	Water	12/14/07 07:40	12/14/07 20:15
DPE-2	MQL0519-02	Water	12/14/07 06:08	12/14/07 20:15
DPE-3	MQL0519-03	Water	12/14/07 06:59	12/14/07 20:15
DPE-4	MQL0519-04	Water	12/14/07 08:25	12/14/07 20:15
DPE-5	MQL0519-05	Water	12/14/07 07:38	12/14/07 20:15
MW-11	MQL0519-06	Water	12/14/07 06:43	12/14/07 20:15
TB1111712142007	MQL0519-07	Water	12/14/07 05:39	12/14/07 20:15

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-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-1 (MQL0519-01) Water Sampled: 12/14/07 07:40 Received: 12/14/07 20:15									
Gasoline Range Organics (C4-C12)	**360**	50	ug/l	1	7L21018	12/21/07	12/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*55-130*		"	"	"	"	
DPE-2 (MQL0519-02) Water Sampled: 12/14/07 06:08 Received: 12/14/07 20:15									
Gasoline Range Organics (C4-C12)	**2500**	50	ug/l	1	7L21018	12/21/07	12/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*	*55-130*		"	"	"	"	
DPE-3 (MQL0519-03) Water Sampled: 12/14/07 06:59 Received: 12/14/07 20:15									
Gasoline Range Organics (C4-C12)	**13000**	2500	ug/l	50	7L27010	12/27/07	12/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*55-130*		"	"	"	"	
DPE-4 (MQL0519-04) Water Sampled: 12/14/07 08:25 Received: 12/14/07 20:15									
Gasoline Range Organics (C4-C12)	**510000**	10000	ug/l	200	7L21018	12/21/07	12/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQL0519
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-5 (MQL0519-05) Water Sampled: 12/14/07 07:38 Received: 12/14/07 20:15									
Gasoline Range Organics (C4-C12)	**300000**	10000	ug/l	200	7L21018	12/21/07	12/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*55-130*		"	"	"	"	
MW-11 (MQL0519-06) Water Sampled: 12/14/07 06:43 Received: 12/14/07 20:15									
Gasoline Range Organics (C4-C12)	**8000**	1000	ug/l	20	7L27010	12/27/07	12/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*55-130*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-1 (MQL0519-01) Water Sampled: 12/14/07 07:40 Received: 12/14/07 20:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7L27011	12/27/07	12/27/07	EPA 8260B	
Benzene	**24**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**1300**	20	"	"	"	"	"	"	BB
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	**3.4**	0.50	"	"	"	"	"	"	
Ethylbenzene	**3.4**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**28**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*55-130*		"	"	"	"	
DPE-2 (MQL0519-02) Water Sampled: 12/14/07 06:08 Received: 12/14/07 20:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7L27011	12/27/07	12/27/07	EPA 8260B	
Benzene	**1.2**	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	**12**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.71**	0.50	"	"	"	"	"	"	
Toluene	**0.99**	0.50	"	"	"	"	"	"	
Xylenes (total)	**32**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*55-130*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-3 (MQL0519-03) Water Sampled: 12/14/07 06:59 Received: 12/14/07 20:15									
tert-Amyl methyl ether	ND	25	ug/l	50	7L27010	12/27/07	12/27/07	EPA 8260B	
Benzene	**1800**	25	"	"	"	"	"	"	
tert-Butyl alcohol	**1700**	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	15000	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	**830**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**770**	25	"	"	"	"	"	"	
Toluene	**840**	25	"	"	"	"	"	"	
Xylenes (total)	**1200**	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*55-130*		"	"	"	"	
DPE-4 (MQL0519-04) Water Sampled: 12/14/07 08:25 Received: 12/14/07 20:15									
tert-Amyl methyl ether	ND	500	ug/l	1000	7L27011	12/27/07	12/27/07	EPA 8260B	
Benzene	**12000**	500	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20000	"	"	"	"	"	"	
Di-isopropyl ether	ND	500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	500	"	"	"	"	"	"	
Ethanol	ND	300000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	500	"	"	"	"	"	"	
Ethylbenzene	**4900**	500	"	"	"	"	"	"	
Methyl tert-butyl ether	**8000**	500	"	"	"	"	"	"	
Toluene	**27000**	500	"	"	"	"	"	"	
Xylenes (total)	**27000**	500	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*55-130*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DPE-5 (MQL0519-05) Water Sampled: 12/14/07 07:38 Received: 12/14/07 20:15									
tert-Amyl methyl ether	ND	500	ug/l	1000	7L27011	12/27/07	12/27/07	EPA 8260B	
Benzene	**9200**	500	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20000	"	"	"	"	"	"	
Di-isopropyl ether	ND	500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	500	"	"	"	"	"	"	
Ethanol	ND	300000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	500	"	"	"	"	"	"	
Ethylbenzene	**4600**	500	"	"	"	"	"	"	
Methyl tert-butyl ether	**16000**	500	"	"	"	"	"	"	
Toluene	**4100**	500	"	"	"	"	"	"	
Xylenes (total)	**20000**	500	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*55-130*		"	"	"	"	
MW-11 (MQL0519-06) Water Sampled: 12/14/07 06:43 Received: 12/14/07 20:15									
tert-Amyl methyl ether	ND	10	ug/l	20	7L27010	12/27/07	12/27/07	EPA 8260B	
Benzene	ND	10	"	"	"	"	"	"	
tert-Butyl alcohol	ND	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Ethanol	ND	6000	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	**230**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Toluene	**72**	10	"	"	"	"	"	"	
Xylenes (total)	**760**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*55-130*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L21018 - EPA 5030B P/T / LUFT GCMS										
Blank (7L21018-BLK1)				Prepared: 12/21/07 Analyzed: 12/22/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*60-150*			
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*95*	*75-130*			
Surrogate: Toluene-d8	*2.43*		"	*2.50*		*97*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.24*		"	*2.50*		*90*	*55-130*			
Laboratory Control Sample (7L21018-BS2)				Prepared & Analyzed: 12/21/07						
Gasoline Range Organics (C4-C12)	472	50	ug/l	500		94	55-130			
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-150*			
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*95*	*75-130*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.57*		"	*2.50*		*103*	*55-130*			
Laboratory Control Sample Dup (7L21018-BSD2)				Prepared: 12/21/07 Analyzed: 12/22/07						
Gasoline Range Organics (C4-C12)	467	50	ug/l	500		93	55-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-150*			
Surrogate: Dibromofluoromethane	*2.34*		"	*2.50*		*94*	*75-130*			
Surrogate: Toluene-d8	*2.60*		"	*2.50*		*104*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.56*		"	*2.50*		*102*	*55-130*			
Matrix Spike (7L21018-MS1)	**Source: MQL0519-02**			Prepared: 12/21/07 Analyzed: 12/22/07						
Gasoline Range Organics (C4-C12)	2260	50	ug/l	550	2500	0	25-150			LN,AY
Surrogate: 1,2-Dichloroethane-d4	*2.54*		"	*2.50*		*102*	*60-150*			
Surrogate: Dibromofluoromethane	*2.51*		"	*2.50*		*100*	*75-130*			
Surrogate: Toluene-d8	*2.62*		"	*2.50*		*105*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.86*		"	*2.50*		*114*	*55-130*			
Matrix Spike Dup (7L21018-MSD1)	**Source: MQL0519-02**			Prepared: 12/21/07 Analyzed: 12/22/07						
Gasoline Range Organics (C4-C12)	2200	50	ug/l	550	2500	0	25-150	3	20	LN,AY
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*60-150*			
Surrogate: Dibromofluoromethane	*2.58*		"	*2.50*		*103*	*75-130*			
Surrogate: Toluene-d8	*2.61*		"	*2.50*		*104*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.69*		"	*2.50*		*108*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L27010 - EPA 5030B P/T / EPA 8260B										
Blank (7L27010-BLK1)				Prepared & Analyzed: 12/27/07						
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	*2.38*		"	*2.50*		*95*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		"	*2.50*		*95*	*60-150*			
Surrogate: Toluene-d8	*2.46*		"	*2.50*		*98*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.43*		"	*2.50*		*97*	*55-130*			
Laboratory Control Sample (7L27010-BS1)				Prepared & Analyzed: 12/27/07						
tert-Amyl methyl ether	12.1	0.50	ug/l	10.0		121	75-125			
Benzene	10.6	0.50	"	10.0		106	75-120			
tert-Butyl alcohol	188	20	"	200		94	80-120			
Di-isopropyl ether	10.8	0.50	"	10.0		108	70-130			
1,2-Dibromoethane (EDB)	11.3	0.50	"	10.0		113	75-130			
1,2-Dichloroethane	9.34	0.50	"	10.0		93	65-130			
Ethanol	144	300	"	200		72	50-150			
Ethyl tert-butyl ether	11.0	0.50	"	10.0		110	75-130			
Ethylbenzene	10.3	0.50	"	10.0		103	80-125			
Methyl tert-butyl ether	11.2	0.50	"	10.0		112	80-130			
Toluene	10.9	0.50	"	10.0		109	80-120			
Xylenes (total)	33.3	0.50	"	30.0		111	80-125			
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.32*		"	*2.50*		*93*	*60-150*			
Surrogate: Toluene-d8	*2.58*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*55-130*			

TestAmerica
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FAX (408) 782-6308
www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQL0519
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L27010 - EPA 5030B P/T / LUFT GCMS										
Blank (7L27010-BLK1)				Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.38*		"	*2.50*		*95*	*60-150*			
Surrogate: Dibromofluoromethane	*2.38*		"	*2.50*		*95*	*75-130*			
Surrogate: Toluene-d8	*2.46*		"	*2.50*		*98*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.43*		"	*2.50*		*97*	*55-130*			
Laboratory Control Sample (7L27010-BS2)				Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	503	50	ug/l	500		101	55-130			
Surrogate: 1,2-Dichloroethane-d4	*2.25*		"	*2.50*		*90*	*60-150*			
Surrogate: Dibromofluoromethane	*2.36*		"	*2.50*		*94*	*75-130*			
Surrogate: Toluene-d8	*2.58*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.61*		"	*2.50*		*104*	*55-130*			
Laboratory Control Sample Dup (7L27010-BSD2)				Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	495	50	ug/l	500		99	55-130	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-150*			
Surrogate: Dibromofluoromethane	*2.33*		"	*2.50*		*93*	*75-130*			
Surrogate: Toluene-d8	*2.57*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*55-130*			
Matrix Spike (7L27010-MS1)	**Source: MQL0557-03**			Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	563	50	ug/l	550	ND	102	25-150			
Surrogate: 1,2-Dichloroethane-d4	*2.06*		"	*2.50*		*82*	*60-150*			
Surrogate: Dibromofluoromethane	*2.31*		"	*2.50*		*92*	*75-130*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.55*		"	*2.50*		*102*	*55-130*			
Matrix Spike Dup (7L27010-MSD1)	**Source: MQL0557-03**			Prepared & Analyzed: 12/27/07						
Gasoline Range Organics (C4-C12)	590	50	ug/l	550	ND	107	25-150	5	20	
Surrogate: 1,2-Dichloroethane-d4	*2.24*		"	*2.50*		*90*	*60-150*			
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.61*		"	*2.50*		*104*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.62*		"	*2.50*		*105*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQL0519
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L27010 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7L27010-MS1)	**Source: MQL0557-03**			Prepared & Analyzed: 12/27/07						
tert-Amyl methyl ether	12.4	0.50	ug/l	10.0	1.84	106	75-140			
Benzene	10.8	0.50	"	10.0	ND	108	80-120			
tert-Butyl alcohol	189	20	"	200	ND	94	80-125			
Di-isopropyl ether	10.4	0.50	"	10.0	ND	104	75-135			
1,2-Dibromoethane (EDB)	9.68	0.50	"	10.0	ND	97	80-135			
1,2-Dichloroethane	8.39	0.50	"	10.0	ND	84	65-145			
Ethanol	166	300	"	200	ND	83	50-150			
Ethyl tert-butyl ether	10.2	0.50	"	10.0	ND	102	80-135			
Ethylbenzene	10.6	0.50	"	10.0	ND	106	75-130			
Methyl tert-butyl ether	14.4	0.50	"	10.0	5.21	92	75-145			
Toluene	11.1	0.50	"	10.0	ND	111	80-125			
Xylenes (total)	33.9	0.50	"	30.0	ND	113	75-125			
Surrogate: Dibromofluoromethane	*2.31*		"	*2.50*		*92*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.06*		"	*2.50*		*82*	*60-150*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.55*		"	*2.50*		*102*	*55-130*			
Matrix Spike Dup (7L27010-MSD1)	**Source: MQL0557-03**			Prepared & Analyzed: 12/27/07						
tert-Amyl methyl ether	14.1	0.50	ug/l	10.0	1.84	123	75-140	13	25	
Benzene	10.9	0.50	"	10.0	ND	109	80-120	1	20	
tert-Butyl alcohol	191	20	"	200	ND	96	80-125	1	25	
Di-isopropyl ether	11.1	0.50	"	10.0	ND	111	75-135	7	25	
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0	ND	110	80-135	13	30	
1,2-Dichloroethane	9.20	0.50	"	10.0	ND	92	65-145	9	25	
Ethanol	151	300	"	200	ND	75	50-150	10	25	
Ethyl tert-butyl ether	11.3	0.50	"	10.0	ND	113	80-135	11	25	
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-130	2	20	
Methyl tert-butyl ether	16.5	0.50	"	10.0	5.21	113	75-145	14	25	
Toluene	11.0	0.50	"	10.0	ND	110	80-125	1	25	
Xylenes (total)	33.7	0.50	"	30.0	ND	112	75-125	0.5	20	
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.24*		"	*2.50*		*90*	*60-150*			
Surrogate: Toluene-d8	*2.61*		"	*2.50*		*104*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.62*		"	*2.50*		*105*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQL0519
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L27011 - EPA 5030B P/T / EPA 8260B										
Blank (7L27011-BLK1)				Prepared & Analyzed: 12/27/07						
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	*2.28*		"	*2.50*		*91*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.18*		"	*2.50*		*87*	*60-150*			
Surrogate: Toluene-d8	*2.38*		"	*2.50*		*95*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.21*		"	*2.50*		*88*	*55-130*			
Laboratory Control Sample (7L27011-BS1)				Prepared & Analyzed: 12/27/07						
tert-Amyl methyl ether	9.94	0.50	ug/l	10.0		99	75-125			
Benzene	10.4	0.50	"	10.0		104	75-120			
tert-Butyl alcohol	180	20	"	200		90	80-120			
Di-isopropyl ether	9.80	0.50	"	10.0		98	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	"	10.0		101	75-130			
1,2-Dichloroethane	8.67	0.50	"	10.0		87	65-130			
Ethanol	156	300	"	200		78	50-150			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	75-130			
Ethylbenzene	10.8	0.50	"	10.0		108	80-125			
Methyl tert-butyl ether	9.80	0.50	"	10.0		98	80-130			
Toluene	10.8	0.50	"	10.0		108	80-120			
Xylenes (total)	33.1	0.50	"	30.0		110	80-125			
Surrogate: Dibromofluoromethane	*2.27*		"	*2.50*		*91*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.18*		"	*2.50*		*87*	*60-150*			
Surrogate: Toluene-d8	*2.43*		"	*2.50*		*97*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.35*		"	*2.50*		*94*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQL0519
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L27011 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7L27011-MS1)	**Source: MQL0519-01**			Prepared & Analyzed: 12/27/07						
tert-Amyl methyl ether	12.7	0.50	ug/l	10.0	ND	127	75-140			
Benzene	33.3	0.50	"	10.0	23.5	98	80-120			
tert-Butyl alcohol	1480	20	"	200	1340	72	80-125			BB
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	75-135			
1,2-Dibromoethane (EDB)	11.7	0.50	"	10.0	ND	117	80-135			
1,2-Dichloroethane	9.78	0.50	"	10.0	ND	98	65-145			
Ethanol	150	300	"	200	ND	75	50-150			
Ethyl tert-butyl ether	15.2	0.50	"	10.0	3.40	118	80-135			
Ethylbenzene	14.0	0.50	"	10.0	3.42	106	75-130			
Methyl tert-butyl ether	41.4	0.50	"	10.0	28.4	130	75-145			
Toluene	11.4	0.50	"	10.0	0.350	110	80-125			
Xylenes (total)	33.7	0.50	"	30.0	0.450	111	75-125			
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*95*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		"	*2.50*		*92*	*60-150*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.47*		"	*2.50*		*99*	*55-130*			
Matrix Spike Dup (7L27011-MSD1)	**Source: MQL0519-01**			Prepared & Analyzed: 12/27/07						
tert-Amyl methyl ether	12.9	0.50	ug/l	10.0	ND	129	75-140	1	25	
Benzene	33.2	0.50	"	10.0	23.5	96	80-120	0.3	20	
tert-Butyl alcohol	1460	20	"	200	1340	61	80-125	1	25	BB
Di-isopropyl ether	11.0	0.50	"	10.0	ND	110	75-135	2	25	
1,2-Dibromoethane (EDB)	11.7	0.50	"	10.0	ND	117	80-135	0.3	30	
1,2-Dichloroethane	9.66	0.50	"	10.0	ND	97	65-145	1	25	
Ethanol	150	300	"	200	ND	75	50-150	0.2	25	
Ethyl tert-butyl ether	15.3	0.50	"	10.0	3.40	119	80-135	0.7	25	
Ethylbenzene	13.9	0.50	"	10.0	3.42	104	75-130	0.7	20	
Methyl tert-butyl ether	41.8	0.50	"	10.0	28.4	134	75-145	1	25	
Toluene	11.3	0.50	"	10.0	0.350	110	80-125	0.4	25	
Xylenes (total)	33.6	0.50	"	30.0	0.450	110	75-125	0.5	20	
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		"	*2.50*		*92*	*60-150*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.53*		"	*2.50*		*101*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQL0519
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0035	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/03/08 16:15

Notes and Definitions

LN,AY	MS and/or MSD below acceptance limits. See Blank Spike(LCS). Matrix interference suspected.
IC	Calib. verif. is within method limits but outside contract limits
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

Page 1 of 1

Project Name: ARCO 11117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy): Std TAT

On-site Time: 0425	Temp: High 20's
Off-site Time: 0845	Temp: Low 40's
Sky Conditions: Clear	
Meteorological Events: —	
Wind Speed: —	Direction: —

Lab Name: TestAmerica	
Address: 885 Jarvis Drive	
Morgan Hill, CA 95937	
Lab PM: Lisa Race	
Tele/Fax: 408-782-8156 408-782-6308 (fax)	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506	

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft, Oakland
Site Lat/Long:	
California Global ID No.:	T0600100201
Enfos Project No.:	G07TK-0035
Provision or OOC (circle one)	Provision
Phase/WBS:	04-Monitoring
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	
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. MQL0519	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	Sample Point Lat/Long and Comments *Oxy = MTBE,TAME,ETBE,DIPE,TBA
1	DPE-1	0740	12/14		X		-01	3				X		X	X	X	X	All by 8260
2	DPE-2	0608					-02	6										
3	DPE-3	0659					-03	3										
4	DPE-4	0825					-04	3										
5	DPE-5	0738					-05	3										
6	MW-11	0643					-06	3										
7																		
8																		
9	TB-11171214 2007	0539					-07	3										ON HOLD
10																		

Sampler's Name:	G. Mathis / T. Hill
Sampler's Company:	Stratus
Shipment Date:	12-14-07
Shipment Method:	Stratus
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	121407	1020		12/14	1020
	12-14-07	1650		12/14	1650
	12-14	2015	TAMH	12-14-07	2015

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

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.6 °C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP COC Rev. 5 10/11/2006

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: STRATUS
REC. BY (PRINT): PH
WORKORDER: M9L0519

DATE REC'D AT LAB: 12/14/07
TIME REC'D AT LAB: 2015
DATE LOGGED IN: 12/15/07

For Regulatory Purposes?
___ DRINKING WATER
___ WASTE WATER
✓ OTHER

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: 4.6°C Correction Factor: -1.0 Corrected Temp: 3.6°C Is corrected temp. 0-6°C? (Yes) / No**								
**Exception (if any): Metals / Perchlorate DFF on Ice or Problem COC								

12/14/07 problem SEE COC

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

APPENDIX B

STRATUS GROUND-WATER SAMPLING DATA PACKAGE
(Includes Field Data Sheets 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

November 27, 2007

Mr. Rob Miller
Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502

Re: Groundwater Sampling Data Package, BP Service Station No. 11117, located at 7210 Bancroft, Oakland, California

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representative: David DeMello / Tony Hill

Sampling Date: November 9, 2007
Arrival: 05:00 *Departure:* 10:30
Weather Conditions: Clear
Unusual Field Conditions: None
Scope of Work Performed: Quarterly monitoring and sampling
Variations from Work Scope: A sheen was noted in Well MW-4. Well EX-1 ran dry before three casing volumes were removed.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include field data sheets, non-hazardous waste data form, chain of custody documentation, and certified analytical results. 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.

Jay R. Johnson, P.G.
Project Manager

Attachments:

- Field Data Sheets
- Non-Hazardous Waste Data Form
- Chain of Custody Documentation
- Certified Analytical Results

cc: Mr. Paul Supple, BP/ARCO

STATUS
ENVIRONMENTAL, INC.

Site Address: 7210 BANCROFT
City OAKLAND, CA
Sampled By D. DeMello

ORIGINAL

Site Number: ARCO 11117
Project No. E 11117
Project PM JAY JOHNSON
Date Sampled 11-09-07

Site Contact Phone No.

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of Well feet	Casing Water Column (A)	Well Diameter (inches)	Multiplier Value (B)	Three Casing Volumes (gallons)	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample Time	Dissolved Oxygen (mg/L)
MW-1	0555	20.00	20	36.28	-	2	.5	—							MW-1	N/S	
MW-2	0525	21.53	20	39.33	17.80	2	.5	8.90	9		X			21.87	MW-2	0929	1.65
MW-3	0550	20.27	30	45.00	-	2	.5	—							MW-3	N/S	
MW-4	0535	21.27	20	39.56	18.29	2	.5	9.15	9		X			21.39	MW-4	1010	.73
MW-6	0600	20.70	20	39.28	-	2	.5	—							MW-6	N/S	
MW-7	0545	23.28	25	44.73	21.45	2	.5	10.73	11		X			31.69	MW-7	0735	2.13
MW-8	0615	20.92	25	39.38	-	2	.5	—							MW-8	N/S	
MW-9	0625	21.62	25	38.90	-	2	.5	—							MW-9	N/S	
MW-10	0635	22.53	15	35.54	13.01	2	.5	6.5	6.5		X			27.09	MW-10	0655	1.83
EX-1	0530	21.57	18	37.73	16.16	4	2	32.32	20			X	DRY @ 20gal	35.52	EX-1	0930	1.50
EX-2	0540	22.07	15	34.98	12.91	4	2	25.82	26			X		30.88	EX-2	0845	4.01
TB-	11117-	110907-	A-	D											TB	0515	
								TOTAL	81.5								

(A) Casing water Column
Depth wtr. Depth to Bottom

Multiplier Values
2"=0.5 4"=2.0 6"=4.4

ENVIRONMENTAL, INC.

Site Address 7210 BANCROFT
City OAKLAND, CA
Site Sampled by D. DeMello

Site Number ARCO 1117
Project No. E1117
Project PM Jay Johnson
Date Sampled 11-09-07

ORIGINAL

Page 1 of 1

Well ID	MW-10			0655
purge start time	Bailer		No odor	
	Temp C	pH	cond	gallons
time	19.9	7.33	946	∅
time	21.8	7.25	931	3.5
time	21.7	7.31	934	6.5
time				
purge stop time	ORP (163)			

Well ID	MW-7			0735
purge start time	Bailer		No odor	
	Temp C	pH	cond	gallons
time	20.3	7.55	874	∅
time	22.5	7.56	832	5
time	21.3	857	859	11
time				
pugre stop time	ORP (167)			

Well ID	EX-2			0845
purge start time	0820		No odor	
	Temp C	pH	cond	gallons
time	21.8	7.47	555	∅
time	22.1	7.41	744	13
time	20.5	7.37	657	26
time				
purge stop time	0838	ORP (179)		

40

Well ID	MW-2			0920
purge start time	Bailer		odor	
	Temp C	pH	cond	gallons
time	21.4	7.17	893	
time	21.8	7.10	870	
time	22.1	7.16	865	
time				
purge stop time	ORP (163)			

Well ID	EX-1			0930
purge start time	0905		odor	
	Temp C	pH	cond	gallons
time	22.3	7.03	785	∅
time	22.3	7.16	817	15
time	22.4	7.12	816	28
time	DRY @ 20gal			
purge stop time	0920	ORP (167)		

Well ID	Sheen MW-4			
purge start time	Bailer		odor	
	Temp C	pH	cond	gallons
time	23.1	7.14	864	∅
time	22.5	7.15	864	4.5
time	23.0	7.07	877	9
time				
purge stop time				

Well ID				
purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID				
purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Wellhead Observation Form

Account: ARCO 11117

Sampled by: D. DeMello / TONY Date: 11-09-07

Well ID	Box in good condition	Lock Missing (Replaced with new)	Water in Box	Bolts Missing	Bolts Stripped	Bolt-Holes Stripped	Cracked or Broken Lid	Cracked Box and/or Bolt - Holes	Misc.	Add'l -- Notes and Other Stuff
MW-1					(2)					
MW-2			X							
MW-3	X									
MW-4	X									
MW-6	X									
MW-7			X							
MW-8			X							
MW-9			X							
MW-10					(1)					
EX-1				(1)						
EX-2	X									

ORIGINAL

NO. 665091

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE: 11113

NAME: BP WEST COAST PRODUCTS LLC ARCO # 11113 — EPA I.D. NO.: NOT REQUIRED

ADDRESS: P.O. BOX 80249 RANCHO SANTA MARGARITA — PROFILE NO.:

CITY, STATE, ZIP: CA 92688 — PHONE NO. ( )

CONTAINERS: No. ____ VOLUME ____ WEIGHT ____

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER ____

WASTE DESCRIPTION: NON-HAZARDOUS WATER — GENERATING PROCESS: WELL PURGING/DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER	99-100%		5.		
2. TPH	<1%		6.		
3.			7. BESI#		
4.			8.		

PROPERTIES: 7-10 pH ____ ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Hoothart BESI for BP — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

Transporter #1 — Transporter #2

NAME: STRATUS ENVIRONMENTAL — EPA I.D. NO.:

ADDRESS: 3330 CAMERON PARK DR — SERVICE ORDER NO.:

CITY, STATE, ZIP: CAMERON PARK, CA 95682 — PICK UP DATE:

PHONE NO.: 530-676-2031

TRUCK, UNIT, I.D. NO.: — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: SEAPORT REFINING & ENVIRONMENTAL, LLC — EPA I.D. NO.:

ADDRESS: 700 SEAPORT BLVD. — DISPOSAL METHOD

CITY, STATE, ZIP: REDWOOD CITY, CA 94063 — ☐ LANDFILL ☐ OTHER ____

PHONE NO.: 650-364-1024

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL

Project Name: ARCO 11117
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy): STD-TAT

On-site Time:	0500	Temp:	60's
Off-site Time:	1030	Temp:	70's
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 11117	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 7210 Bancroft, Oakland	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.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G07TK-0029	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: 04-Monitoring	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	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	MTL by 8260 Requested Analysis: GRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	Sample Point Lat/Long and Comments *Oxy = MTBE,TAME,ETBE,DIPE,TBA
1	MW-2	0920	11/09		X			3				X		X	X	X	X	
2	MW-4	1010	11/09		↓			6				↓		↓	↓	↓	↓	
3	MW-7	0735	↓		↓			3				↓		↓	↓	↓	↓	
4	MW-10	0655	↓		↓			3				↓		↓	↓	↓	↓	
5	EX-1	0830	↓		↓			3				↓		↓	↓	↓	↓	
6	EX-2	0845	↓		↓			3				↓		↓	↓	↓	↓	
7																		
8	TB-11117-11092007	0515	11/09					2	—	—	—	—	—	—	—	—	—	Hold
9																		
10																		

Sampler's Name: David DeMello	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: STRATUS ENVIRONMENTAL INC.	David DeMello / STRATUS ENVIRON.	11-09-07	1215	Kim Nelson	11-9-7	12:20
Shipment Date: 11-09-07						
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

TestAmerica
ANALYTICAL TESTING CORPORATION

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

27 November, 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: MQK0358

Enclosed are the results of analyses for samples received by the laboratory on 11/09/07 16:40. 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	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MQK0358-01	Water	11/09/07 09:20	11/09/07 16:40
MW-4	MQK0358-02	Water	11/09/07 10:10	11/09/07 16:40
MW-7	MQK0358-03	Water	11/09/07 07:35	11/09/07 16:40
MW-10	MQK0358-04	Water	11/09/07 06:55	11/09/07 16:40
EX-1	MQK0358-05	Water	11/09/07 09:30	11/09/07 16:40
EX-2	MQK0358-06	Water	11/09/07 08:45	11/09/07 16:40
TB-11117-11092007	MQK0358-07	Water	11/09/07 05:15	11/09/07 16:40

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 no custody seals.

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MQK0358-01) Water Sampled: 11/09/07 09:20 Received: 11/09/07 16:40									
Gasoline Range Organics (C4-C12)	**49000**	10000	ug/l	200	7K15016	11/15/07	11/16/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*55-130*		"	"	"	"	
MW-4 (MQK0358-02) Water Sampled: 11/09/07 10:10 Received: 11/09/07 16:40									
Gasoline Range Organics (C4-C12)	**110000**	10000	ug/l	200	7K15016	11/15/07	11/16/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*90 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*55-130*		"	"	"	"	
MW-7 (MQK0358-03) Water Sampled: 11/09/07 07:35 Received: 11/09/07 16:40									
Gasoline Range Organics (C4-C12)	**61**	50	ug/l	1	7K15016	11/15/07	11/16/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*55-130*		"	"	"	"	
MW-10 (MQK0358-04) Water Sampled: 11/09/07 06:55 Received: 11/09/07 16:40									
Gasoline Range Organics (C4-C12)	**1100**	200	ug/l	4	7K16001	11/16/07	11/16/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EX-1 (MQK0358-05) Water Sampled: 11/09/07 09:30 Received: 11/09/07 16:40									
Gasoline Range Organics (C4-C12)	**5300**	1000	ug/l	20	7K15016	11/15/07	11/16/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*55-130*		"	"	"	"	
EX-2 (MQK0358-06) Water Sampled: 11/09/07 08:45 Received: 11/09/07 16:40									
Gasoline Range Organics (C4-C12)	**120**	50	ug/l	1	7K15016	11/15/07	11/16/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MQK0358-01) Water Sampled: 11/09/07 09:20 Received: 11/09/07 16:40									
tert-Amyl methyl ether	ND	100	ug/l	200	7K15016	11/15/07	11/16/07	EPA 8260B	
Benzene	**6300**	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	**2900**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**9500**	100	"	"	"	"	"	"	
Toluene	**3300**	100	"	"	"	"	"	"	
Xylenes (total)	**8300**	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*55-130*		"	"	"	"	
MW-4 (MQK0358-02) Water Sampled: 11/09/07 10:10 Received: 11/09/07 16:40									
tert-Amyl methyl ether	ND	100	ug/l	200	7K15016	11/15/07	11/16/07	EPA 8260B	
Benzene	**3300**	100	"	"	"	"	"	"	
tert-Butyl alcohol	**5700**	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	**3600**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**1200**	100	"	"	"	"	"	"	
Toluene	**2400**	100	"	"	"	"	"	"	
Xylenes (total)	**13000**	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MQK0358-03) Water Sampled: 11/09/07 07:35 Received: 11/09/07 16:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7K15016	11/15/07	11/16/07	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	**71**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.3**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*55-130*		"	"	"	"	
MW-10 (MQK0358-04) Water Sampled: 11/09/07 06:55 Received: 11/09/07 16:40									
tert-Amyl methyl ether	ND	10	ug/l	20	7K15016	11/15/07	11/16/07	EPA 8260B	
Benzene	ND	10	"	"	"	"	"	"	
tert-Butyl alcohol	ND	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Ethanol	ND	6000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1600**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	**13**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EX-1 (MQK0358-05) Water Sampled: 11/09/07 09:30 Received: 11/09/07 16:40									
tert-Amyl methyl ether	ND	25	ug/l	50	7K16001	11/16/07	11/16/07	EPA 8260B	
Benzene	**2700**	25	"	"	"	"	"	"	
tert-Butyl alcohol	**1900**	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	15000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	**220**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**370**	25	"	"	"	"	"	"	
Toluene	**29**	25	"	"	"	"	"	"	
Xylenes (total)	**200**	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*55-130*		"	"	"	"	
EX-2 (MQK0358-06) Water Sampled: 11/09/07 08:45 Received: 11/09/07 16:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7K15016	11/15/07	11/16/07	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	**0.57**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**140**	0.50	"	"	"	"	"	"	
Toluene	**0.53**	0.50	"	"	"	"	"	"	
Xylenes (total)	**2.7**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

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 7K15016 - EPA 5030B P/T / LUFT GCMS										
Blank (7K15016-BLK1)				Prepared & Analyzed: 11/15/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-150*			
Surrogate: Dibromofluoromethane	*2.28*		"	*2.50*		*91*	*75-130*			
Surrogate: Toluene-d8	*2.30*		"	*2.50*		*92*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.16*		"	*2.50*		*86*	*55-130*			
Laboratory Control Sample (7K15016-BS2)				Prepared & Analyzed: 11/15/07						
Gasoline Range Organics (C4-C12)	484	50	ug/l	500		97	55-130			
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-150*			
Surrogate: Dibromofluoromethane	*2.33*		"	*2.50*		*93*	*75-130*			
Surrogate: Toluene-d8	*2.35*		"	*2.50*		*94*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.37*		"	*2.50*		*95*	*55-130*			
Laboratory Control Sample Dup (7K15016-BSD2)				Prepared & Analyzed: 11/15/07						
Gasoline Range Organics (C4-C12)	441	50	ug/l	500		88	55-130	9	20	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-150*			
Surrogate: Dibromofluoromethane	*2.27*		"	*2.50*		*91*	*75-130*			
Surrogate: Toluene-d8	*2.30*		"	*2.50*		*92*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.25*		"	*2.50*		*90*	*55-130*			
Matrix Spike (7K15016-MS1)	**Source: MQK0356-01**			Prepared & Analyzed: 11/15/07						
Gasoline Range Organics (C4-C12)	652	50	ug/l	550	ND	119	25-150			
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-150*			
Surrogate: Dibromofluoromethane	*2.39*		"	*2.50*		*96*	*75-130*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*95*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.32*		"	*2.50*		*93*	*55-130*			
Matrix Spike Dup (7K15016-MSD1)	**Source: MQK0356-01**			Prepared & Analyzed: 11/15/07						
Gasoline Range Organics (C4-C12)	544	50	ug/l	550	ND	99	25-150	18	20	
Surrogate: 1,2-Dichloroethane-d4	*2.33*		"	*2.50*		*93*	*60-150*			
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*95*	*75-130*			
Surrogate: Toluene-d8	*2.33*		"	*2.50*		*93*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.34*		"	*2.50*		*94*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

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 7K16001 - EPA 5030B P/T / LUFT GCMS										
Blank (7K16001-BLK1)				Prepared & Analyzed: 11/16/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.78*		"	*2.50*		*111*	*60-150*			
Surrogate: Dibromofluoromethane	*2.61*		"	*2.50*		*104*	*75-130*			
Surrogate: Toluene-d8	*2.54*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.20*		"	*2.50*		*88*	*55-130*			
Laboratory Control Sample (7K16001-BS2)				Prepared & Analyzed: 11/16/07						
Gasoline Range Organics (C4-C12)	487	50	ug/l	500		97	55-130			
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-150*			
Surrogate: Dibromofluoromethane	*2.77*		"	*2.50*		*111*	*75-130*			
Surrogate: Toluene-d8	*2.70*		"	*2.50*		*108*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.95*		"	*2.50*		*118*	*55-130*			
Laboratory Control Sample Dup (7K16001-BSD2)				Prepared & Analyzed: 11/16/07						
Gasoline Range Organics (C4-C12)	487	50	ug/l	500		97	55-130	0.02	20	
Surrogate: 1,2-Dichloroethane-d4	*2.74*		"	*2.50*		*110*	*60-150*			
Surrogate: Dibromofluoromethane	*2.60*		"	*2.50*		*104*	*75-130*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.72*		"	*2.50*		*109*	*55-130*			
Matrix Spike (7K16001-MS1)	**Source: MQK0357-03**			Prepared & Analyzed: 11/16/07						
Gasoline Range Organics (C4-C12)	594	50	ug/l	550	ND	108	25-150			
Surrogate: 1,2-Dichloroethane-d4	*2.61*		"	*2.50*		*104*	*60-150*			
Surrogate: Dibromofluoromethane	*2.63*		"	*2.50*		*105*	*75-130*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.75*		"	*2.50*		*110*	*55-130*			
Matrix Spike Dup (7K16001-MSD1)	**Source: MQK0357-03**			Prepared & Analyzed: 11/16/07						
Gasoline Range Organics (C4-C12)	611	50	ug/l	550	ND	111	25-150	3	20	
Surrogate: 1,2-Dichloroethane-d4	*2.77*		"	*2.50*		*111*	*60-150*			
Surrogate: Dibromofluoromethane	*2.59*		"	*2.50*		*104*	*75-130*			
Surrogate: Toluene-d8	*2.67*		"	*2.50*		*107*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.54*		"	*2.50*		*102*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

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 7K15016 - EPA 5030B P/T / EPA 8260B										
Blank (7K15016-BLK1)				Prepared & Analyzed: 11/15/07						
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	*2.28*		"	*2.50*		*91*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-150*			
Surrogate: Toluene-d8	*2.30*		"	*2.50*		*92*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.16*		"	*2.50*		*86*	*55-130*			
Laboratory Control Sample (7K15016-BS1)				Prepared & Analyzed: 11/15/07						
tert-Amyl methyl ether	9.18	0.50	ug/l	10.0		92	75-125			
Benzene	9.31	0.50	"	10.0		93	75-120			
tert-Butyl alcohol	198	20	"	200		99	80-120			
Di-isopropyl ether	9.45	0.50	"	10.0		94	70-130			
1,2-Dibromoethane (EDB)	9.60	0.50	"	10.0		96	75-130			
1,2-Dichloroethane	9.45	0.50	"	10.0		94	65-130			
Ethanol	239	300	"	200		119	50-150			
Ethyl tert-butyl ether	9.36	0.50	"	10.0		94	75-130			
Ethylbenzene	9.80	0.50	"	10.0		98	80-125			
Methyl tert-butyl ether	9.24	0.50	"	10.0		92	80-130			
Toluene	9.17	0.50	"	10.0		92	80-120			
Xylenes (total)	28.5	0.50	"	30.0		95	80-125			
Surrogate: Dibromofluoromethane	*2.28*		"	*2.50*		*91*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.27*		"	*2.50*		*91*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.23*		"	*2.50*		*89*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

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 7K15016 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7K15016-MS1)	**Source: MQK0356-01**			Prepared & Analyzed: 11/15/07						
tert-Amyl methyl ether	9.55	0.50	ug/l	10.0	ND	96	75-140			
Benzene	9.50	0.50	"	10.0	ND	95	80-120			
tert-Butyl alcohol	206	20	"	200	2.13	102	80-125			
Di-isopropyl ether	9.69	0.50	"	10.0	ND	97	75-135			
1,2-Dibromoethane (EDB)	10.1	0.50	"	10.0	ND	101	80-135			
1,2-Dichloroethane	12.4	0.50	"	10.0	2.48	99	65-145			
Ethanol	243	300	"	200	ND	121	50-150			
Ethyl tert-butyl ether	9.67	0.50	"	10.0	ND	97	80-135			
Ethylbenzene	9.93	0.50	"	10.0	ND	99	75-130			
Methyl tert-butyl ether	9.81	0.50	"	10.0	0.220	96	75-145			
Toluene	9.42	0.50	"	10.0	ND	94	80-125			
Xylenes (total)	29.7	0.50	"	30.0	0.450	97	75-125			
Surrogate: Dibromofluoromethane	*2.39*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*95*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.32*		"	*2.50*		*93*	*55-130*			
Matrix Spike Dup (7K15016-MSD1)	**Source: MQK0356-01**			Prepared & Analyzed: 11/15/07						
tert-Amyl methyl ether	9.54	0.50	ug/l	10.0	ND	95	75-140	0.1	25	
Benzene	9.42	0.50	"	10.0	ND	94	80-120	0.8	20	
tert-Butyl alcohol	200	20	"	200	2.13	99	80-125	3	25	
Di-isopropyl ether	9.61	0.50	"	10.0	ND	96	75-135	0.8	25	
1,2-Dibromoethane (EDB)	10.0	0.50	"	10.0	ND	100	80-135	0.3	30	
1,2-Dichloroethane	12.4	0.50	"	10.0	2.48	99	65-145	0.08	25	
Ethanol	238	300	"	200	ND	119	50-150	2	25	
Ethyl tert-butyl ether	9.74	0.50	"	10.0	ND	97	80-135	0.7	25	
Ethylbenzene	9.80	0.50	"	10.0	ND	98	75-130	1	20	
Methyl tert-butyl ether	9.88	0.50	"	10.0	0.220	97	75-145	0.7	25	
Toluene	9.37	0.50	"	10.0	ND	94	80-125	0.5	25	
Xylenes (total)	29.0	0.50	"	30.0	0.450	95	75-125	2	20	
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*95*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.33*		"	*2.50*		*93*	*60-150*			
Surrogate: Toluene-d8	*2.33*		"	*2.50*		*93*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.34*		"	*2.50*		*94*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

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 7K16001 - EPA 5030B P/T / EPA 8260B										
Blank (7K16001-BLK1)				Prepared & Analyzed: 11/16/07						
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	*2.61*		"	*2.50*		*104*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.78*		"	*2.50*		*111*	*60-150*			
Surrogate: Toluene-d8	*2.54*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.20*		"	*2.50*		*88*	*55-130*			
Laboratory Control Sample (7K16001-BS1)				Prepared & Analyzed: 11/16/07						
tert-Amyl methyl ether	9.92	0.50	ug/l	10.0		99	75-125			
Benzene	10.1	0.50	"	10.0		101	75-120			
tert-Butyl alcohol	189	20	"	200		94	80-120			
Di-isopropyl ether	9.08	0.50	"	10.0		91	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	75-130			
1,2-Dichloroethane	10.2	0.50	"	10.0		102	65-130			
Ethanol	183	300	"	200		91	50-150			
Ethyl tert-butyl ether	9.88	0.50	"	10.0		99	75-130			
Ethylbenzene	10.6	0.50	"	10.0		106	80-125			
Methyl tert-butyl ether	9.35	0.50	"	10.0		94	80-130			
Toluene	8.96	0.50	"	10.0		90	80-120			
Xylenes (total)	31.2	0.50	"	30.0		104	80-125			
Surrogate: Dibromofluoromethane	*2.43*		"	*2.50*		*97*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.22*		"	*2.50*		*89*	*60-150*			
Surrogate: Toluene-d8	*2.64*		"	*2.50*		*106*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.47*		"	*2.50*		*99*	*55-130*			

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	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

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 7K16001 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7K16001-MS1)	**Source: MQK0357-03**			Prepared & Analyzed: 11/16/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	75-140			
Benzene	9.32	0.50	"	10.0	ND	93	80-120			
tert-Butyl alcohol	193	20	"	200	ND	96	80-125			
Di-isopropyl ether	9.75	0.50	"	10.0	ND	98	75-135			
1,2-Dibromoethane (EDB)	11.2	0.50	"	10.0	ND	112	80-135			
1,2-Dichloroethane	9.92	0.50	"	10.0	ND	99	65-145			
Ethanol	185	300	"	200	ND	92	50-150			
Ethyl tert-butyl ether	10.3	0.50	"	10.0	ND	103	80-135			
Ethylbenzene	11.6	0.50	"	10.0	ND	116	75-130			
Methyl tert-butyl ether	9.72	0.50	"	10.0	ND	97	75-145			
Toluene	9.25	0.50	"	10.0	ND	92	80-125			BA
Xylenes (total)	31.5	0.50	"	30.0	ND	105	75-125			
Surrogate: Dibromofluoromethane	*2.63*		"	*2.50*		*105*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.61*		"	*2.50*		*104*	*60-150*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.75*		"	*2.50*		*110*	*55-130*			
Matrix Spike Dup (7K16001-MSD1)	**Source: MQK0357-03**			Prepared & Analyzed: 11/16/07						
tert-Amyl methyl ether	11.1	0.50	ug/l	10.0	ND	111	75-140	9	25	
Benzene	9.94	0.50	"	10.0	ND	99	80-120	6	20	
tert-Butyl alcohol	186	20	"	200	ND	93	80-125	3	25	
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	75-135	10	25	
1,2-Dibromoethane (EDB)	11.1	0.50	"	10.0	ND	111	80-135	1	30	
1,2-Dichloroethane	11.2	0.50	"	10.0	ND	112	65-145	12	25	
Ethanol	199	300	"	200	ND	100	50-150	8	25	
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	80-135	2	25	
Ethylbenzene	10.0	0.50	"	10.0	ND	100	75-130	14	20	
Methyl tert-butyl ether	11.2	0.50	"	10.0	ND	112	75-145	14	25	
Toluene	12.1	0.50	"	10.0	ND	121	80-125	27	25	LM, BA
Xylenes (total)	27.5	0.50	"	30.0	ND	92	75-125	14	20	
Surrogate: Dibromofluoromethane	*2.59*		"	*2.50*		*104*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.77*		"	*2.50*		*111*	*60-150*			
Surrogate: Toluene-d8	*2.67*		"	*2.50*		*107*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.54*		"	*2.50*		*102*	*55-130*			

TestAmerica
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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11117,Oakland, CA	MQK0358
3330 Cameron Park Dr., Suite 550	Project Number: G07TK-0029	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/27/07 13:39

Notes and Definitions

LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
BA	Relative percent difference out of control
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
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:
Requested Due Date (mm/dd/yy): STD - TAT

On-site Time:	0500	Temp:	60's
Off-site Time:	1030	Temp:	70's
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name:	TestAmerica
Address:	885 Jarvis Drive
	Morgan Hill, CA 95937
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156 408-782-6308 (fax)
BP/AR PM Contact:	Paul Supple
Address:	2010 Crow Canyon Place, Suite 150
	San Ramon, CA
Tele/Fax:	925-275-3506

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft, Oakland
Site Lat/Long:	
California Global ID No.:	T0600100201
Enfos Project No.:	G07TK-0029
Provision or OOC (circle one)	Provision
Phase/WBS:	04-Monitoring
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	
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 2007	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No. MQK0358	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	All by 8260 Requested Analysis: GRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	Sample Point Lat/Long and Comments *Oxy = MTBE,TAME,ETBE,DIPE,TBA
1	MW-2	0920	11/09		X		01	3				X		X	X	X	X	
2	MW-4	1010	11/09				02	6										
3	MW-7	0735					03	3										
4	MW-10	0655					04	3										
5	EX-1	0930					05	3										
6	EX-2	0845					06	3										
7																		Hold
8	TB-11117-11092007	0515	11/09				07	2										
9																		
10																		

Sampler's Name:	David DeMello	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company:	Stratus Environmental Inc.	David DeMello / Stratus Environmental	11/09/07	1215	Kim Nelson	11-9-7 1220
Shipment Date:	11-09-07	Ed Martinez	11-9	1545	Ed Martinez	11-9-7 1545
Shipment Method:			11-9-07	1640		11/9 1640
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: 2.0 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO
REC. BY (PRINT): P.J.
WORKORDER: MQK0358

DATE REC'D AT LAB: 11/9/07
TIME REC'D AT LAB: 1810
DATE LOGGED IN: 11/10/07

For Regulatory Purposes?
___ DRINKING WATER
___ WASTE WATER
✓ OTHER

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** (circled); Intact / Broken*								
2. Chain-of-Custody	**Present** (circled) / Absent*								
3. Traffic Reports or Packing List:	Present / **Absent** (circled)								
4. Airbill:	Airbill / Sticker; Present / **Absent** (circled)								
5. Airbill #:									
6. Sample Labels:	**Present** (circled) / Absent								
7. Sample IDs:	**Listed** (circled) / Not Listed on Chain-of-Custody								
8. Sample Condition:	**Intact** (circled) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	**Yes** (circled) / No*			See COC 11/9/07 D.J.					
10. Sample received within hold time?	**Yes** (circled) / No*								
11. Adequate sample volume received?	**Yes** (circled) / No*								
12. Proper preservatives used?	**Yes** (circled) / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	**Yes** (circled) / No*								
14. Read Temp: 3.0; Correction Factor: -1.0; Corrected Temp: 2.0; Is corrected temp. 0-6°C?	**Yes** (circled) / No**								
**Exception (if any): Metals / Perchlorate DFF on Ice or Problem COC									

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

SAMPLERECEIPTLOG
Revision 9 (10/26/07)

APPENDIX C

GeoTracker Upload Confirmation Reports

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_MAP FILE

YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:	BP #11117
Global ID:	T0600100201
Submittal Type:	GEO_MAP
Submittal Date/Time:	1/25/2008 4:07:04 PM
Confirmation Number:	9705808877

Click here to view the image.

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CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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UPLOADING A GEO_BORE FILE

YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:	BP #11117
Global ID:	T0600100201
Field Pt Name:	MW-11
Submittal Type:	GEO_BORE
Submittal Date/Time:	1/25/2008 4:08:08 PM
Confirmation Number:	9975468516

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CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

UPLOADING A GEO_BORE FILE

YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:	BP #11117
Global ID:	T0600100201
Field Pt Name:	DPE-1
Submittal Type:	GEO_BORE
Submittal Date/Time:	1/25/2008 4:09:39 PM
Confirmation Number:	8977374017

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UPLOADING A GEO_BORE FILE

YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:	BP #11117
Global ID:	T0600100201
Field Pt Name:	DPE-2
Submittal Type:	GEO_BORE
Submittal Date/Time:	1/25/2008 4:10:14 PM
Confirmation Number:	5389912486

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(CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

UPLOADING A GEO_BORE FILE

YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:	BP #11117
Global ID:	T0600100201
Field Pt Name:	DPE-3
Submittal Type:	GEO_BORE
Submittal Date/Time:	1/25/2008 4:10:37 PM
Confirmation Number:	7960753500

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UPLOADING A GEO_BORE FILE

YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:	BP #11117
Global ID:	T0600100201
Field Pt Name:	DPE-4
Submittal Type:	GEO_BORE
Submittal Date/Time:	1/25/2008 4:11:00 PM
Confirmation Number:	9890049815

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UPLOADING A GEO_BORE FILE

YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:	BP #11117
Global ID:	T0600100201
Field Pt Name:	DPE-5
Submittal Type:	GEO_BORE
Submittal Date/Time:	1/25/2008 4:11:34 PM
Confirmation Number:	6870745599

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(CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

UPLOADING A GEO_XY FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**GEO_XY 11117**
Facility Global ID:	**T0600100201**
Facility Name:	**BP #11117**
Submittal Date/Time:	**12/21/2007 4:30:35 PM**
Confirmation Number:	**3417605340**

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Electronic Submittal Information

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UPLOADING A GEO_Z FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**GEO_Z 11117**
Facility Global ID:	**T0600100201**
Facility Name:	**BP #11117**
Submittal Date/Time:	**12/21/2007 4:22:33 PM**
Confirmation Number:	**7188662469**

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Confirmation Number: 3446079134
Date/Time of Submittal: 2/4/2008 11:24:04 AM
Facility Global ID: T0600100201
Facility Name: BP #11117
Submittal Title: DPE Soil 1107
Submittal Type: Miscellaneous Sample Results

Click here to view the detections report for this upload.

BP #11117
7210 BANCROFT
OAKLAND, CA 94605

Regional Board - Case #: 01-0215
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000356
ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
3446079134	DPE Soil 1107	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	2/4/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	2
# FIELD POINTS WITH DETECTIONS	2
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	SOIL

METHOD QA/QC REPORT

METHODS USED	8260TPH,A2540G,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	21
METHOD HOLDING TIME VIOLATIONS	21
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Electronic Submittal Information

Your EDF file has been successfully uploaded!

Confirmation Number: 8007539808
Date/Time of Submittal: 2/4/2008 11:24:22 AM
Facility Global ID: T0600100201
Facility Name: BP #11117
Submittal Title: DPE Soil 1107 2
Submittal Type: Miscellaneous Sample Results

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BP #11117
7210 BANCROFT
OAKLAND, CA 94605

Regional Board - Case #: 01-0215
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000356
ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
8007539808	DPE Soil 1107 2	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	2/4/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	SOIL

METHOD QA/QC REPORT

METHODS USED	8260TPH,A2540G,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Electronic Submittal Information

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Confirmation Number: 7342505931
Date/Time of Submittal: 2/4/2008 11:24:59 AM
Facility Global ID: T0600100201
Facility Name: BP #11117
Submittal Title: DPE Soil 1107 3
Submittal Type: Other/Miscellaneous Report

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BP #11117
7210 BANCROFT
OAKLAND, CA 94605

Regional Board - Case #: 01-0215
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000356
ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
7342505931	DPE Soil 1107 3	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	2/4/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	SOIL

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH,A2540G,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been successfully uploaded!

Confirmation Number: 7403063774
Date/Time of Submittal: 2/4/2008 10:06:18 AM
Facility Global ID: T0600100201
Facility Name: BP #11117
Submittal Title: Soil Waste Composite 1107
Submittal Type: Miscellaneous Sample Results

Click here to view the detections report for this upload.

BP #11117
7210 BANCROFT
OAKLAND, CA 94605

Regional Board - Case #: 01-0215
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000356
ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
7403063774	Soil Waste Composite 1107	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	2/4/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	1
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	SOIL

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH,A2540G,SW6010B
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETBE TO BE TESTED	
- 8260FA REQUIRES TAME TO BE TESTED	
- 8260FA REQUIRES DIPE TO BE TESTED	
- 8260FA REQUIRES TBA TO BE TESTED	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Confirmation Number: 3676156342
Date/Time of Submittal: 2/4/2008 12:37:39 PM
Facility Global ID: T0600100201
Facility Name: BP #11117
Submittal Title: 4Q07 Post-Development GW Samples
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

BP #11117
7210 BANCROFT
OAKLAND, CA 94605

Regional Board - Case #: 01-0215
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000356
ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
3676156342	4Q07 Post-Development GW Samples	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	2/4/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	6
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Electronic Submittal Information

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Submittal Title:	**4Q07 GEO_WELL 11117**
Facility Global ID:	**T0600100201**
Facility Name:	**BP #11117**
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Facility Global ID: T0600100201
Facility Name: BP #11117
Submittal Title: 4Q07 GW Monitoring
Submittal Type: GW Monitoring Report

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BP #11117
7210 BANCROFT
OAKLAND, CA 94605

Regional Board - Case #: 01-0215
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000356
ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
7101392507	4Q07 GW Monitoring	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	12/12/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	5
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0