Atlantic Richfield Company
(a BP affiliated company)

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

30 April 2007

Re: First Quarter 2007 Ground-Water Monitoring Report
Atlantic Richfield Company (a BP affiliated company) Station #2111
1156 Davis Street
San Leandro, California
ACEH Case #RO0000494

"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

First Quarter 2007 Ground-Water Monitoring
And
Remediation System Status Report
Atlantic Richfield Company Station #2111
1156 Davis Street
San Leandro, 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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30 April 2007

Project No. 06-08-615

Broadbent & Associates, Inc.
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BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

30 April 2007 Project No. 06-08-615

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

Attn.: Mr. Paul Supple

Re: First Quarter 2007 Ground-Water Monitoring and Remediation System Status Report, Atlantic Richfield Company (a BP affiliated company) Station #2111, 1156 Davis Street, San Leandro, California
ACEH Case #RO0000494

Dear Mr. Supple:

Attached is the *First Quarter 2007 Ground-Water Monitoring and Remediation System Status Report* for Atlantic Richfield Company Station #2111 (herein referred to as Station #2111) located at 1156 Davis Street, San Leandro, California (Property). This report presents results of ground-water monitoring conducted at Station #2111 during the First Quarter 2007.

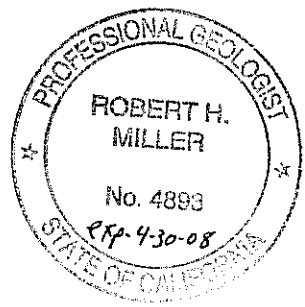
Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E.
Senior Engineer

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



Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health (Submitted via ACEH ftp site)
Mr. Karl Busche, City of San Leandro Environmental Services Division, 835 East 14th Street, San Leandro, California 94577
Electronic copy uploaded to GeoTracker

STATION #2111 QUARTERLY GROUND-WATER MONITORING AND REMEDIATION SYSTEM STATUS REPORT

Facility: #2111 Address:	1156 Davis Street, San Leandro, 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.:	06-08-615
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) ACEH Case #RO0000494
Facility Permits/Permitting Agency:	City of San Leandro Special Discharge Permit SD-036; Bay Area Air Quality Management District Plant 16189

WORK PERFORMED THIS QUARTER (First Quarter 2007):

1. Prepared and submitted Fourth Quarter 2006 report.
2. Conducted ground-water monitoring/sampling for First Quarter 2007. Work performed on 15 January 2007 by Stratus Environmental, Inc (Stratus).
3. Submitted Dual-Phase Extraction (DPE) system startup notification letter to Bay Area Air Quality Management District (BAAQMD) on 24 January 2007 (Stratus).
4. Conducted startup of DPE treatment system on 29 January 2007 (Stratus).
5. Performed routine operation, maintenance and performance monitoring of the DPE treatment system (Stratus).
6. Submitted DPE system startup report to BAAQMD on 28 February 2007 (Stratus).
7. Submitted monthly discharge reports for January, February and March 2007 to the City of San Leandro (Stratus).

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2007):

1. Prepared and submitted this First Quarter 2007 Ground-Water Monitoring and Remediation System Status Report (contained herein).
2. Conduct quarterly ground-water monitoring/sampling for Second Quarter 2007.
3. Continue operation, maintenance and performance monitoring of the DPE treatment system.
4. Submit monthly discharge reports for April-June 2007.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	**Ground-Water Monitoring/Sampling/Remediation**
Frequency of ground-water monitoring:	**Quarterly: MW-1 through MW-8**
Frequency of ground-water sampling:	**Quarterly: MW-1 through MW-5, MW-7 and MW-8** **Annually (3Q): MW-6**
Is free product (FP) present on-site:	**No**
FP recovered this quarter:	**0 gallons**
Cumulative FP recovered:	**1.44 gallons (MW-2)**
Depth to ground-water (below TOC):	**13.80 ft (MW-6) to 16.81 ft (MW-1)**
General ground-water flow direction:	**Southwest**
Approximate hydraulic gradient:	**0.004 ft/ft**
Current remediation techniques:	**DPE treatment system**
System startup:	**01/29/2007**
Extraction wells:	**SVE: V-1, V-2, V-3, MW-1, MW-3, MW-7, MW-8** **GWE: MW-2**

QUARTERLY RESULTS SUMMARY (Continued):

Frequency of DPE system field monitoring:	**Bi-weekly**			
Frequency of DPE system sampling:	**Monthly**			
Gallons of ground-water treated and discharged this quarter:	**130,262**			
Total gallons of ground-water treated and discharged to date:	**130,262**			
Total operation hours to date:	**443.8**			
Mass Removal (pounds)	**Quarterly**		**Cumulative**	
Gasoline range organics (GRO):	**1.606 (GWE)**	**77.53 (SVE)**	**1.606 (GWE)**	**77.53 (SVE)**
Benzene:	**0.026 (GWE)**		**0.026 (GWE)**	
Methyl-tert butyl ether (MTBE):	**1.664 (GWE)**		**1.664 (GWE)**	
Sample collection dates:	**1/29/2007**	**2/5/2007**	**3/5/2007**	
Ground-water DPE system influent sample results (µg/L):				
GRO:	**2,000**	**1,400**	**1,500**	
Benzene:	**35**	**25**	**20**	
MTBE:	**1,300**	**1,600**	**1,600**	
Ground-water DPE system effluent sample results (µg/L):				
GRO:	**<50**	**<50**	**<50**	
Benzene:	**<0.50**	**<0.50**	**<0.50**	
MTBE:	**<0.50**	**<0.50**	**<0.50**	
Soil vapor DPE system influent sample results (µg/L):				
GRO:	**77**	**400**	**100**	
Benzene:	**<0.50**	**10**	**2.3**	
MTBE:	**9.4**	**21**	**26**	
Soil vapor DPE system effluent sample results (µg/L):				
GRO:	**<10**	**<10**	**<10**	
Benzene:	**<0.10**	**<0.10**	**0.17**	
MTBE:	**<0.50**	**<0.50**	**<0.50**	

DISCUSSION:

First quarter 2007 ground-water monitoring and sampling was conducted at Station #2111 on 15 January 2007 by Stratus personnel. Water levels were gauged in the eight wells at the Site. Depth to water measurements ranged from 13.80 ft at MW-6 to 16.81 ft at MW-1. Resulting ground-water surface elevations ranged from 24.11 ft above mean sea level in well MW-7 to 22.49 ft at well MW-5. Water level elevations were between historic minimum and maximum ranges for each well, as summarized in Table 1. Water level elevations yielded a potentiometric ground-water flow direction and gradient to the southwest at approximately 0.004 ft/ft, consistent with historical data (see Table 3). Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground-water and respective ground-water elevations are summarized in Table 1. Historic free product thickness and cumulative product recovery from well MW-2 is presented in Table 4. Potentiometric ground-water elevation contours are presented in Drawing 1.

Consistent with the current ground-water sampling schedule, water samples were collected from wells MW-1 through MW-5, MW-7 and MW-8. Samples were submitted under chain of custody protocol to Test America Analytical Testing Corporation (Morgan Hill, California), for analysis of Gasoline Range Organics (GRO, C4-12) by the LUFT GCMS Method; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and 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 noted that the GRO result from the sample collected in well MW-7 was partly due to individual peak(s) in the quantitation range. No other significant irregularities were encountered 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.

Gasoline range organics (GRO) were detected above the laboratory reporting limit in four of the seven wells sampled at concentrations up to 5,000 micrograms per liter (µg/L) in well MW-2. Benzene was detected above the laboratory reporting limit in two of the seven wells sampled at concentrations up to 51 µg/L in well MW-2. Ethylbenzene was detected above the laboratory reporting limit in four of the seven wells sampled at concentrations up to 49 µg/L in well MW-2. Total Xylenes were detected above the laboratory reporting limit in two of the seven wells sampled at concentrations up to 34 µg/L in well MW-2. TAME was detected above the laboratory reporting limit in four of the seven wells sampled at concentrations up to 6.8 µg/L in well MW-1. TBA was detected above the laboratory reporting limit in four of the seven wells sampled at concentrations up to 9,300 µg/L in well MW-7. MTBE was detected above the laboratory reporting limit in each of the seven wells sampled at concentrations up to 3,900 µg/L in well MW-7. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the seven wells sampled this quarter. Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well, with the following exceptions: concentrations of GRO, Benzene, Toluene, Ethylbenzene, Total Xylenes, TAME, TBA and MTBE in well MW-8 were the lowest on record and the concentration of TBA in well MW-5 also reached a historic minimum value of 990 µg/L. Historic laboratory analytical results are summarized in Table 1 and Table 2. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 1. A copy of the Laboratory Analytical Report, including chain-of-custody documentation is provided in Appendix A. Ground-water monitoring data (GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix B.

Stratus brought the DPE system on-line on 29 January 2007. For the First Quarter 2007 period from 29 January 2007 to 29 March 2007, the DPE system is reported to have operated approximately 30 percent of the time. During this period, a total of 130,262 gallons of ground water was treated and discharged. Approximately 79.14 pounds of GRO (12.970 gallons) was reported removed during the First Quarter 2007. Approximately 0.026 pounds of benzene (0.003 gallons) was reported removed during the First Quarter 2007. Approximately 1.664 pounds of MTBE (0.270 gallons) was removed from the soil and groundwater during the First Quarter 2007. Ground-water extraction performance and analytical data is summarized in Tables 5, 6 and 7. Soil vapor extraction performance and analytical data is summarized in Tables 8, 9 and 10. The DPE system operated for approximately 18 days between 29 January 2007 and 29 March 2007 based on the hour meter reading. During the month of February, a flow totalizer was installed prior to the air-stripper to estimate the air-stripper ground-water treatment flow rate. Stratus found the system non-operational upon arrival at the site on 20 February 2007 due to failure of the transfer pump. Stratus found the system again non-operational upon arrival at the site on 27 February 2007 again due to failure of the transfer pump. Benzene and ethylbenzene concentrations were detected in the effluent sample collected on 5 March 2007. The concentrations were within the BAAQMD permit discharge limits. However, an additional effluent air sample was collected on 8 March 2007 and the system was shutdown pending verification of the analytical results. Upon receipt of the

results (which were non-detect for the tested constituents), Stratus' attempt to restart the system on 14 March 2007 failed due to the malfunction of the level floats on the knockout tank. The floats were replaced on 29 March 2007 and the system was restarted. Copies of Stratus' remediation system operation and maintenance data packages for the first quarter 2007 are contained within Appendix C. copies of Stratus' remediation system monthly discharge reports for the first quarter 2007 are contained within Appendix D.

CLOSURE:

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

ATTACHMENTS:

Drawing 1.	Ground-Water Elevation Contour and Analytical Summary Map – 15 January 2007
Table 1.	Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Table 2.	Summary of Fuel Additives Analytical Data
Table 3.	Historical Ground-Water Flow Direction and Gradient
Table 4.	Approximate Cumulative Floating Product Recovered
Table 5.	Soil Vapor Extraction System and Ground-Water Extraction System Monthly Discharge Analytical Results Summary
Table 6.	Ground-Water Extraction System Performance Data
Table 7.	Ground-Water Extraction System Effluent Data
Table 8.	Operational Uptime Information of the Soil Vapor Extraction System
Table 9.	Soil Vapor Extraction System Flow Rates and Air Sample Analytical Results
Table 10.	Soil Vapor Extraction and Emission Rates
Figure 1.	Cumulative GWE Mass Removal for GRO, Benzene, and MTBE
Figure 2.	GWE Influent Concentrations for GRO, Benzene, and MTBE
Figure 3.	SVE System Influent Concentration vs. Time

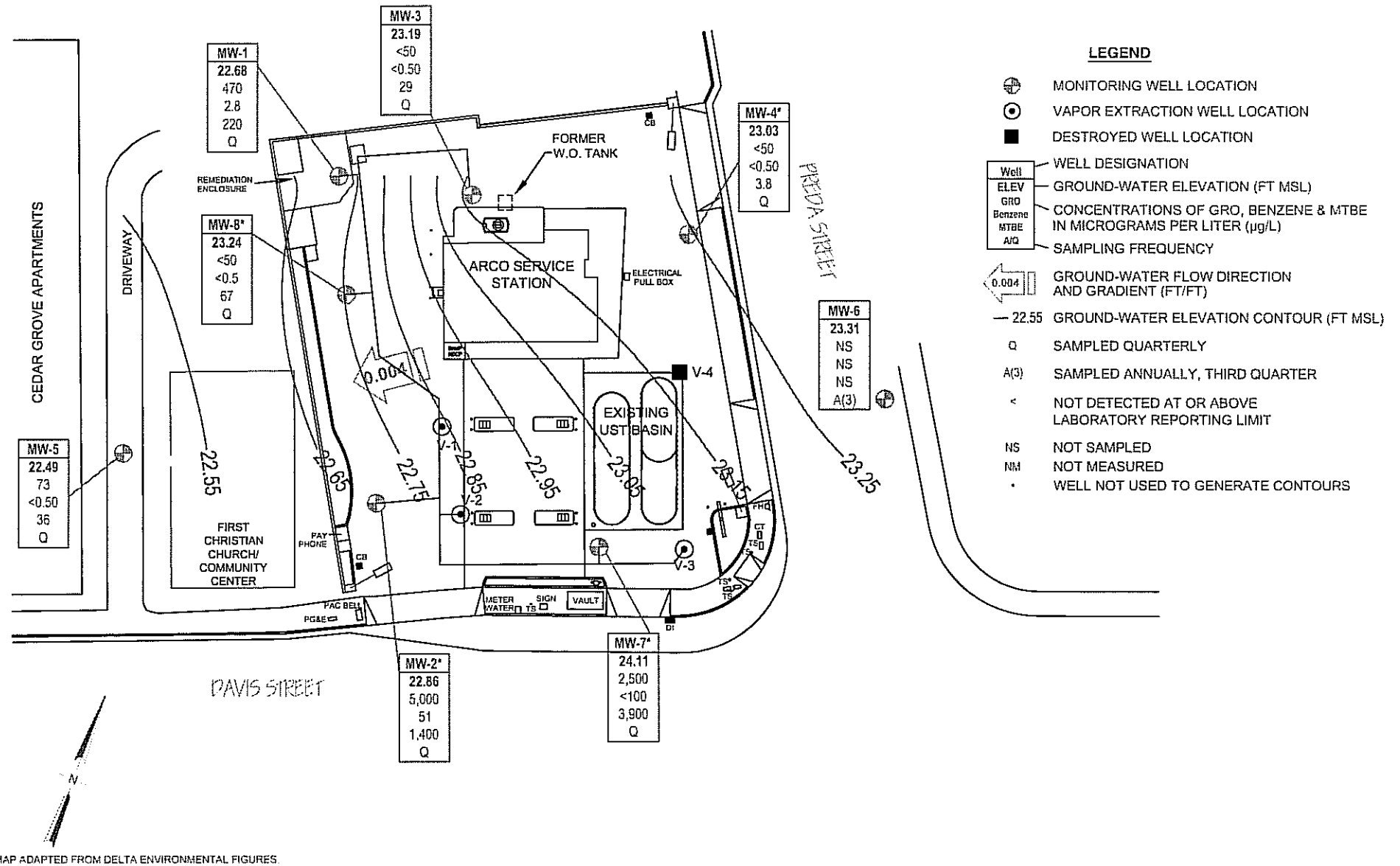
Figure 4. SVE System Cumulative GRO Mass Removed vs. Time

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

Appendix B. GeoTracker Upload Confirmations

Appendix C. Stratus Remediation System Operation and Maintenance Data Packages (Includes Field Data Sheets, Laboratory Report, and Chain-of-Custody Documentation)

Appendix D. Stratus Remediation System Monthly Discharge Reports (Includes Brief Statements Summarizing Operations and Discharge Summary Tables)



LEGEND

- MONITORING WELL LOCATION
- VAPOR EXTRACTION WELL LOCATION
- DESTROYED WELL LOCATION
- Well / ELEV / GRO / Benzene / MTBE / A/Q — WELL DESIGNATION; GROUND-WATER ELEVATION (FT MSL); CONCENTRATIONS OF GRO, BENZENE & MTBE IN MICROGRAMS PER LITER (µg/L); SAMPLING FREQUENCY
- 0.004 — GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 22.55 — GROUND-WATER ELEVATION CONTOUR (FT MSL)
- Q — SAMPLED QUARTERLY
- A(3) — SAMPLED ANNUALLY, THIRD QUARTER
- < — NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT
- NS — NOT SAMPLED
- NM — NOT MEASURED
- • — WELL NOT USED TO GENERATE CONTOURS

NOTE: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

0 40 80
SCALE (ft)

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926
Project No.: 06-08-615 Date: 4/17/07

Station #2111
1156 Davis Street
San Leandro, California

Ground-Water Elevation Contours and Analytical Summary Map
15 January 2007

Drawing
1

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-1															
6/26/2000	--		39.60	12.50	26.00	16.46	23.14	--	--	--	--	--	--	--	--
7/20/2000	--		39.60	12.50	26.00	16.89	22.71	360	110	<0.5	<0.5	2.7	2,100	--	--
9/19/2000	--		39.60	12.50	26.00	17.62	21.98	290	76	<0.5	<0.5	2.3	1,500	--	--
12/21/2000	--		39.60	12.50	26.00	17.39	22.21	257	64	2.89	1.31	4.57	1,080/1,060	--	--
3/13/2001	--		39.60	12.50	26.00	15.70	23.90	<500	52.5	<5.0	<5.0	<5.0	1,430/1,370	--	--
9/18/2001	--		39.60	12.50	26.00	18.24	21.36	<500	64	7.3	<5.0	52	810/1,100	--	--
12/28/2001	--		39.60	12.50	26.00	15.95	23.65	<500	<5.0	<5.0	5	22	1,200/1,100	--	--
3/14/2002	--		39.60	12.50	26.00	16.01	23.59	<50	<0.5	<0.5	<0.5	<0.5	34/40	--	--
4/23/2002	--		39.60	12.50	26.00	15.43	24.17	<50	<0.5	<0.5	<0.5	<0.5	30	--	--
7/17/2002	NP		39.60	12.50	26.00	17.50	22.10	<50	1.2	<0.50	<0.50	<0.50	29	6.9	6.9
10/9/2002	--	c	39.60	12.50	26.00	18.27	21.33	240	4.9	<1.0	4.1	7.0	290	6.5	6.5
1/13/2003	--	c	39.60	12.50	26.00	15.37	24.23	760	34	11	17	56	300	6.8	6.8
04/07/03	--		39.60	12.50	26.00	16.61	22.99	<50	<0.50	<0.50	<0.50	<0.50	22	6.8	6.8
7/9/2003	--		39.60	12.50	26.00	17.27	22.33	<2,500	<25	<25	<25	<25	690	6.7	6.7
02/05/2004	NP	m	39.49	12.50	26.00	16.28	23.21	2,800	31	<25	<25	<25	1,100	0.9	6.5
04/05/2004	NP		39.49	12.50	26.00	16.25	23.24	5,800	46	<25	<25	<25	1,700	1.0	--
07/13/2004	NP		39.49	12.50	26.00	17.57	21.92	<1,000	<10	<10	<10	<10	730	0.5	6.6
11/04/2004	NP		39.49	12.50	26.00	17.78	21.71	560	<5.0	<5.0	<5.0	<5.0	380	0.8	6.5
01/20/2005	NP		39.49	12.50	26.00	15.50	23.99	670	<5.0	<5.0	<5.0	<5.0	570	0.6	6.0
04/11/2005	NP		39.49	12.50	26.00	14.82	24.67	<2,500	<25	<25	<25	25	1,100	0.9	6.9
08/01/2005	NP		39.49	12.50	26.00	16.77	22.72	2,200	33	<10	110	<10	1,400	1.27	7.3
10/21/2005	NP		39.49	12.50	26.00	17.71	21.78	<2,500	<25	<25	<25	<25	970	1.17	6.6
01/18/2006	NP	n	39.49	12.50	26.00	14.70	24.79	300	<2.5	<2.5	<2.5	<2.5	330	1.07	6.6
04/14/2006	NP		39.49	12.50	26.00	13.41	26.08	330	<2.5	<2.5	<2.5	<2.5	310	0.79	6.6
7/19/2006	NP	q	39.49	12.50	26.00	15.86	23.63	<250	<2.5	<2.5	<2.5	<2.5	180	1.2	6.7
10/24/2006	P		39.49	12.50	26.00	17.15	22.34	710	4.2	<2.5	19	13	360	--	6.68
1/15/2007	**P**		**39.49**	**12.50**	**26.00**	**16.81**	**22.68**	**470**	**2.8**	**<2.5**	**14**	**8.4**	**220**	**1.14**	**7.12**
MW-2															
6/26/2000	--	a	37.99	12.0	26.00	14.60	23.39	--	--	--	--	--	--	--	--
7/20/2000	--		37.99	12.0	26.00	15.14	22.85	95,000	2,300	18,000	2,500	19,000	13,000	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-2 Cont.															
9/19/2000	--		37.99	12.0	26.00	15.95	22.04	63,000	1,200	6,300	2,000	14,000	19,000	--	--
12/21/2000	--		37.99	12.0	26.00	15.60	22.39	45,900	--	2,130	1,160	9,460	22,400/24,700	--	--
12/21/00	--	b	37.99	12.0	26.00	--	--	5,010	360	189	213	626	54,300/89,200	--	--
3/13/2001	--		37.99	12.0	26.00	13.77	24.22	3,650	98.1	<5.0	<5.0	6.42	3,590/3,260	--	--
3/13/2001	--	b	37.99	12.0	26.00	--	--	<20,000	525	466	408	1,460	91,700/76,000	--	--
9/18/2001	--	a	37.99	12.0	26.00	16.86	21.13	--	--	--	--	--	--	--	--
12/28/2001	--		37.99	12.0	26.00	14.28	23.71	31,000	1,500	3,800	1,300	4,800	9,300/8,800	--	--
3/14/2002	--		37.99	12.0	26.00	14.15	23.84	1,800	25	43	43	270	990/960	--	--
4/23/2002	--		37.99	12.0	26.00	13.60	24.39	9,000	220	110	470	2,500	8,500	--	--
7/17/2002	NP	a, c	37.99	12.0	26.00	15.75	22.24	74,000	280	290	820	10,000	19,000/0.4	6.8	6.8
10/9/02	NP	g	37.99	12.0	26.00	16.69	21.30	--	--	--	--	--	--	--	--
1/13/03	--	g, h	37.99	12.0	26.00	13.59	24.40	--	--	--	--	--	--	--	--
04/07/03	--	g, h	37.99	12.0	26.00	14.70	23.29	--	--	--	--	--	--	--	--
07/09/03	--	g, h	37.99	12.0	26.00	15.48	22.51	--	--	--	--	--	--	--	--
02/05/2004	NP	g,m	37.86	12.0	26.00	14.43	23.43	--	--	--	--	--	--	--	--
04/05/2004	NP		37.86	12.0	26.00	14.35	23.51	2,300	33	<5.0	<5.0	200	750	0.6	--
07/13/2004	NP		37.86	12.0	26.00	15.79	22.07	59,000	380	<50	2,100	7,900	5,800	0.3	6.4
08/31/2004	--		37.86	12.0	26.00	15.89	21.97	--	--	--	--	--	--	--	--
11/04/2004	--	g, h	37.86	12.0	26.00	15.92	21.94	--	--	--	--	--	--	--	--
01/20/2005	NP	o	37.86	12.0	26.00	13.71	24.15	30,000	450	<50	1,300	3,300	7,000	0.7	6.2
04/11/2005	NP		37.86	12.0	26.00	12.70	25.16	11,000	170	<50	580	630	2,700	0.9	6.8
08/01/2005	NP		37.86	12.0	26.00	14.89	22.97	24,000	170	<50	1,100	2,700	2,700	0.64	6.9
10/21/2005	--	a	37.86	12.0	26.00	16.05	21.81	--	--	--	--	--	--	--	--
01/18/2006	NP	a	37.86	12.0	26.00	12.81	25.05	21,000	71	<50	470	1,400	1,600	1.18	6.6
04/14/2006	NP	a	37.86	12.0	26.00	12.24	25.62	7,800	78	<50	94	130	2,100	0.81	6.7
7/19/2006	NP	q	37.86	12.0	26.00	14.00	23.86	4,900	31	<10	98	75	930	1.1	6.5
10/24/2006	--	g	37.86	12.0	26.00	15.38	22.48	--	--	--	--	--	--	--	6.45
1/15/2007	**P**		**37.86**	**12.0**	**26.00**	**15.00**	**22.86**	**5,000**	**51**	**<10**	**49**	**34**	**1,400**	**1.85**	**7.13**
MW-3															
6/26/2000	--		39.32	12.00	26.00	15.96	23.36	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-3 Cont.															
7/20/2000	--		39.32	12.00	26.00	16.42	22.90	<50	<0.5	<0.5	<0.5	<1.0	130	--	--
9/19/2000	--		39.32	12.00	26.00	17.18	22.14	190	17	<0.5	1.4	2.4	160	--	--
12/21/2000	--		39.32	12.00	26.00	16.97	22.35	187	17.8	<0.5	2.47	2.5	143/125	--	--
3/13/2001	--		39.32	12.00	26.00	15.17	24.15	72.4	2.83	<0.5	<0.5	<0.5	126/122	--	--
9/18/2001	--		39.32	12.00	26.00	17.81	21.51	140	6.4	<0.5	3.5	1.6	110/75	--	--
12/28/2001	--		39.32	12.00	26.00	15.44	23.88	130	5.9	<0.5	0.99	0.55	90/63	--	--
3/14/2002	--		39.32	12.00	26.00	15.50	23.82	<50	<0.5	<0.5	<0.5	<0.5	100/88	--	--
4/23/2002	--		39.32	12.00	26.00	14.96	24.36	<50	<0.5	<0.5	<0.5	<0.5	77	--	--
7/17/2002	NP		39.32	12.00	26.00	17.09	22.23	<50	<0.50	<0.50	<0.50	<0.50	47	7.2	7.2
10/9/2002	NP		39.32	12.00	26.00	17.87	21.45	<50	<0.50	<0.50	<0.50	<0.50	26/29	7.2	7.2
1/13/2003	NP	l	39.32	12.00	26.00	14.78	24.54	<50	<0.50	<0.50	<0.50	<0.50	59	6.8	6.8
04/07/03	NP		39.32	12.00	26.00	16.15	23.17	88	<0.50	<0.50	<0.50	<0.50	75	7.0	7.0
7/9/2003	--		39.32	12.00	26.00	16.79	22.53	100	<0.50	<0.50	<0.50	<0.50	52	6.5	6.5
02/05/2004	NP	m	39.19	12.00	26.00	15.66	23.53	240	<0.50	<0.50	<0.50	<0.50	37	0.5	--
04/05/2004	NP		39.19	12.00	26.00	15.78	23.41	140	<0.50	<0.50	<0.50	0.60	53	1.0	6.6
07/13/2004	NP		39.19	12.00	26.00	17.20	21.99	120	<0.50	<0.50	<0.50	<0.50	35	0.8	6.7
11/04/2004	NP		39.19	12.00	26.00	17.32	21.87	160	<0.50	<0.50	<0.50	<0.50	25	0.8	6.5
01/20/2005	NP		39.19	12.00	26.00	15.07	24.12	160	<0.50	<0.50	<0.50	<0.50	27	0.6	6.1
04/11/2005	NP		39.19	12.00	26.00	14.24	24.95	<50	<0.50	<0.50	<0.50	<0.50	21	0.6	6.1
08/01/2005	NP		39.19	12.00	26.00	16.29	22.90	<50	<0.50	<0.50	<0.50	<0.50	23	1.04	7.2
10/21/2005	NP		39.19	12.00	26.00	17.41	21.78	88	<0.50	<0.50	<0.50	<0.50	19	1.9	6.6
01/18/2006	NP		39.19	12.00	26.00	13.80	25.39	73	<0.50	<0.50	<0.50	<0.50	13	1.13	6.6
04/14/2006	NP		39.19	12.00	26.00	12.55	26.64	<50	<0.50	<0.50	<0.50	<0.50	6.7	0.71	6.6
7/19/2006	NP	q	39.19	12.00	26.00	15.04	24.15	<50	<0.50	<0.50	<0.50	<0.50	11	2.0	6.6
10/24/2006	P		39.19	12.00	26.00	16.45	22.74	<50	<0.50	<0.50	<0.50	<0.50	33	--	6.77
1/15/2007	**P**		**39.19**	**12.00**	**26.00**	**16.00**	**23.19**	**<50**	**<0.50**	**<0.50**	**0.61**	**<0.50**	**29**	**1.11**	**7.03**
MW-4															
6/26/2000	--		38.10	10.0	24.00	14.59	23.51	--	--	--	--	--	--	--	--
7/20/2000	--		38.10	10.0	24.00	15.04	23.06	97	7.9	<0.5	<0.5	1.1	51	--	--
9/19/2000	--		38.10	10.0	24.00	15.83	22.27	110	7	<0.5	<0.5	<1.0	60	--	--

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Station #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-4 Cont.															
12/21/2000	--		38.10	10.0	24.00	15.59	22.51	120	5.6	<0.5	1.72	<0.5	46.3/48.6	--	--
3/13/2001	--		38.10	10.0	24.00	13.73	24.37	76	0.796	<0.5	<0.5	<0.5	53.7/50	--	--
9/18/2001	--		38.10	10.0	24.00	16.50	21.60	<50	<0.5	<0.5	<0.5	<0.5	25/26	--	--
12/28/2001	--		38.10	10.0	24.00	14.03	24.07	<50	<0.5	<0.5	<0.5	<0.5	15/11	--	--
3/14/2002	--		38.10	10.0	24.00	14.10	24.00	<50	<0.5	<0.5	<0.5	<0.5	31/28	--	--
4/23/2002	--		38.10	10.0	24.00	13.57	24.53	<50	2.8	<0.5	<0.5	<0.5	42	--	--
7/17/2002	NP		38.10	10.0	24.00	15.76	22.34	<50	<0.50	<0.50	<0.50	<0.50	16	7.1	7.1
10/9/2002	NP		38.10	10.0	24.00	16.59	21.51	<50	2.2	<0.50	<0.50	<0.50	20/23	7.1	7.1
1/13/2003	NP	d	38.10	10.0	24.00	13.43	24.67	52	<0.50	1.6	<0.50	<0.50	22	6.6	6.6
04/07/03	NP		38.10	10.0	24.00	14.74	23.36	65	<0.50	<0.50	<0.50	<0.50	24	6.6	6.6
7/9/2003	--		38.10	10.0	24.00	15.44	22.66	120	<0.50	<0.50	<0.50	<0.50	34	6.6	6.6
02/05/2004	NP	m	37.99	10.0	24.00	14.39	23.60	120	<0.50	<0.50	<0.50	<0.50	22	0.5	6.6
04/05/2004	NP		37.99	10.0	24.00	14.37	23.62	110	<0.50	<0.50	<0.50	<0.50	27	1.1	6.5
07/13/2004	NP		37.99	10.0	24.00	15.96	22.03	77	<0.50	<0.50	<0.50	<0.50	27	0.6	6.6
11/04/2004	NP		37.99	10.0	24.00	16.02	21.97	<50	<0.50	<0.50	<0.50	<0.50	19	1.2	6.7
01/20/2005	NP		37.99	10.0	24.00	13.72	24.27	65	<0.50	<0.50	<0.50	<0.50	18	0.6	6.1
04/11/2005	NP		37.99	10.0	24.00	12.80	25.19	51	<0.50	<0.50	<0.50	<0.50	14	0.7	6.2
08/01/2005	NP		37.99	10.0	24.00	14.88	23.11	<50	<0.50	<0.50	<0.50	<0.50	18	1.46	7.3
10/21/2005	NP		37.99	10.0	24.00	15.01	22.98	<50	<0.50	<0.50	<0.50	<0.50	15	1.24	7.6
01/18/2006	NP		37.99	10.0	24.00	12.92	25.07	<50	<0.50	<0.50	<0.50	<0.50	8.9	0.77	6.5
04/14/2006	NP		37.99	10.0	24.00	11.41	26.58	<50	<0.50	<0.50	<0.50	<0.50	4.2	0.84	6.6
7/19/2006	NP		37.99	10.0	24.00	13.86	24.13	<50	<0.50	<0.50	<0.50	<0.50	3.4	1.0	6.7
10/24/2006	P		37.99	10.0	24.00	15.35	22.64	<50	<0.50	<0.50	2.0	<0.50	3.5	--	6.90
1/15/2007	**P**		**37.99**	**10.0**	**24.00**	**14.96**	**23.03**	**<50**	**<0.50**	**<0.50**	**0.96**	**<0.50**	**3.8**	**--**	**7.04**
MW-5															
6/26/2000	--		37.21	9.50	23.50	14.27	22.94	--	--	--	--	--	--	--	--
7/20/2000	--		37.21	9.50	23.50	14.69	22.52	55	<0.5	<0.5	<0.5	<1.0	14,000	--	--
9/19/2000	--		37.21	9.50	23.50	15.36	21.85	54	<0.5	<0.5	<0.5	<1.0	13,000	--	--
12/21/2000	--		37.21	9.50	23.50	15.15	22.06	72.9	2.51	<0.5	<0.5	0.961	19,200/21,200	--	--
3/13/2001	--		37.21	9.50	23.50	13.50	23.71	<500	<5	<5	<5	<5	15,900/20,000	--	--

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Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-5 Cont.															
9/18/2001	--		37.21	9.50	23.50	15.94	21.27	<10,000	<100	<100	<100	<1,000	22,000/20,000	--	--
12/28/2001	--		37.21	9.50	23.50	13.45	23.76	<10,000	<100	<100	<100	<100	10,000/10,000	--	--
3/14/2002	--		37.21	9.50	23.50	13.82	23.39	<5,000	<50	<50	<50	<50	7,100/7,700	--	--
4/23/2002	--		37.21	9.50	23.50	13.25	23.96	<5,000	<50	<50	<50	<50	8,900	--	--
7/17/2002	NP	d	37.21	9.50	23.50	15.27	21.94	7,900	<50	<50	<50	<50	13,000	7.5	7.5
10/9/2002	NP	e	37.21	9.50	23.50	16.02	21.19	2,400	<20	<20	<20	<20	7,300/7,500	6.7	6.7
1/13/2003	NP	e, k, j	37.21	9.50	23.50	13.20	24.01	6,400	<50	<50	<50	<50	8,900	6.8	6.8
04/07/03	NP		37.21	9.50	23.50	14.42	22.79	<10,000	<100	<100	<100	<100	3,700	6.8	6.8
7/9/2003	--		37.21	9.50	23.50	15.01	22.20	11,000	<50	<50	<50	<50	6,500	6.9	6.9
02/05/2004	NP	m	37.12	9.50	23.50	14.10	23.02	8,100	<50	<50	<50	<50	7,900	1.5	--
04/05/2004	NP		37.12	9.50	23.50	14.14	22.98	4,000	<25	<25	<25	<25	2,000	1.0	6.6
07/13/2004	NP		37.12	9.50	23.50	15.37	21.75	<5,000	<50	<50	<50	<50	4,000	0.8	6.7
11/04/2004	NP		37.12	9.50	23.50	15.53	21.59	7,400	<50	<50	<50	<50	6,300	3.5	6.7
01/20/2005	NP	n	37.12	9.50	23.50	13.51	23.61	6,500	<50	<50	<50	<50	6,900	0.7	6.5
04/11/2005	NP		37.12	9.50	23.50	12.75	24.37	<5,000	<50	<50	<50	<50	2,600	0.5	7.0
08/01/2005	NP		37.12	9.50	23.50	14.59	22.53	110	<1.0	<1.0	<1.0	<1.0	130	1.36	7.5
10/21/2005	NP		37.12	9.50	23.50	15.57	21.55	<250	<2.5	<2.5	<2.5	<2.5	86	1.53	6.8
01/18/2006	NP		37.12	9.50	23.50	12.60	24.52	<250	<2.5	<2.5	<2.5	<2.5	100	1.2	6.7
04/14/2006	NP		37.12	9.50	23.50	11.74	25.38	310	<2.5	<2.5	<2.5	<2.5	240	0.93	6.6
7/19/2006	NP		37.12	9.50	23.50	13.78	23.34	<50	<2.5	<2.5	<2.5	<2.5	84	1.2	6.6
10/24/2006	P		37.12	9.50	23.50	14.95	22.17	61	<0.50	<0.50	<0.50	<0.50	17	--	6.69
1/15/2007	**P**		**37.12**	**9.50**	**23.50**	**14.63**	**22.49**	**73**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**36**	**2.8**	**6.73**
MW-6															
6/26/2000	--		37.11	10.00	25.00	13.46	23.65	--	--	--	--	--	--	--	--
7/20/2000	--		37.11	10.00	25.00	13.94	23.17	<50	<0.5	<0.5	<0.5	<1.0	<3.0	--	--
9/19/2000	--		37.11	10.00	25.00	14.41	22.70	<50	<0.5	<0.5	<0.5	<1.0	<3.0	--	--
12/21/2000	--		37.11	10.00	25.00	14.53	22.58	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/13/2001	--		37.11	10.00	25.00	12.67	24.44	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
9/18/2001	--		37.11	10.00	25.00	15.42	21.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0	--	--
12/28/2001	--		37.11	10.00	25.00	12.96	24.15	<50	<0.5	<0.5	<0.5	<0.5	12/<0.5	--	--

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								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-6 Cont.															
3/14/2002	--		37.11	10.00	25.00	12.98	24.13	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
4/23/2002	--		37.11	10.00	25.00	12.44	24.67	<50	<0.5	<0.5	<0.5	<0.5	3.1	--	--
7/17/2002	NP		37.11	10.00	25.00	14.65	22.46	<50	<0.50	<0.50	<0.50	<0.50	<2.5	7.3	7.3
10/9/2002	NP		37.11	10.00	25.00	15.51	21.60	<50	<0.50	<0.50	<0.50	<0.50	<2.5	7.1	7.1
1/13/2003	NP		37.11	10.00	25.00	12.27	24.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	6.8	6.8
04/07/03	NP		37.11	10.00	25.00	13.61	23.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.6	6.6
7/9/2003	--		37.11	10.00	25.00	14.34	22.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	7	7.0
02/05/2004	--	m	37.11	10.00	25.00	13.38	23.73	--	--	--	--	--	--	--	--
04/05/2004	--		37.11	10.00	25.00	13.31	23.80	--	--	--	--	--	--	--	--
07/13/2004	NP		37.11	10.00	25.00	14.65	22.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	6.8
11/04/2004	--		37.11	10.00	25.00	14.95	22.16	--	--	--	--	--	--	--	--
01/20/2005	--		37.11	10.00	25.00	12.57	24.54	--	--	--	--	--	--	--	--
04/11/2005	--		37.11	10.00	25.00	12.05	25.06	--	--	--	--	--	--	--	--
08/01/2005	NP		37.11	10.00	25.00	13.79	23.32	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.15	7.6
10/21/2005	--		37.11	10.00	25.00	14.60	22.51	--	--	--	--	--	--	--	--
01/18/2006	--		37.11	10.00	25.00	11.80	25.31	--	--	--	--	--	--	--	--
04/14/2006	--		37.11	10.00	25.00	10.92	26.19	--	--	--	--	--	--	--	--
7/19/2006	NP		37.11	10.00	25.00	12.92	24.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	6.9
10/24/2006	--		37.11	10.00	25.00	14.23	22.88	--	--	--	--	--	--	--	--
1/15/2007	**--**		**37.11**	**10.00**	**25.00**	**13.80**	**23.31**	--	--	--	--	--	--	--	--
MW-7															
6/26/2000	--		38.68	12.0	27.00	14.34	24.34	--	--	--	--	--	--	--	--
7/20/2000	--		38.68	12.0	27.00	15.26	23.42	14,000	5.4	<0.5	2.8	5.9	71,000	--	--
9/19/2000	--		38.68	12.0	27.00	15.70	22.98	8,400	420	38	470	220	5,600	--	--
12/21/2000	--		38.68	12.0	27.00	16.02	22.66	--	--	--	--	--	--	--	--
3/13/2001	--		38.68	12.0	27.00	14.18	24.50	<2,000	154	63	46.3	127	75,000/160,00	--	--
9/18/2001	--		38.68	12.0	27.00	17.02	21.66	<100,000	1,900	<1,000	<1,000	2,800	90,000/370,00	--	--
12/28/2001	--		38.68	12.0	27.00	14.81	23.87	<20,000	<200	<200	<200	<200	84,000/72,000	--	--
3/14/2002	--		38.68	12.0	27.00	14.60	24.08	<50,000	<500	<500	<500	<500	85,000/85,000	--	--
4/23/2002	--		38.68	12.0	27.00	13.94	24.74	<20,000	530	200	220	800	67,000	--	--

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								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-7 Cont.															
7/17/2002	NP	d	38.68	12.0	27.00	16.27	22.41	26,000	720	<250	<250	860	120,000	6.9	6.9
10/9/2002	NP	d	38.68	12.0	27.00	17.16	21.52	110,000	1,500	4,400	820	5,400	97,000/120,000	6.8	6.8
1/13/2003	NP	f	38.68	12.0	27.00	13.82	24.86	<50,000	<500	<500	<500	2,200	33,000	6.6	6.6
04/07/03	NP		38.68	12.0	27.00	14.52	24.16	<2,500	30	<25	<25	<25	710	7.0	7.0
7/9/2003	--		38.68	12.0	27.00	15.97	22.71	66,000	<500	<500	<500	<500	36,000	6.7	6.7
02/05/2004	NP	m	38.54	12.0	27.00	14.75	23.79	55,000	300	<250	<250	<250	34,000	1.0	6.7
04/05/2004	NP		38.54	12.0	27.00	14.63	23.91	62,000	520	<250	<250	380	37,000	1.0	6.7
07/13/2004	NP		38.54	12.0	27.00	16.31	22.23	<100,000	<1,000	<1,000	<1,000	<1,000	56,000	0.7	6.7
11/04/2004	--		38.54	12.0	27.00	16.46	22.08	70,000	<500	<500	<500	<500	71,000	2.0	6.6
01/20/2005	NP	n	38.54	12.0	27.00	14.05	24.49	34,000	<250	<250	<250	<250	36,000	0.6	6.3
04/11/2005	NP		38.54	12.0	27.00	12.55	25.99	<2,500	46	<25	<25	<25	1,200	0.7	6.8
08/01/2005	NP		38.54	12.0	27.00	15.11	23.43	<25,000	<250	<250	<250	<250	4,800	1.78	7.3
10/21/2005	NP	p	38.54	12.0	27.00	15.65	22.89	14,000	350	<100	<100	110	12,000	1.41	6.6
01/18/2006	NP		38.54	12.0	27.00	12.60	25.94	16,000	310	<100	<100	110	13,000	0.87	6.7
04/14/2006	NP		38.54	12.0	27.00	12.09	26.45	<10,000	<100	<100	<100	<100	4,700	0.88	6.9
7/19/2006	NP	q	38.54	12.0	27.00	13.58	24.96	1,300	23	<10	18	26	1,600	1.1	6.8
10/24/2006	P		38.54	12.0	27.00	15.13	23.41	6,800	100	<5.0	16	15	14,000	--	6.93
1/15/2007	**P**	**n**	**38.54**	**12.0**	**27.00**	**14.43**	**24.11**	**2,500**	**<100**	**<100**	**<100**	**<100**	**3,900**	**2.12**	**7.44**
MW-8															
02/05/2004	P	m	38.91	--	--	15.61	23.30	3,600	<25	<25	<25	<25	1,900	6.9	6.8
04/05/2004	P		38.91	--	--	15.64	23.27	1,900	<10	<10	<10	<10	1,200	3.2	6.7
07/13/2004	P		38.91	--	--	17.22	21.69	<1,000	<10	<10	<10	<10	760	1.6	6.7
11/04/2004	P		38.91	--	--	17.19	21.72	960	<5.0	<5.0	<5.0	<5.0	820	1.8	6.7
01/20/2005	P		38.91	--	--	15.25	23.66	<2,500	<25	<25	<25	<25	1,400	1.5	6.4
04/11/2005	P		38.91	--	--	14.17	24.74	700	<5.0	<5.0	<5.0	<5.0	610	1.1	7.1
08/01/2005	P		38.91	--	--	16.10	22.81	<1,000	<10	<10	<10	<10	900	2.58	7.7
10/21/2005	P	n	38.91	--	--	17.18	21.73	530	<5.0	<5.0	<5.0	<5.0	490	1.4	6.7
01/18/2006	P		38.91	--	--	13.60	25.31	<500	<5.0	<5.0	<5.0	<5.0	500	2.28	6.6
04/14/2006	P		38.91	--	--	12.36	26.55	<500	<5.0	<5.0	<5.0	<5.0	300	1.97	6.6
7/19/2006	P		38.91	--	--	14.75	24.16	4,500	<25	<25	<25	<25	4,200	1.2	6.6

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-8 Cont.															
10/24/2006	--	S	--	--	--	--	--	--	--	--	--	--	--	--	--
1/15/2007	P		38.91	--	--	15.67	23.24	<50	<0.50	<0.50	<0.50	<0.50	67	1.35	6.68

ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
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
TOC = Top of casing elevation in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter

FOOTNOTES:
a = Product sheen noted.
b = Well was sampled after batch extraction event.
c = Chromatogram Pattern: Gasoline C6-C10 for GRO/TPH-g.
d = Hydrocarbon pattern was present in the requested fuel quantitation range but did not resemble the pattern of the requested fuel for GRO/TPH-g.
e = Discrete peak @C6-C7 for GRO/TPH-g.
f = This sample was analyzed beyond the EPA recommended holding time for TPH-g, benzene, toluene, ethylbenzene, and total xylenes (BTEX), and MTBE. The results may still be useful for their intended purpose.
g = Well not sampled due to the detection of free product (FP).
h = GWE adjusted for FP: (thickness of FP x 0.8) + measured GWE.
j = The closing calibration for benzene and total xylenes was outside acceptance limits by 1%. This should be considered in evaluating the result. The average % difference for all analytes met the 15% requirement and the QC suggested that calibration linearity was not a factor.
k = The closing calibration was outside acceptance limits by 6%. This should be considered in evaluating the result. The average % difference for all analytes met the 15% requirement and the QC suggested that calibration linearity was not a factor.
l = Toluene and MTBE were not confirmed using a secondary column in accordance to client contract.
m = TOC elevations re-surveyed to NAVD '88 on February 23, 2004.
n = Hydrocarbon result for GRO partly due to indiv. peak(s) in quantitative range.
o = Light to moderate sheen.
p = Result for MTBE partly due to individual peak(s) in quant. range.
q = Gauged with tubing in well.
r = Calib. verif. is within method limits but outside contract limits.
s = well inaccessible

NOTES:
Beginning with the second quarter 2003 sampling event (04/07/03), TPH-g, BTEX, and MTBE analyzed by EPA method 8260B. Prior to 04/07/03, TPH-g was analyzed by EPA method 8015 modified and MTBE was analyzed by EPA methods 8020/ 8260B.

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

Values for DO and pH were obtained through 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 #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
4/7/2003	<100	<20	1,100	<0.50	<0.50	<0.50	--	--	
7/9/2003	<5,000	<1,000	690	<25	<25	<25	--	--	
02/05/2004	<5,000	<1,000	1,100	<25	<25	32	<25	<25	
04/05/2004	<5,000	<1,000	1,700	<25	<25	38	<25	<25	a
07/13/2004	<2,000	780	730	<10	<10	19	<10	<10	a
11/04/2004	<1,000	<200	380	<5.0	<5.0	12	<5.0	<5.0	
01/20/2005	<1,000	<200	570	<5.0	<5.0	17	<5.0	<5.0	a
04/11/2005	<5,000	<1,000	1,100	<25	<25	34	<25	<25	
08/01/2005	<2,000	<400	1,400	<10	<10	40	<10	<10	
10/21/2005	<5,000	<1,000	970	<25	<25	<25	<25	<25	
01/18/2006	<1,500	<100	330	<2.5	<2.5	9.7	<2.5	<2.5	
04/14/2006	<1,500	<100	310	<2.5	<2.5	9.3	<2.5	<2.5	
7/19/2006	<1,500	<100	180	<2.5	<2.5	3.2	<2.5	<2.5	
10/24/2006	<1,500	<100	360	<2.5	<2.5	10	<2.5	<2.5	
1/15/2007	**<1,500**	**<100**	**220**	**<2.5**	**<2.5**	**6.8**	**<2.5**	**<2.5**	
MW-2									
04/05/2004	<1,000	<200	750	<5.0	<5.0	<5.0	<5.0	<5.0	
07/13/2004	<10,000	12,000	5,800	<50	<50	<50	<50	<50	a
08/31/2004	--	--	--	--	--	--	--	--	a
01/20/2005	<10,000	<2,000	7,000	<50	<50	<50	<50	<50	a
04/11/2005	<10,000	<2,000	2,700	<50	<50	<50	<50	<50	
08/01/2005	<10,000	<2,000	2,700	<50	<50	<50	<50	<50	
01/18/2006	<30,000	<2,000	1,600	<50	<50	<50	<50	<50	
04/14/2006	<30,000	<2,000	2,100	<50	<50	<50	<50	<50	
7/19/2006	<6,000	<400	930	<10	<10	<10	<10	<10	
1/15/2007	**<6,000**	**1,900**	**1,400**	**<10**	**<10**	**<10**	**<10**	**<10**	
MW-3									
4/7/2003	<100	<20	75	<0.50	<0.50	6.5	--	--	
7/9/2003	<100	<20	52	<0.50	<0.50	4.2	--	--	
02/05/2004	<100	<20	37	<0.50	<0.50	3.1	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data

Station #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
04/05/2004	<100	<20	53	<0.50	<0.50	3.7	<0.50	<0.50	a
07/13/2004	<100	44	35	<0.50	<0.50	3.2	<0.50	<0.50	
11/04/2004	<100	<20	25	<0.50	<0.50	2.2	<0.50	<0.50	
01/20/2005	<100	<20	27	<0.50	<0.50	2.6	<0.50	<0.50	
04/11/2005	<100	<20	21	<0.50	<0.50	2.0	<0.50	<0.50	
08/01/2005	<100	<20	23	<0.50	<0.50	1.9	<0.50	<0.50	
10/21/2005	<100	<20	19	<0.50	<0.50	2.0	<0.50	<0.50	
01/18/2006	<300	<20	13	<0.50	<0.50	1.3	<0.50	<0.50	
04/14/2006	<300	<20	6.7	<0.50	<0.50	0.61	<0.50	<0.50	
7/19/2006	<300	<20	11	<0.50	<0.50	0.72	<0.50	<0.50	r
10/24/2006	<300	<20	33	<0.50	<0.50	2.8	<0.50	<0.50	
1/15/2007	**<300**	**<20**	**29**	**<0.50**	**<0.50**	**2.9**	**<0.50**	**<0.50**	
MW-4									
4/7/2003	<100	<20	24	<0.50	<0.50	7.3	--	--	
7/9/2003	<100	<20	34	<0.50	<0.50	9.8	--	--	
02/05/2004	<100	<20	22	<0.50	<0.50	6.2	<0.50	<0.50	
04/05/2004	<100	<20	27	<0.50	<0.50	7.2	<0.50	<0.50	a
07/13/2004	<100	26	27	<0.50	<0.50	7.4	<0.50	<0.50	a
11/04/2004	<100	<20	19	<0.50	<0.50	5.1	<0.50	<0.50	
01/20/2005	<100	<20	18	<0.50	<0.50	5.2	<0.50	<0.50	
04/11/2005	<100	<20	14	<0.50	<0.50	4.0	<0.50	<0.50	
08/01/2005	<100	<20	18	<0.50	<0.50	3.9	<0.50	<0.50	
10/21/2005	<100	<20	15	<0.50	<0.50	4.6	<0.50	<0.50	
01/18/2006	<300	<20	8.9	<0.50	<0.50	2.5	<0.50	<0.50	
04/14/2006	<300	<20	4.2	<0.50	<0.50	1.3	<0.50	<0.50	
7/19/2006	<300	<20	3.4	<0.50	<0.50	0.69	<0.50	<0.50	r
10/24/2006	<300	<20	3.5	<0.50	<0.50	0.91	<0.50	<0.50	
1/15/2007	<300	<20	3.8	<0.50	<0.50	0.98	<0.50	<0.50	
MW-5									
4/7/2003	<20,000	<4,000	3,700	<100	<100	<100	--	--	

Table 2. Summary of Fuel Additives Analytical Data

Station #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-5 Cont.									
7/9/2003	<10,000	<2,000	6,500	<50	<50	<50	--	--	
02/05/2004	<10,000	<2,000	7,900	<50	<50	<50	<50	<50	a
04/05/2004	<5,000	<1,000	2,000	<25	<25	<25	<25	<25	a
07/13/2004	<10,000	3,200	4,000	<50	<50	<50	<50	<50	a
11/04/2004	<10,000	<2,000	6,300	<50	<50	<50	<50	<50	
01/20/2005	<10,000	<2,000	6,900	<50	<50	<50	<50	<50	a
04/11/2005	<10,000	3,600	2,600	<50	<50	<50	<50	<50	
08/01/2005	<200	1,600	130	<1.0	<1.0	<1.0	<1.0	<1.0	
10/21/2005	<500	1,400	86	<2.5	<2.5	<2.5	<2.5	<2.5	
01/18/2006	<1,500	2,200	100	<2.5	<2.5	<2.5	<2.5	<2.5	
04/14/2006	<1,500	2,100	240	<2.5	<2.5	<2.5	<2.5	<2.5	
7/19/2006	<1,500	2,800	84	<2.5	<2.5	<2.5	<2.5	<2.5	r
10/24/2006	<300	1,200	17	<0.50	<0.50	<0.50	<0.50	<0.50	a
1/15/2007	**<300**	**990**	**36**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-6									
4/7/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
7/9/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
07/13/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
08/01/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/19/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	r
MW-7									
4/7/2003	<5,000	<1,000	710	<25	<25	<25	--	--	
7/9/2003	<100,000	<20,000	36,000	<500	<500	<500	--	--	
02/05/2004	<50,000	<10,000	34,000	<250	<250	<250	<250	<250	
04/05/2004	<50,000	<10,000	37,000	<250	<250	<250	<250	<250	
07/13/2004	<200,000	<40,000	56,000	<1,000	<1,000	1,300	<1,000	<1,000	
11/04/2004	<100,000	<20,000	71,000	<500	<500	<500	<500	<500	
01/20/2005	<50,000	<10,000	36,000	<250	<250	<250	<250	<250	a
04/11/2005	<5,000	<1,000	1,200	<25	<25	<25	<25	<25	
08/01/2005	<50,000	<10,000	4,800	<250	<250	<250	<250	<250	

Table 2. Summary of Fuel Additives Analytical Data

Station #2111, 1156 Davis St, San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-7 Cont.									
10/21/2005	<20,000	24,000	12,000	<100	<100	<100	<100	<100	
01/18/2006	<60,000	15,000	13,000	<100	<100	<100	<100	<100	
04/14/2006	<60,000	<4,000	4,700	<100	<100	<100	<100	<100	
7/19/2006	<6,000	720	1,600	<10	<10	<10	<10	<10	
10/24/2006	<3,000	10,000	14,000	<5.0	<5.0	31	<5.0	<5.0	a
1/15/2007	**<60,000**	**9,300**	**3,900**	**<100**	**<100**	**<100**	**<100**	**<100**	
MW-8									
02/05/2004	<5,000	<1,000	1,900	<25	<25	<25	<25	<25	
04/05/2004	<2,000	<400	1,200	<10	<10	12	<10	<10	a
07/13/2004	<2,000	770	760	<10	<10	<10	<10	<10	a
11/04/2004	<1,000	<200	820	<5.0	<5.0	9.6	<5.0	<5.0	
01/20/2005	<5,000	<1,000	1,400	<25	<25	<25	<25	<25	a
04/11/2005	<1,000	<200	610	<5.0	<5.0	8.1	<5.0	<5.0	
08/01/2005	<2,000	<400	900	<10	<10	<10	<10	<10	
10/21/2005	<1,000	<200	490	<5.0	<5.0	<5.0	<5.0	<5.0	
01/18/2006	<3,000	<200	500	<5.0	<5.0	5.2	<5.0	<5.0	
04/14/2006	<3,000	<200	300	<5.0	<5.0	<5.0	<5.0	<5.0	
7/19/2006	<15,000	<1,000	4,200	<25	<25	45	<25	<25	
1/15/2007	**<300**	**52**	**67**	**<0.50**	**<0.50**	**0.88**	**<0.50**	**<0.50**	

ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
1,2-DCA = 1,2-Dichloroethane
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
µg/L = Micrograms per Liter

FOOTNOTES:
a = The continuing calibration verification for ethanol was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be considered useful for its intended purpose.

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 #2111, 1156 Davis St, San Leandro, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
7/20/2000	West-Northwest	0.006
9/19/2000	West-Northwest	0.004
12/21/2000	West-Northwest	0.004
3/13/2001	West-Northwest	0.005
5/30/2001	West-Northwest	0.004
9/18/2001	West-Northwest	0.003
12/28/2001	West-Northwest	0.003
3/14/2002	West	0.004
4/23/2002	West	0.006
7/17/2002	West	0.003
10/9/2002	West	0.002
1/13/2003	Southwest	0.0043
4/7/2003	West-Northwest	0.009 to 0.011
7/9/2003	West-Northwest	0.004
10/1/2003	West	0.002
2/5/2004	West	0.004
4/5/2004	West-Southwest	0.004
7/13/2004	West-Southwest	0.003
11/4/2004	West	0.003
1/20/2005	West	0.009
4/11/2005	North to West	0.009 to 0.01
8/1/2005	West to Northwest	0.006 to 0.004
10/21/2005	West	0.008
1/18/2006	North and West	0.01
4/14/2006	South	0.008
7/19/2006	Northwest to Southwest	0.004 to 0.008
10/24/2006	West	0.003
1/15/2007	**Southwest**	**0.004**

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

Table 4. Approximate Cumulative Floating Product Recovered
Station #2111, 1156 Davis Street, San Leandro, CA

Well Designation	Product Recovery Field Date	Floating Product Thickness (feet)	Floating Product Recovered (gallons)
MW-2	06/28/99	0.45	0.30
MW-2	06/30/99	0.015	0.01
MW-2	07/07/99	0.06	0.04
MW-2	07/23/99	0.008	0.01
MW-2	08/25/99	0.02	0.01
MW-2	09/21/99	0.01	0.01
MW-2	11/10/99	ND	0.00
MW-2	02/09/00	ND	0.00
MW-2	04/23/02	ND	0.00
MW-2	07/17/02	Sheen	0.00
MW-2	10/9/2002 (1)	NA	0.00
MW-2	01/13/03	0.26	0.13
MW-2	02/14/03	ND	0.00
MW-2	03/24/03	ND	0.00
MW-2	04/07/03	0.05	0.00
MW-2	05/23/03	ND	0.00
MW-2	06/24/03	0.03	0.01
MW-2	07/09/03	0.07	0.03
MW-2	07/31/03	0.05	0.03
MW-2	09/04/03	0.02	0.01
MW-2	10/01/03	0.07	0.02
MW-2	11/12/03	0.59	0.36
MW-2	12/11/03	0.05	0.07
MW-2	02/05/04	0.13	0.02
MW-2	02/16/04	0.02	0.01
MW-2	03/11/04	ND	0.00
MW-2	03/30/04	ND	0.00
MW-2	04/05/04	ND	0.00
MW-2	07/13/04	ND	0.00
MW-2	08/31/04	ND	0.00
MW-2	09/07/04	ND	0.00
MW-2	11/04/04	0.22	0.14
MW-2	11/29/04	0.02	0.05
MW-2	12/15/04	0.24	0.16
MW-2	01/20/05	ND	0.00
MW-2	02/04/05	Sheen	0.00
MW-2	03/23/05	Sheen	0.00
MW-2	04/11/05	ND	0.00
MW-2	05/12/05	ND	0.00
MW-2	06/20/05	ND	0.00
MW-2	08/01/05	ND	0.00
MW-2	08/24/05	ND	0.00
MW-2	09/16/05	ND	0.00
MW-2	10/21/05	Sheen	0.00
MW-2	01/18/06	Sheen	0.00
MW-2	04/14/06	Sheen	0.00
MW-2	07/19/06	ND	0.00
MW-2	10/24/06 (1)	NA	0.00
MW-2	**01/15/07**	**ND**	**0.00**
Approximate Cumulative Floating Product Recovered (gallons):			**1.44**

FOOTNOTES:
(1) Free product encountered, but unable to gauge.
ND Non-detect
NA Not applicable

Table 5

Soil Vapor Extraction System and Ground-Water Extraction System
Monthly Discharge Analytical Results Summary

ARCO Service Station No. 2111
1156 Davis Street, San Leandro, California

Date Sampled	Sampling Port	Matrix	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	TAME	TBA	MtBE
1/29/2007	SVE-Influent	Air (mg/m^3)	77	<0.5	<0.5	<0.5	<0.5	---	---	9.4
	SVE A/S-Effluent	Air (mg/m^3)	<10	0.19	<0.10	0.10	<0.20	---	---	5.1
	SVE-Effluent	Air (mg/m^3)	<10	<0.10	<0.10	<0.10	<0.20	---	---	<0.50
	GWE-Influent	Water (µg/L)	2,000	35	<12	23	14	<12	1,800	1,300
	GWE A/S-Effluent	Water (µg/L)	92	<0.50	<0.50	<0.50	<0.50	<0.50	1,900	150
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
2/5/2007	SVE-Influent	Air (mg/m^3)	400	10[2]	<0.50	4.7	2.9[2]	---	---	21
	SVE A/S-Effluent	Air (mg/m^3)	<10	<0.10	<0.10	<0.10	<0.20	---	---	<0.50
	SVE-Effluent	Air (mg/m^3)	<10	<0.10	<0.10	<0.10	<0.20	---	---	<0.50
	GWE-Influent	Water (µg/L)	1,400[1]	25	<5.0	15	7.9	7.5	1,700	1,600
	GWE A/S-Effluent	Water (µg/L)	320[1]	<0.50	<0.50	<0.50	<0.50	0.65	1,600	170
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
3/5/2007	SVE-Influent	Air (mg/m^3)	100	2.3[2]	<0.50	1.2	1.6	---	---	26
	SVE A/S-Effluent	Air (mg/m^3)	11	0.10	<0.10	0.13	<0.20	---	---	10
	SVE-Effluent	Air (mg/m^3)	<10	0.17	<0.10	0.28	<0.20	---	---	<0.50
	GWE-Influent	Water (µg/L)	1,500[1]	20	<5.0	16	15	5.6	1,600	1,600
	GWE A/S-Effluent	Water (µg/L)	220[1]	<0.50	<0.50	<0.50	<0.50	<0.50	1,600	200
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50

Notes:

SVE	= Soil Vapor Extration
GWE	= Groundwater Extration
mg/m3	= milligrams per meter cubed
mg/L	= milligrams per liter
GRO	= gasoline range organics
MtBE	= methyl teritary butyl ether
TBA	= tert-Butyl alcohol
--	= Not sampled.

[1] = Hydrocarbon result partly due to individual peak(s) in quantitation range

[2] = Primary and confirm results varied by > 40% RPD

Table 6
Ground-Water Extraction System Performance Data

ARCO Service Station No.2111
1156 Davis Street, San Leandro, California

Sample ID	Date Sampled	Notes	Totalizer Value (gallons)	Monthly Volume (gallons)	Average Discharge Rate (gpm)	GRO Influent Concentration (µg/L)	GRO Removal Rate (lbs/day)	GRO Net Removed (pounds)	GRO Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Removal Rate (lbs/day)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Influent Concentration (µg/L)	MTBE Removal Rate (lbs/day)	MTBE Net Removed (pounds)	MTBE Removed To Date (pounds)
INFL	01/29/07		3,000	NA	NA	2,000	0.00	0.000	0.000	35	0.0E+00	0.000	0.000	1,300	0.0E+00	0.000	0.000
INFL	02/05/07		33,400	30,400	3.02	1,400	0.06	0.431	0.431	25.0	1.1E-03	0.008	0.008	1,600.00	5.3E-02	0.368	0.368
INFL	03/05/07		130,565	97,165	2.41	1,500	0.04	1.175	1.606	20.0	6.5E-04	0.018	0.026	1,600.00	4.6E-02	1.297	1.664
REPORTING PERIOD: FIRST QUARTER 2007																	
PERIOD WATER DISCHARGED (gal):					127,565												
AVERAGE DISCHARGE RATE (gpm)					2.53												
PERIOD POUNDS REMOVED:								1.606				0.026				1.664	
PERIOD GALLONS REMOVED:								0.263				0.004				0.269	
TOTAL POUNDS REMOVED:									1.606				0.026				1.664
TOTAL GALLONS REMOVED:					130,565				0.263				0.003				0.270
ESTIMATED PERCENT CARBON LOADING:						5.5%											

Explanations:

µg/L = Micrograms per liter
gpm = Gallons per minute
lbs/day = Pounds per day
GRO = Gasoline range organics
MtBE = Methyl tertiary butyl ether
Density of gasoline = 6.1 pounds per gallon
Density of benzene = 7.34 pounds per gallon
Density of MtBE = 6.18 pounds per gallon
NA = Not applicable

Assumptions:

1) Primary carbon loading = 2,000 pounds of carbon (includes primary carbon unit only)
2) Percent carbon loading calculation assumes a loading isotherm of 3% by weight

Table 7
Ground-Water Extraction System Effluent Data

ARCO Service Station No. 2111
1156 Davis Street, San Leandro, California

Sample ID	Date Sampled	Notes	Totalizer Value (gallons)	Monthly Volume (gallons)	Average Discharge Rate (gpm)	Effluent Concentrations						
						GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	TBA (µg/L)	MtBE (µg/L)
EFFL	**01/29/07**		3,000	NA	NA	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	**02/05/07**		33,400	30,400	3.02	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	**03/05/07**		130,565	97,165	2.41	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
REPORTING PERIOD: FIRST QUARTER 2007												
PERIOD WATER DISCHARGED (gal):					**127,565**							
AVERAGE DISCHARGE RATE (gpm)					**2.53**							

Explanations:

µg/L = Micrograms per liter
mg/L = Milligrams per liter
gpm = Gallons per minute
GRO = Gasoline Range Organics
MtBE = Methyl tertiary butyl ether
NA = Data not available

Table 8

OPERATIONAL UPTIME INFORMATION FOR THE SOIL VAPOR EXTRACTION SYSTEM

ARCO Service Station No. 2111

1156 Davis Street, San Leandro, California

Date	Hr. Meter Reading	No. of Days Between Sampling Dates			Cumulative Days		Percent Uptime
		Total Days	Uptime	Days Down	Total Days	Uptime	
01/29/07	**13.6**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
02/05/07	**178.7**	**7**	**6.9**	**0.1**	**7**	**6.90**	**98%**
03/05/07	**437.6**	**28**	**10.8**	**17.2**	**35**	**17.7**	**39%**

NA = Not applicable

Table 9

SOIL VAPOR EXTRACTION SYSTEM FLOW RATES AND AIR SAMPLE ANALYTICAL RESULTS

ARCO Service Station No. 2111
1156 Davis Street, San Leandro, California

Date	Flow Rate (cfm)	Vacuum (in Hg)	Sampling Port	Analytes (mg/m^3)					
				GRO	Benzene	Toluene	Ethylbenzene	Xylenes	MtBE
01/29/07	198	21.0	Influent	**77**	<0.5	<0.5	<0.5	<1.0	**9.4**
			A/S-Effluent	<10	**0.19**	<0.10	**0.10**	<0.20	**5.1**
			Effluent	<10	<0.10	<0.10	<0.10	<0.20	<0.50
02/05/07	200	19.0	Influent	**400**	**10**	**<0.5**	**4.7**	**2.9**	**21**
			A/S-Effluent	<10	<0.10	<0.10	<0.10	<0.20	<0.50
			Effluent	<10	<0.10	<0.10	<0.10	<0.20	<0.50
03/05/07	180	24.0	Influent	**100**	**2.3**	<0.50	**1.2**	**1.6**	**26**
			A/S-Effluent	**11**	**0.10**	<0.10	**0.13**	<0.20	**10**
			Effluent	<10	**0.17**	<0.10	**0.28**	<0.20	<0.50

Notes:

mg/m^3	= milligrams per cubic meter
in Hg	= inches of mercury
cfm	= cubic feet per second
GRO	= gasoline range organics
MtBE	= methyl tertiary butyl ether

Table 10

SOIL VAPOR EXTRACTION SYSTEM EXTRACTION AND EMISSION RATES

ARCO Service Station No. 2111
1156 Davis Street, San Leandro, California

Date	Extraction Rate from Wells (lbs/day)		Emissions Rate to Atmosphere (lbs/day)		Destruction Removal Efficiency, %		Cumulative GRO Removal (lbs)	
	GRO	Benzene	GRO	Benzene	GRO	Benzene	Period	Total
1/29/2007	**1.35**	**0.01**	**0.18**	**0.00**	**87.0%**	**80.0%**	**1.35**	**1.35**
2/5/2007	**7.10**	**0.18**	**0.18**	**0.00**	**97.5%**	**99.0%**	**29.18**	**30.53**
3/5/2007	**1.60**	**0.04**	**0.16**	**0.00**	**90.0%**	**92.6%**	**47.00**	**77.53**

Air Permit Limits

DRE shall be at least 95%

Daily emmission rates will not exceed two lbs. VOC in any one day

Sample Calculations

Ext. Rate from Wells (lbs/day) = $\frac{70 \text{ cuft}}{\text{min}} \times \frac{3100 \text{ mg}}{\text{cu meter}} \times \frac{0.028 \text{ cumeter}}{\text{cuft}} \times \frac{\text{lb}}{454{,}000 \text{ mg}} \times \frac{1{,}440 \text{ min}}{\text{day}}$

Dest. Removal Efficiency, % = $\frac{19.27 - (<0.12)}{19.27} \times 100 = 99.35\%$

Figure 1
Cumulative GWE Mass Removal for GRO, Benzene, and MTBE
Station #2111, 1156 Davis Street, San Leandro, California

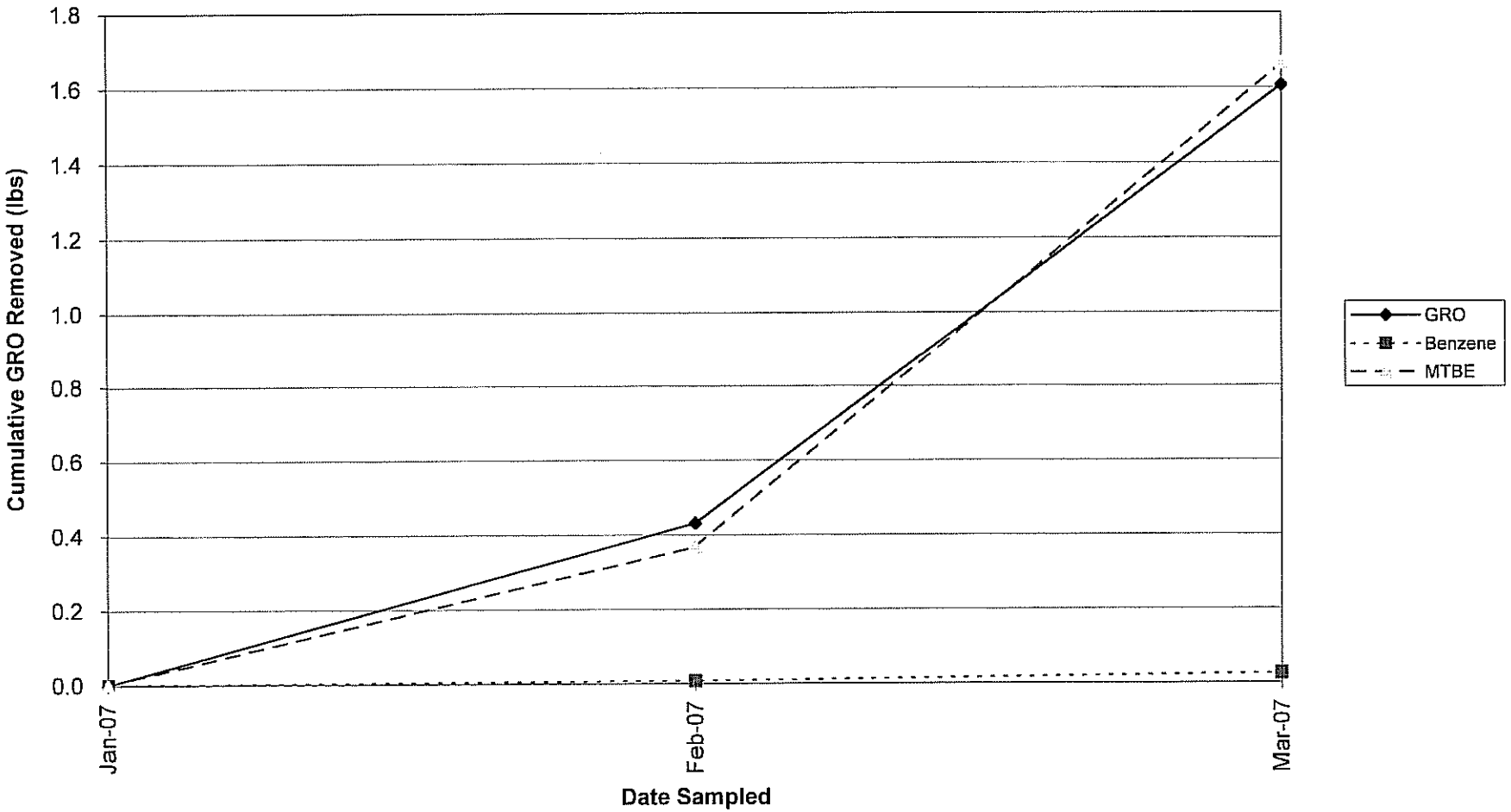


Figure 2
GWE Influent Concentrations for GRO, Benzene, and MTBE
Station #2111, 1156 Davis Street, San Leandro, California

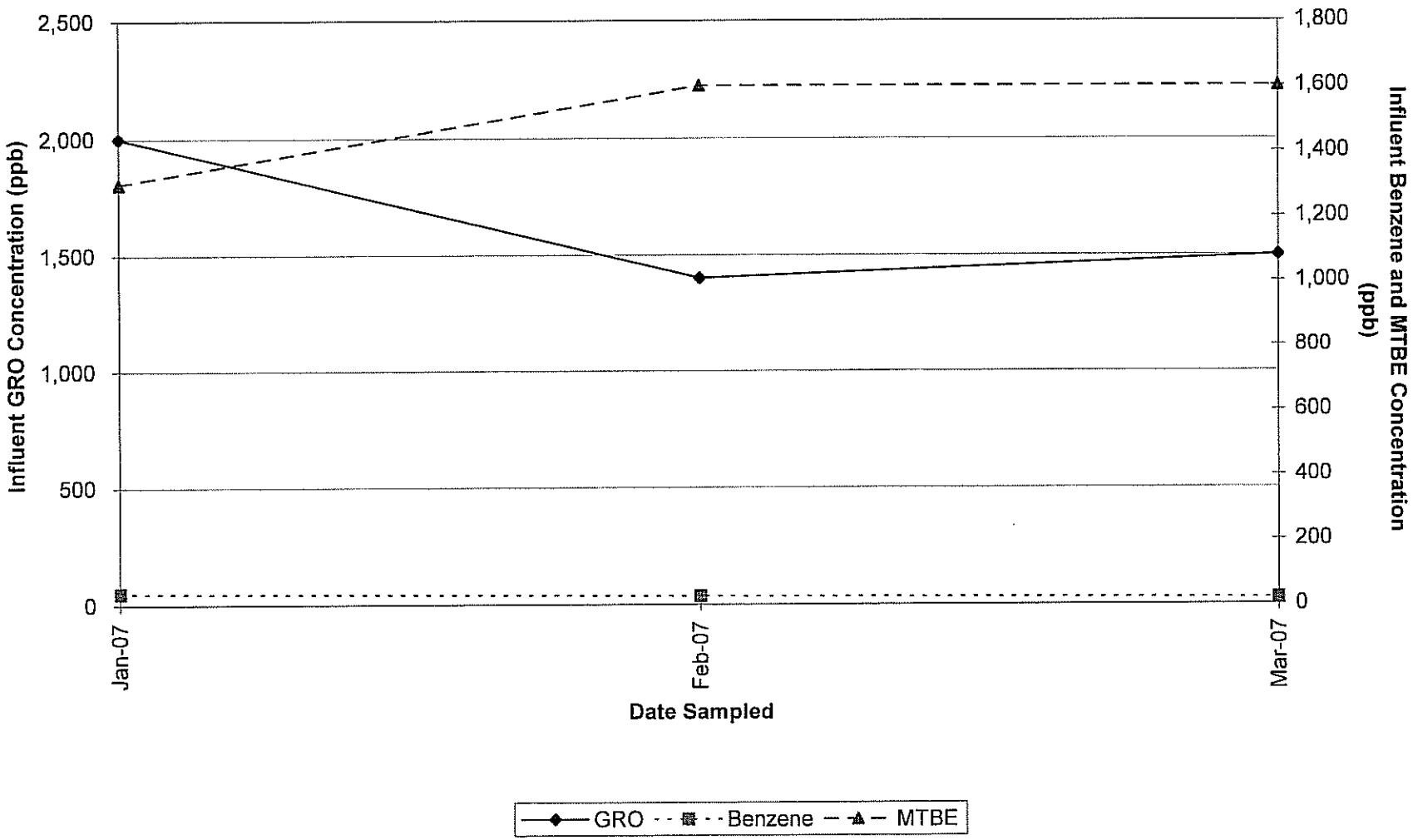


Figure 3
SVE System Influent Concentration vs.Time
Station #2111, 1156 Davis Street, San Leandro, California

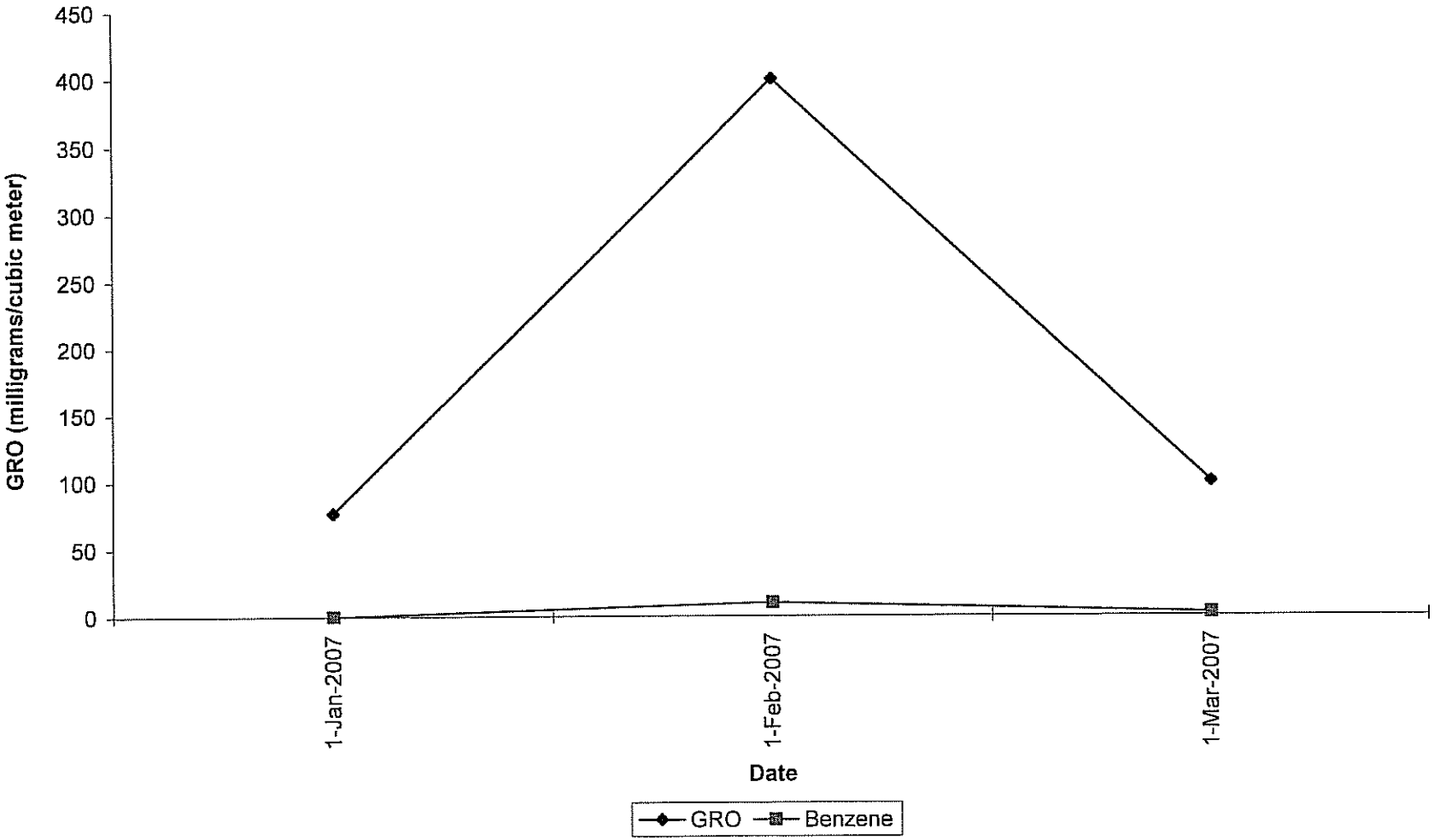
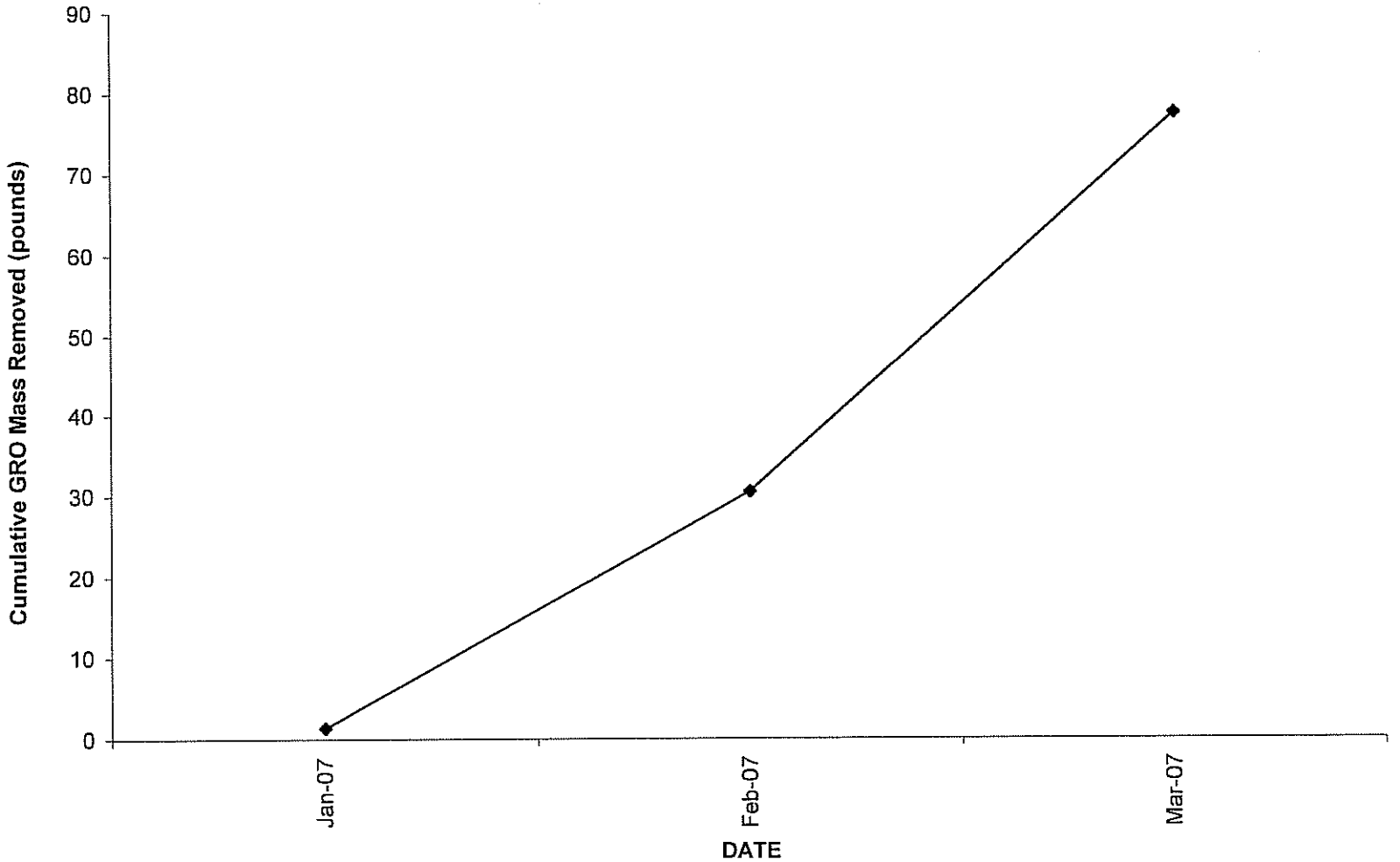


Figure 4
SVE System Cumulative GRO Mass Removed vs. Time
Station #2111, 1156 Davis Street, San Leandro, California



APPENDIX A

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

February 1, 2007

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

Re: Groundwater Sampling Data Package, BP Service Station No. 2111, located at 1156 Davis Street., San Leandro, California (Quarterly Monitoring performed on January 15, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representative: Vince Zalutka / Greg Wilkins
Date: January 15, 2007
Arrival: 04:00 *Departure:* 08:15
Weather Conditions: Clear
Unusual Field Conditions: None
Scope of Work Performed: Quarterly monitoring and sampling
Variations from Work Scope: Wells MW-4 and MW-7 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 bill of lading, field data sheets, calibration 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:

- Bill of Lading
- Field Data Sheets
- Calibration Form
- Chain of Custody Documentation
- Certified Analytical Results

CC: Mr. Paul Supple, BP/ARCO

BP GEM OIL COMPANY

TYPE **A** BILL OF LADING

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGEWATER WHICH HAS BEEN RECOVERED FROM GROUNDWATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY BELSHIRE ENVIRONMENTAL TO SEAPORT ENVIRONMENTAL IN REDWOOD CITY, CALIFORNIA.

The contractors performing this work are Stratus Environmental, Inc. [Stratus, 3330 Cameron Park Drive, Suite 550, Cameron Park, CA 95682, (530) 676-6004], and Dulous Environmental, Inc. [Dulous, PO Box 2559, Orangevale, CA 95662, (916) 990-0333]. Stratus is authorized by BP GEM OIL COMPANY to recover, collect, and apportion into loads the non-hazardous well purgewater that is drawn from wells at BP GEM Oil Company facilities and deliver that purgewater to BP GEM Oil Company facility 5786 located in West Sacramento, California. Dulous also performs these services under subcontract to Stratus. Transport routing of the non-hazardous well purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The non-hazardous well purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of non-hazardous well purgewater from wells at the BP GEM Oil Company facility described below:

ARCO 2111

Station #

1156 Davis st. San Leandro, CA

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

93 gal

Added Equipment Rinse Water_____

Any Other Adjustments_____

TOTAL GALS. RECOVERED 93

loaded onto Stratus vehicle # _____

Stratus Project #

E2111

time 0830

date 01/15/07

Signature

* *

RECEIVED AT

5786

time 1330

date 01/15/07

Unloaded by Signature

STRATUS ENVIRONMENTAL, INC.

Site Address: 1156 Davis St
City San Leandro, CA
Sampled By G. Wilkins/M. Zaldivar

ORIGINAL

Site Number: ARCO 2111
Project No. E2111
Project PM Jay Johnson
Date Sampled 01-15-07

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	0432	16.81	12.5	26.07	9.26	4	2	18.52	18.5			X		16.93	MW-1	0717	1.14
MW-2	0510	15.00	12	26.78	11.78	4	2	23.56	24			X		15.00	MW-2	0650	1.85
MW-3	0421	16.00	12	26.17	10.17	4	2	20.34	20			X		16.08	MW-3	0738	1.11
MW-4	0411	14.96	10	21.46	6.5	4	2	13.0	7			X Dry@7g.		15.61	MW-4	0800	1561
MW-5	0411	14.63	9.5	23.6	8.97	2	.5	4.5	4.5		X			14.65	MW-5	0430	2.8
MW-6	0358	13.8	10	20.4	6.6	2	.5			X						N/A	
MW-7	0518	14.43	12	26.26	11.83	4	2	23.66	7			X Dry@2gal		24.6	MW-7	0612	2.12
MW-8	0444	15.67	18	39.0	23.33	2	.5	11.67	12		X			15.68	MW-8	0541	1.35
TB	2111	0115	2007													0457	

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

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

STRATUS
ENVIRONMENTAL, INC.

Site Address 1156 Davis st
City San Leandro, CA,
Site Sampled by G. Wilkins / V. Zablan

Site Number AREO2111
Project No. E2111
Project PM Jay Johnson
Date Sampled 01-15-07

ORIGINAL

Well ID MW-1				0717
purge start time 0704		No ODOR		
	Temp C	pH	cond	gallons
time	20.0	7.60	586	8
time	19.3	7.19	592	9
time	17.4	7.12	590	18.5
time				
purge stop time 0712				

Well ID MW-2				0650
purge start time 0640			ODOR	
	Temp C	pH	cond	gallons
time	18.5	6.89	579	8
time	19.9	6.97	591	11
time	17.8	7.13	592	23
time				
pugre stop time 0646				

Well ID MW-3				0738
purge start time 0727			No Odor	
	Temp C	pH	cond	gallons
time	20.6	7.24	579	8
time	19.7	7.01	576	10
time	17.6	7.03	578	20
time				
purge stop time 0735				

Well ID MW-4				0800
purge start time 0752				
	Temp C	pH	cond	gallons
time	21.1	6.95	608	8
time		Dry	@	7
time	18.0	7.04	608	(7)
time				
purge stop time Dry @ 7gal				

Well ID MW-5				0430
purge start time Bailer			No Odor	
	Temp C	pH	cond	gallons
time	15.5	6.69	800	8
time	16.3	6.73	803	4.5
time				
time				
purge stop time				

Well ID MW-7				
purge start time 0957			Odor	
	Temp C	pH	cond	gallons
time	14.7	7.56	571	0
time	14.8	7.44	613	7
time		DRY	@ 7	gal
time				
purge stop time [redacted] Dry at 7gal				

Well ID MW-8				0541
purge start time Bailer			No Odor	
	Temp C	pH	cond	gallons
time	14.4	6.65	792	0
time	15.8	6.70	783	6
time	14.3	6.68	807	12
time				
purge stop time				

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

[redacted]

Account: ARCO 2111

Sampled by: G. Wilkins / V. Zaboltka Date: 01-15-07 Meters Last Calibrated (Date) _____

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	X			4						
MW-2	X			4						
MW-3	X			1		X				
MW-4	X									Had to Cut lock, not replaced
MW-5	X									
MW-6			X							
MW-7	X									
MW-8	X									

Atlantic Richfield Company

bp A BP affiliated company

Chain of Custody Record

ORIGINAL

Project Name: ARCO 2111

BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy): Std TAT

On-site Time:	0400	Temp:	22
Off-site Time:	0815	Temp:	33
Sky Conditions:	Clear		
Meteorological Events:	—		
Wind Speed:	—	Direction:	—

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, ~~Sacramento~~ San Leandro	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023	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: cjewitt@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: GRO/BTEX/Oxy*	Requested Analysis: 1,2-DCA	Requested Analysis: Ethanol	Requested Analysis: EDB	Requested Analysis: DRO	Sample Point Lat/Long and Comments
1	MW-1	0717	01/15/07		X			3				X		X	X	X	X		All by 8260
2	MW-2	0650						3											
3	MW-3	0738						3											*Oxy = MTBE,TAME,ETBE,DIPE,TBA
4	MW-4	0800						3											
5	MW-5	0430						6											
6	MW-7	0612						3											
7	MW-8	0541						3						X	X	X	X		
8																			3.4°C
9	TB 2111011520007	0452	01/15/07		X			2											On Hold
10																			

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	Vince Zalutka	Vince Zalutka	1-15-07	1327		1/15/07	1327
Sampler's Company:	Stratus						
Shipment Date:	1-13-07						
Shipment Method:	Stratus						
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

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30 January, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQA0563

Enclosed are the results of analyses for samples received by the laboratory on 01/16/07 08:15. 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: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MQA0563-01	Water	01/15/07 07:17	01/16/07 08:15
MW-2	MQA0563-02	Water	01/15/07 06:50	01/16/07 08:15
MW-3	MQA0563-03	Water	01/15/07 07:38	01/16/07 08:15
MW-4	MQA0563-04	Water	01/15/07 08:00	01/16/07 08:15
MW-5	MQA0563-05	Water	01/15/07 04:30	01/16/07 08:15
MW-7	MQA0563-06	Water	01/15/07 06:12	01/16/07 08:15
MW-8	MQA0563-07	Water	01/15/07 05:41	01/16/07 08:15
TB211101152007	MQA0563-08	Water	01/15/07 04:52	01/16/07 08:15

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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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MQA0563-01) Water Sampled: 01/15/07 07:17 Received: 01/16/07 08:15									
Gasoline Range Organics (C4-C12)	**470**	250	ug/l	5	7A23017	01/23/07	01/24/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
MW-2 (MQA0563-02) Water Sampled: 01/15/07 06:50 Received: 01/16/07 08:15									
Gasoline Range Organics (C4-C12)	**5000**	1000	ug/l	20	7A23017	01/23/07	01/24/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-145*		"	"	"	"	
MW-3 (MQA0563-03) Water Sampled: 01/15/07 07:38 Received: 01/16/07 08:15									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A24020	01/24/07	01/25/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-145*		"	"	"	"	
MW-4 (MQA0563-04) Water Sampled: 01/15/07 08:00 Received: 01/16/07 08:15									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A23017	01/23/07	01/24/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*60-145*		"	"	"	"	
MW-5 (MQA0563-05) Water Sampled: 01/15/07 04:30 Received: 01/16/07 08:15									
Gasoline Range Organics (C4-C12)	**73**	50	ug/l	1	7A23017	01/23/07	01/23/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-145*		"	"	"	"	
MW-7 (MQA0563-06) Water Sampled: 01/15/07 06:12 Received: 01/16/07 08:15									
Gasoline Range Organics (C4-C12)	**2500**	500	ug/l	10	7A26027	01/26/07	01/27/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-145*		"	"	"	"	
MW-8 (MQA0563-07) Water Sampled: 01/15/07 05:41 Received: 01/16/07 08:15									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A26004	01/26/07	01/26/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MQA0563-01) Water Sampled: 01/15/07 07:17 Received: 01/16/07 08:15									
tert-Amyl methyl ether	**6.8**	2.5	ug/l	5	7A23017	01/23/07	01/24/07	EPA 8260B	
Benzene	**2.8**	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	1500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	**14**	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**220**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	**8.4**	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*60-120*		"	"	"	"	
MW-2 (MQA0563-02) Water Sampled: 01/15/07 06:50 Received: 01/16/07 08:15									
tert-Amyl methyl ether	ND	10	ug/l	20	7A23017	01/23/07	01/24/07	EPA 8260B	
Benzene	**51**	10	"	"	"	"	"	"	
tert-Butyl alcohol	**1900**	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	**49**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1400**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	**34**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*60-120*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MQA0563-03) Water Sampled: 01/15/07 07:38 Received: 01/16/07 08:15									
tert-Amyl methyl ether	**2.9**	0.50	ug/l	1	7A24020	01/24/07	01/25/07	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	**0.61**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**29**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*60-120*		"	"	"	"	
MW-4 (MQA0563-04) Water Sampled: 01/15/07 08:00 Received: 01/16/07 08:15									
tert-Amyl methyl ether	**0.98**	0.50	ug/l	1	7A23017	01/23/07	01/24/07	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	**0.96**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.8**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-120*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MQA0563-05) Water Sampled: 01/15/07 04:30 Received: 01/16/07 08:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7A23017	01/23/07	01/23/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**990**	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	**36**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*60-120*		"	"	"	"	
MW-7 (MQA0563-06) Water Sampled: 01/15/07 06:12 Received: 01/16/07 08:15									
tert-Amyl methyl ether	ND	100	ug/l	200	7A23017	01/23/07	01/24/07	EPA 8260B	
Benzene	ND	100	"	"	"	"	"	"	
tert-Butyl alcohol	**9300**	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	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**3900**	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
Xylenes (total)	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*60-120*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MQA0563-07) Water Sampled: 01/15/07 05:41 Received: 01/16/07 08:15									
tert-Amyl methyl ether	**0.88**	0.50	ug/l	1	7A26004	01/26/07	01/26/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**52**	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	**67**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*60-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

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 7A23017 - EPA 5030B P/T / LUFT GCMS										
Blank (7A23017-BLK1)				Prepared & Analyzed: 01/23/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.70*		"	*2.50*		*108*	*60-145*			
Laboratory Control Sample (7A23017-BS2)				Prepared & Analyzed: 01/23/07						
Gasoline Range Organics (C4-C12)	389	50	ug/l	500		78	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.59*		"	*2.50*		*104*	*60-145*			
Laboratory Control Sample Dup (7A23017-BSD2)				Prepared & Analyzed: 01/23/07						
Gasoline Range Organics (C4-C12)	421	50	ug/l	500		84	75-140	8	20	
Surrogate: 1,2-Dichloroethane-d4	*2.73*		"	*2.50*		*109*	*60-145*			
Batch 7A24020 - EPA 5030B P/T / LUFT GCMS										
Blank (7A24020-BLK1)				Prepared & Analyzed: 01/24/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-145*			
Laboratory Control Sample (7A24020-BS2)				Prepared & Analyzed: 01/24/07						
Gasoline Range Organics (C4-C12)	630	50	ug/l	500		126	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.54*		"	*2.50*		*102*	*60-145*			
Laboratory Control Sample Dup (7A24020-BSD2)				Prepared & Analyzed: 01/24/07						
Gasoline Range Organics (C4-C12)	615	50	ug/l	500		123	75-140	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-145*			
Batch 7A26004 - EPA 5030B P/T / LUFT GCMS										
Blank (7A26004-BLK1)				Prepared & Analyzed: 01/26/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.40*		"	*2.50*		*96*	*60-145*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

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 7A26004 - EPA 5030B P/T / LUFT GCMS										
Laboratory Control Sample (7A26004-BS2)				Prepared & Analyzed: 01/26/07						
Gasoline Range Organics (C4-C12)	651	50	ug/l	500		130	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.65*		"	*2.50*		*106*	*60-145*			
Laboratory Control Sample Dup (7A26004-BSD2)				Prepared & Analyzed: 01/26/07						
Gasoline Range Organics (C4-C12)	526	50	ug/l	500		105	75-140	21	20	RA
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-145*			
Batch 7A26027 - EPA 5030B P/T / LUFT GCMS										
Blank (7A26027-BLK1)				Prepared & Analyzed: 01/26/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-145*			
Laboratory Control Sample (7A26027-BS2)				Prepared & Analyzed: 01/26/07						
Gasoline Range Organics (C4-C12)	571	50	ug/l	500		114	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*60-145*			
Laboratory Control Sample Dup (7A26027-BSD2)				Prepared & Analyzed: 01/26/07						
Gasoline Range Organics (C4-C12)	600	50	ug/l	500		120	75-140	5	20	
Surrogate: 1,2-Dichloroethane-d4	*2.63*		"	*2.50*		*105*	*60-145*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

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 7A23017 - EPA 5030B P/T / EPA 8260B										
Blank (7A23017-BLK1)				Prepared & Analyzed: 01/23/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
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	*2.44*		"	*2.50*		*98*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.70*		"	*2.50*		*108*	*60-145*			
Surrogate: Toluene-d8	*2.49*		"	*2.50*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*60-120*			
Laboratory Control Sample (7A23017-BS1)				Prepared & Analyzed: 01/23/07						
tert-Amyl methyl ether	12.2	0.50	ug/l	10.0		122	65-135			
Benzene	11.4	0.50	"	10.0		114	70-125			
tert-Butyl alcohol	202	5.0	"	200		101	60-135			
Di-isopropyl ether	12.2	0.50	"	10.0		122	70-130			
1,2-Dibromoethane (EDB)	12.4	0.50	"	10.0		124	80-125			
1,2-Dichloroethane	12.0	0.50	"	10.0		120	75-125			
Ethanol	240	300	"	200		120	15-150			
Ethyl tert-butyl ether	12.0	0.50	"	10.0		120	65-130			
Ethylbenzene	12.0	0.50	"	10.0		120	70-130			
Methyl tert-butyl ether	11.5	0.50	"	10.0		115	50-140			
Toluene	11.4	0.50	"	10.0		114	70-120			
Xylenes (total)	35.5	0.50	"	30.0		118	80-125			
Surrogate: Dibromofluoromethane	*2.53*		"	*2.50*		*101*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.67*		"	*2.50*		*107*	*60-145*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.71*		"	*2.50*		*108*	*60-120*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

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 7A23017 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7A23017-MS1)	**Source: MQA0563-05**			Prepared & Analyzed: 01/23/07						
tert-Amyl methyl ether	11.7	0.50	ug/l	10.0	ND	117	65-135			
Benzene	10.9	0.50	"	10.0	ND	109	70-125			
tert-Butyl alcohol	1120	5.0	"	200	990	65	60-135			
Di-isopropyl ether	12.0	0.50	"	10.0	ND	120	70-130			
1,2-Dibromoethane (EDB)	11.6	0.50	"	10.0	ND	116	80-125			
1,2-Dichloroethane	11.5	0.50	"	10.0	ND	115	75-125			
Ethanol	222	300	"	200	ND	111	15-150			
Ethyl tert-butyl ether	11.5	0.50	"	10.0	ND	115	65-130			
Ethylbenzene	11.3	0.50	"	10.0	ND	113	70-130			
Methyl tert-butyl ether	45.3	0.50	"	10.0	36	93	50-140			
Toluene	10.7	0.50	"	10.0	ND	107	70-120			
Xylenes (total)	33.0	0.50	"	30.0	ND	110	80-125			
Surrogate: Dibromofluoromethane	*2.60*		"	*2.50*		*104*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.72*		"	*2.50*		*109*	*60-145*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.72*		"	*2.50*		*109*	*60-120*			
Matrix Spike Dup (7A23017-MSD1)	**Source: MQA0563-05**			Prepared & Analyzed: 01/23/07						
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135	3	25	
Benzene	11.2	0.50	"	10.0	ND	112	70-125	3	15	
tert-Butyl alcohol	1190	5.0	"	200	990	100	60-135	6	35	
Di-isopropyl ether	10.7	0.50	"	10.0	ND	107	70-130	11	35	
1,2-Dibromoethane (EDB)	12.3	0.50	"	10.0	ND	123	80-125	6	15	
1,2-Dichloroethane	10.9	0.50	"	10.0	ND	109	75-125	5	10	
Ethanol	247	300	"	200	ND	124	15-150	11	35	
Ethyl tert-butyl ether	10.7	0.50	"	10.0	ND	107	65-130	7	35	
Ethylbenzene	11.4	0.50	"	10.0	ND	114	70-130	0.9	15	
Methyl tert-butyl ether	42.8	0.50	"	10.0	36	68	50-140	6	25	
Toluene	11.6	0.50	"	10.0	ND	116	70-120	8	15	
Xylenes (total)	34.7	0.50	"	30.0	ND	116	80-125	5	15	
Surrogate: Dibromofluoromethane	*2.55*		"	*2.50*		*102*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		"	*2.50*		*95*	*60-145*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.56*		"	*2.50*		*102*	*60-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

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 7A24020 - EPA 5030B P/T / EPA 8260B										
Blank (7A24020-BLK1)				Prepared & Analyzed: 01/24/07						
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	*2.35*		"	*2.50*		*94*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-145*			
Surrogate: Toluene-d8	*2.36*		"	*2.50*		*94*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.21*		"	*2.50*		*88*	*60-120*			
Laboratory Control Sample (7A24020-BS1)				Prepared & Analyzed: 01/24/07						
tert-Amyl methyl ether	11.5	0.50	ug/l	10.0		115	65-135			
Benzene	11.1	0.50	"	10.0		111	70-125			
tert-Butyl alcohol	207	20	"	200		104	60-135			
Di-isopropyl ether	11.5	0.50	"	10.0		115	70-130			
1,2-Dibromoethane (EDB)	11.2	0.50	"	10.0		112	80-125			
1,2-Dichloroethane	11.6	0.50	"	10.0		116	75-125			
Ethanol	210	300	"	200		105	15-150			
Ethyl tert-butyl ether	11.6	0.50	"	10.0		116	65-130			
Ethylbenzene	11.4	0.50	"	10.0		114	70-130			
Methyl tert-butyl ether	11.1	0.50	"	10.0		111	50-140			
Toluene	11.1	0.50	"	10.0		111	70-120			
Xylenes (total)	34.5	0.50	"	30.0		115	80-125			
Surrogate: Dibromofluoromethane	*2.64*		"	*2.50*		*106*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-145*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98*	*60-120*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

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 7A24020 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7A24020-MS1)	**Source: MQA0591-02**			Prepared & Analyzed: 01/24/07						
tert-Amyl methyl ether	12.0	0.50	ug/l	10.0	ND	120	65-135			
Benzene	11.4	0.50	"	10.0	ND	114	70-125			
tert-Butyl alcohol	226	20	"	200	ND	113	60-135			
Di-isopropyl ether	12.1	0.50	"	10.0	ND	121	70-130			
1,2-Dibromoethane (EDB)	12.1	0.50	"	10.0	ND	121	80-125			
1,2-Dichloroethane	12.0	0.50	"	10.0	ND	120	75-125			
Ethanol	231	300	"	200	ND	116	15-150			
Ethyl tert-butyl ether	11.9	0.50	"	10.0	ND	119	65-130			
Ethylbenzene	12.3	0.50	"	10.0	ND	123	70-130			
Methyl tert-butyl ether	11.7	0.50	"	10.0	ND	117	50-140			
Toluene	11.5	0.50	"	10.0	ND	115	70-120			
Xylenes (total)	36.8	0.50	"	30.0	ND	123	80-125			
Surrogate: Dibromofluoromethane	*2.54*		"	*2.50*		*102*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*60-145*			
Surrogate: Toluene-d8	*2.57*		"	*2.50*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-120*			
Matrix Spike Dup (7A24020-MSD1)	**Source: MQA0591-02**			Prepared & Analyzed: 01/24/07						
tert-Amyl methyl ether	11.5	0.50	ug/l	10.0	ND	115	65-135	4	25	
Benzene	11.5	0.50	"	10.0	ND	115	70-125	0.9	15	
tert-Butyl alcohol	230	20	"	200	ND	115	60-135	2	35	
Di-isopropyl ether	11.9	0.50	"	10.0	ND	119	70-130	2	35	
1,2-Dibromoethane (EDB)	11.3	0.50	"	10.0	ND	113	80-125	7	15	
1,2-Dichloroethane	11.9	0.50	"	10.0	ND	119	75-125	0.8	10	
Ethanol	251	300	"	200	ND	126	15-150	8	35	
Ethyl tert-butyl ether	11.4	0.50	"	10.0	ND	114	65-130	4	35	
Ethylbenzene	12.1	0.50	"	10.0	ND	121	70-130	2	15	
Methyl tert-butyl ether	11.1	0.50	"	10.0	ND	111	50-140	5	25	
Toluene	11.2	0.50	"	10.0	ND	112	70-120	3	15	
Xylenes (total)	36.8	0.50	"	30.0	ND	123	80-125	0	15	
Surrogate: Dibromofluoromethane	*2.57*		"	*2.50*		*103*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-145*			
Surrogate: Toluene-d8	*2.47*		"	*2.50*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98*	*60-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

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 7A26004 - EPA 5030B P/T / EPA 8260B										
Blank (7A26004-BLK1)				Prepared & Analyzed: 01/26/07						
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	*2.33*		"	*2.50*		*93*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.40*		"	*2.50*		*96*	*60-145*			
Surrogate: Toluene-d8	*2.43*		"	*2.50*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*60-120*			
Laboratory Control Sample (7A26004-BS1)				Prepared & Analyzed: 01/26/07						
tert-Amyl methyl ether	12.3	0.50	ug/l	10.0		123	65-135			
Benzene	11.5	0.50	"	10.0		115	70-125			
tert-Butyl alcohol	197	20	"	200		98	60-135			
Di-isopropyl ether	10.6	0.50	"	10.0		106	70-130			
1,2-Dibromoethane (EDB)	11.4	0.50	"	10.0		114	80-125			
1,2-Dichloroethane	11.5	0.50	"	10.0		115	75-125			
Ethanol	218	300	"	200		109	15-150			
Ethyl tert-butyl ether	11.3	0.50	"	10.0		113	65-130			
Ethylbenzene	11.6	0.50	"	10.0		116	70-130			
Methyl tert-butyl ether	11.4	0.50	"	10.0		114	50-140			
Toluene	11.1	0.50	"	10.0		111	70-120			
Xylenes (total)	34.6	0.50	"	30.0		115	80-125			
Surrogate: Dibromofluoromethane	*2.49*		"	*2.50*		*100*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.61*		"	*2.50*		*104*	*60-145*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.73*		"	*2.50*		*109*	*60-120*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

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 7A26004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7A26004-MS1)	**Source: MQA0684-01**			Prepared & Analyzed: 01/26/07						
tert-Amyl methyl ether	12.2	0.50	ug/l	10.0	ND	122	65-135			
Benzene	12.2	0.50	"	10.0	ND	122	70-125			
tert-Butyl alcohol	200	20	"	200	ND	100	60-135			
Di-isopropyl ether	11.0	0.50	"	10.0	ND	110	70-130			
1,2-Dibromoethane (EDB)	11.2	0.50	"	10.0	ND	112	80-125			
1,2-Dichloroethane	10.5	0.50	"	10.0	0.30	102	75-125			
Ethanol	228	300	"	200	ND	114	15-150			
Ethyl tert-butyl ether	11.2	0.50	"	10.0	ND	112	65-130			
Ethylbenzene	11.8	0.50	"	10.0	ND	118	70-130			
Methyl tert-butyl ether	18.4	0.50	"	10.0	7.2	112	50-140			
Toluene	11.4	0.50	"	10.0	ND	114	70-120			
Xylenes (total)	35.3	0.50	"	30.0	ND	118	80-125			
Surrogate: Dibromofluoromethane	*2.33*		"	*2.50*		*93*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.20*		"	*2.50*		*88*	*60-145*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.59*		"	*2.50*		*104*	*60-120*			
Matrix Spike Dup (7A26004-MSD1)	**Source: MQA0684-01**			Prepared & Analyzed: 01/26/07						
tert-Amyl methyl ether	12.7	0.50	ug/l	10.0	ND	127	65-135	4	25	
Benzene	12.6	0.50	"	10.0	ND	126	70-125	3	15	LM
tert-Butyl alcohol	204	20	"	200	ND	102	60-135	2	35	
Di-isopropyl ether	11.4	0.50	"	10.0	ND	114	70-130	4	35	
1,2-Dibromoethane (EDB)	11.7	0.50	"	10.0	ND	117	80-125	4	15	
1,2-Dichloroethane	11.0	0.50	"	10.0	0.30	107	75-125	5	10	
Ethanol	222	300	"	200	ND	111	15-150	3	35	
Ethyl tert-butyl ether	11.7	0.50	"	10.0	ND	117	65-130	4	35	
Ethylbenzene	11.9	0.50	"	10.0	ND	119	70-130	0.8	15	
Methyl tert-butyl ether	19.1	0.50	"	10.0	7.2	119	50-140	4	25	
Toluene	11.7	0.50	"	10.0	ND	117	70-120	3	15	
Xylenes (total)	35.9	0.50	"	30.0	ND	120	80-125	2	15	
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.24*		"	*2.50*		*90*	*60-145*			
Surrogate: Toluene-d8	*2.43*		"	*2.50*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*60-120*			

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: ARCO #2111, San Leandro, CA	MQA0563
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/30/07 12:46

Notes and Definitions

RA	RPD exceeds limit due to matrix interf.; % recovs. within limits
PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Atlantic Richfield Company

bp A BP affiliated company

Chain of Custody Record

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy): Std TAT

On-site Time:	0400	Temp:	22
Off-site Time:	0815	Temp:	33
Sky Conditions:	Clear		
Meteorological Events:	—		
Wind Speed:	—	Direction:	—

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, ~~Sacramento~~ San Leandro	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023	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: cjewitt@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: GRO/BTEX/Oxy*	Requested Analysis: 1,2-DCA	Requested Analysis: Ethanol	Requested Analysis: EDB	Requested Analysis: DRO	Sample Point Lat/Long and Comments
1	MW-1	0717	01/15/07		X		01	3				X		X	X	X	X		All by 8260
2	MW-2	0650	"		"		02	3				"		"	"	"	"		
3	MW-3	0738	"		"		03	3				"		"	"	"	"		*Oxy = MTBE,TAME,ETBE,DIPE,TBA
4	MW-4	0800	"		"		04	3				"		"	"	"	"		
5	MW-5	0430	"		"		05	6				"		"	"	"	"		
6	MW-7	0612	"		"		06	3				"		"	"	"	"		
7	MW-8	0541	"		"		07	3				✓		X	X	X	X		
8																			3.4°C
9	TB 211011520007	0452	01/15/07		X		08	2	—	—	—	—	—	—	—	—	—		On Hold
10																			

Sampler's Name:	Vince Zalutko	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Stratus	Vince Zalutko	1/15/07	1327		1/15/07	1327
Shipment Date:	1-15-07		1/15/07	1630			
Shipment Method:	Stratus				Millie ng.	1/16	0815
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: 4.8 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: (Yes) / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO
REC. BY (PRINT): JULIE NG.
WORKORDER: MQA0563

DATE REC'D AT LAB: 1/16/07
TIME REC'D AT LAB: 0815
DATE LOGGED IN: 1/17/06

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) (Present) / Absent; Intact / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: Present / (Absent)								
4. Airbill: Airbill / Sticker (Present) / Absent								
5. Airbill #: D1001173491 61								
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: 4.8°C; Corrected Temp: ↓; Is corrected temp 4 +/-2°C? (Yes) / No** (Acceptance range for samples requiring thermal pres.)								

**Exception (if any): METALS / DFF ON ICE or Problem COC

JULIE NG. 1/16 07 SEE COC

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

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATIONS

Electronic Submittal Information

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**1Q07 GEO_WELL 2111**
Submittal Date/Time:	**4/20/2007 10:34:13 AM**
Confirmation Number:	**8972292840**

Back to Main Menu

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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Confirmation Number: 2310616910
Date/Time of Submittal: 4/20/2007 10:36:33 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: 1Q07 GW Monitoring
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
2310616910	1Q07 GW Monitoring	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/20/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	4
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	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%	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%	N

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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Confirmation Number: 4827573418
Date/Time of Submittal: 4/20/2007 11:12:13 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0107
Submittal Type: Soil & Water Investigation Report

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ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
4827573418	Monthly System Sampling 0107	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/20/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	AIR - UNK. ORIGIN

METHOD QA/QC REPORT

METHODS USED	SW8020F
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8020F REQUIRES ETBE TO BE TESTED	
- SW8020F REQUIRES TAME TO BE TESTED	
- SW8020F REQUIRES DIPE TO BE TESTED	
- SW8020F REQUIRES TBA TO BE TESTED	
- SW8020F REQUIRES DCA12 TO BE TESTED	
- SW8020F REQUIRES EDB TO BE TESTED	
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/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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Confirmation Number: 7701080262
Date/Time of Submittal: 4/20/2007 11:16:46 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0107
Submittal Type: Soil & Water Investigation Report

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ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
7701080262	Monthly System Sampling 0107	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/20/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	0
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	AIR - UNK. ORIGIN

METHOD QA/QC REPORT

METHODS USED	SW8020F
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8020F REQUIRES ETBE TO BE TESTED	
- SW8020F REQUIRES TAME TO BE TESTED	
- SW8020F REQUIRES DIPE TO BE TESTED	
- SW8020F REQUIRES TBA TO BE TESTED	
- SW8020F REQUIRES DCA12 TO BE TESTED	
- SW8020F REQUIRES EDB 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%	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

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Confirmation Number: 3996611654
Date/Time of Submittal: 4/20/2007 11:21:37 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0107
Submittal Type: Soil & Water Investigation Report

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ARCO #2111
1156 DAVIS
SAN LEANDRO, CA 94577

Regional Board - Case #: 01-1903
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000494
ALAMEDA COUNTY LOP - (SP)

CONF #	TITLE	QUARTER
3996611654	Monthly System Sampling 0107	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/20/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	4
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT 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%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y

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

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Confirmation Number: 5817514002
Date/Time of Submittal: 4/25/2007 8:05:28 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling g0107
Submittal Type: Soil & Water Investigation Report

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ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
5817514002	Monthly System Sampling g0107	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/25/2007	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	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
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%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y

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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Confirmation Number: 6700142621
Date/Time of Submittal: 4/25/2007 9:49:13 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0107
Submittal Type: Soil & Water Investigation Report

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ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
6700142621	Monthly System Sampling 0107	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/25/2007	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	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	2
METHOD HOLDING TIME VIOLATIONS	2
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%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y

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

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

Your EDF file has been successfully uploaded!

Confirmation Number: 6205835103
Date/Time of Submittal: 4/25/2007 10:00:59 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0207
Submittal Type: Soil & Water Investigation Report

Click here to view the detections report for this upload.

ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
6205835103	Monthly System Sampling 0207	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/25/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	2
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	AIR - UNK. ORIGIN

METHOD QA/QC REPORT

METHODS USED	SW8020F
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8020F REQUIRES ETBE TO BE TESTED	
- SW8020F REQUIRES TAME TO BE TESTED	
- SW8020F REQUIRES DIPE TO BE TESTED	
- SW8020F REQUIRES TBA TO BE TESTED	
- SW8020F REQUIRES DCA12 TO BE TESTED	
- SW8020F REQUIRES EDB TO BE TESTED	
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/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

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Confirmation Number: 5546986937
Date/Time of Submittal: 4/25/2007 10:21:12 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0207
Submittal Type: Soil & Water Investigation Report

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ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
5546986937	Monthly System Sampling 0207	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/25/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	4
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
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
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

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Date/Time of Submittal: 4/25/2007 10:28:59 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0307
Submittal Type: Soil & Water Investigation Report

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ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
9927806198	Monthly System Sampling 0307	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/25/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	0
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	AIR - UNK. ORIGIN

METHOD QA/QC REPORT

METHODS USED	SW8020F
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8020F REQUIRES ETBE TO BE TESTED	
- SW8020F REQUIRES TAME TO BE TESTED	
- SW8020F REQUIRES DIPE TO BE TESTED	
- SW8020F REQUIRES TBA TO BE TESTED	
- SW8020F REQUIRES DCA12 TO BE TESTED	
- SW8020F REQUIRES EDB 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%	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

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Date/Time of Submittal: 4/25/2007 10:43:26 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0307
Submittal Type: Soil & Water Investigation Report

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ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
9028054356	Monthly System Sampling 0307	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/25/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	AIR - UNK. ORIGIN

METHOD QA/QC REPORT

METHODS USED	SW8020F
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8020F REQUIRES ETBE TO BE TESTED	
- SW8020F REQUIRES TAME TO BE TESTED	
- SW8020F REQUIRES DIPE TO BE TESTED	
- SW8020F REQUIRES TBA TO BE TESTED	
- SW8020F REQUIRES DCA12 TO BE TESTED	
- SW8020F REQUIRES EDB TO BE TESTED	
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/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

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Confirmation Number: 6330172121
Date/Time of Submittal: 4/25/2007 12:48:42 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0307
Submittal Type: Soil & Water Investigation Report

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ARCO #2111 1156 DAVIS SAN LEANDRO, CA 94577	**Regional Board - Case #: 01-1903** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0000494** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
6330172121	Monthly System Sampling 0307	Q1 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	4/25/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	4
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
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%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y

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

APPENDIX C

STRATUS REMEDIATION SYSTEM OPERATION AND MAINTENANCE DATA PACKAGES (INCLUDES FIELD DATA SHEETS, LABORATORY REPORTS, AND CHAIN-OF-CUSTODY DOCUMENTATION)

STRATUS ENVIRONMENTAL, INC.

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

March 5, 2007
Project No.: E2111-03

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

Re: Remediation System Operation and Maintenance Data Package, ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California (Field activities performed on January 2, 17, 29, 30, and 31, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes and Kiran Nagaraju / Jay Johnson

Phone Number: (530) 676-6007 / (530) 676-6000

On-Site Supplier Representatives: Chris Hill and Kiran Nagaraju

System Overview: Dual Phase Extraction System, Air Stripper, and Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

Scope of Work Performed: Conduct system start-up operations, routine operation and maintenance, and record field measurements. Influent, mid-fluent, and effluent air and water samples (see Figure 1) were collected at the system start-up on January 29, 2007. In addition, in accordance with the Bay Area Air Quality Management District (BAAQMD) permit requirements, influent water samples to the air-stripper were collected on January 30, 2007 and January 31, 2007.

Variations from Work Scope: In accordance with BAAQMD permit requirements, daily site visits were conducted between January 29, 2007 and February 2, 2007 to measure and record the petroleum hydrocarbon concentrations in the effluent air. On February 1, 2007, Stratus requested BAAQMD to reduce the monitoring frequency from a daily basis to a bi-monthly basis, which was subsequently approved on the same day by Robert Cave at the BAAQMD.

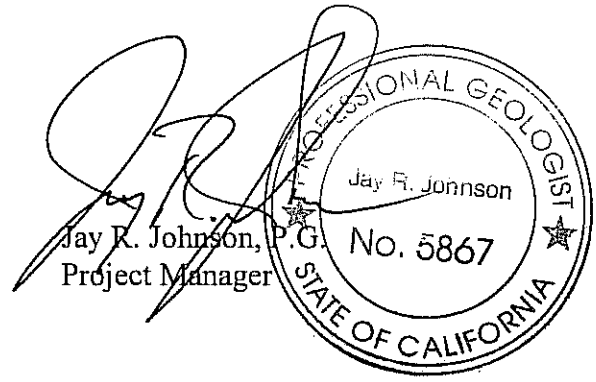
The attachments include field data sheets, chain of custody documentation and the certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does 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.

Kiran Nagaraju
Staff Engineer

Jay R. Johnson, P.G.
Project Manager



Attachments:

- Field Data Sheets
- Chain of Custody Documentation
- Certified Analytical Results

CC: Paul Supple, BP/ARCO

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 1-2-07
Onsite Time: 0915
Offsite Time: 0945
Equipment Manufacturer/Model#

Technician: CHILE
Weather Conditions: Clear
Ambient Temperature: 50

Check To see if system had start

System Information				
System Status Upon Arrival:	Operational ☐	Non-Operational ☒		
System Status Upon Departure:	Operational ☐	Non-Operational ☒		
Electric Meter Reading:		Chart Recorder Paper Replaced	☐ Yes ☐ No	
Hour Meter Reading:				
Natural Gas Meter Reading:		PID Calibration Date:		
Totalizer Reading on DPE Unit:		Oxidizer Temperature:		

System still Not operating Right When stop Button push System stop But when Button Is Pull Back on System stay Back up.

Field Measurements					
Parameter	Influent (after blower)	Air Stripper	System Influent (before oxidizer)	Stack Air Flow	Comments
Differential Pressure, "wc					
Air Velocity, FPM					
Pipe Diameter, inches					
Air Flow Rate, cfm					
Applied Vacuum, "wc			NA	NA	
Temperature, deg F					
PID Readings, ppmv					

DTE
MW-2 14.7
No Problem
Heavy Steam

Other Readings/Measurements					
Well ID	% Open	PID	Well ID	% Open	PID

Signature: [signature]
Date: 1-2-06

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 1-17-07
Onsite Time: 0700
Offsite Time: 1000
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Cold
Ambient Temperature: 40

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☐ Non-Operational ☒
Electric Meter Reading: 01616
Hour Meter Reading: 00013.0
Natural Gas Meter Reading: N/A
Chart Recorder Paper Replaced N/A ☒ Yes ☐ No
PID Calibration Date: ____
Totalizer Reading on DPE Unit: Air Stripper 0004180
~~Oxidizer Temperature~~ Carbon: N/A
2 EA 2000 lb Carbons

Field Measurements

Parameter	Influent (after blower)	Air Stripper	System Influent (before oxidizer)	Stack Air Flow	Comments
Differential Pressure, "wc					
Air Velocity, FPM					
Pipe Diameter, inches	4	4	N/A	3"	
Air Flow Rate, cfm					
Applied Vacuum, "wc			NA	NA	
Temperature, deg F					
PID Readings, ppmv					

Other Readings/Measurements

Well ID	% Open	PID	Well ID	% Open	PID

Signature: [signature]
Date: 1-17-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111AINF			
02111ASTP			
02111AEFF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes
Install (Cornerstone) Reset Switch on Emerg. Shut Down - New Emerg. switch shuts Down System But will Not Restart when Pulled Back out - Need To Push Reset Button -

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	INF, ASTP, & EFF	EPA Method 8015
BTEX	Monthly	INF, ASTP, & EFF	EPA Method 8260B
MTBE	Monthly	INF, ASTP, & EFF	EPA Method 8260B

Signature: _____ Date: 1-17-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 1-17-07
Onsite Time: 0700
Offsite Time: 1005

Technician: CHILL
Weather Conditions: Cold
Ambient Temperature 47

System Status Upon Arrival: ☐ Operational ☒ Non-operational
System Status At Departure: ☐ Operational ☒ Non-operational
(System Ready To Start)

LEL Sensor N/A ☐ Active ☐ Inactive

LEL Sensor Calibration Date: N/A

Transfer Pump: ☐ Operational ☐ Non-operational

Transfer Pump Hour Meter Reading: _____

Discharge Flow Totalizer Reading: 00003

No. of Carbon Vessels: 2 2000 lbs

Lead Carbon Vessel Pressure (psi): _____

Air Stripper

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH: _____
Temperature: _____

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111WINF			
02111WGAC1			
02111WGAC2			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B
TTO ???	Quarterly	EFF	EPA Method 624/625

Signature: [signature] Date: 1-17-07

DTP PTW
MW-2 - 15.02 Sheen Bail 1 Gal

Aqua-Pure AP802 1800 222-7880
Replace Cart. AP810-2, AP811-2, AP814-2, AP815-2

Oil Liquid Ring

Signs Hard Hat No Smoke

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 1/29/07
Onsite Time: 0615 hrs
Offsite Time: 1200 hrs
Equipment Manufacturer/Model#

Technician: Chill / Kiran
Weather Conditions: Cold & Clear
Ambient Temperature: ≈ 60°F

System Information

System Status Upon Arrival:	Operational	☐	Non-Operational	☒
System Status Upon Departure:	Operational	☒	Non-Operational	☐

Electric Meter Reading:
Start-up @ 0800 hrs
Hour Meter Reading: 13.6
Totalizer Reading Prior to Air Stripper: NA
PID Calibration Date: 1/26/07
Totalizer Reading After Air Stripper: 4300

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc					
Air Velocity, FPM	1305	1996			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			198		
Applied Vacuum, "wc	21" Hg	22" WC	NA	NA	
Temperature, deg F	160	102	106.5	58	
PID Readings, ppmv	431	151	47	0	PID for GAC-1: 84 ppmv

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs	Depth to water, feet bgs	Well dia., "	
V-1	1/4	6	18.9	18	15.55	4	
V-2		12	19	18.5	15.06	4	
V-3		15	19.3	19	14.76	4	
MW-1		15	26	25.5	17.0	4	
MW-3		18	26.2	25.7	16.18	4	
MW-7		18	26	26	15.35	4	
MW-8		5	39	25.4	15.82	2	

Signature: Kiran Nagaraja
Date: 1/29/07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF	1/29/07 0915	02111AGAC1	1/29/07 0910
02111ASAEFF	1/29/07 0917	02111AEFF	1/29/07 0909
02111ASYSINF	1/29/07 0913		
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes
MW-8 → Just air flow

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: Kiran Nagaraj Date: 1/29/07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 1/29/07
Onsite Time: 0615
Offsite Time: 1200

Technician: Chill / Kiran
Weather Conditions: cold & clear
Ambient Temperature ≈ 60°F

System Status Upon Arrival: ☐ Operational ☒ Non-operational Start-up @ 08 00hrs
System Status At Departure: ☒ Operational ☐ Non-operational
Transfer Pump: ☒ Operational ☐ Non-operational

Transfer Pump Hour Meter Reading: NA
Effluent Flow Totalizer Reading: 3000 upon arrival 5000 @ departure
No. of Carbon Vessels: 2 – 2,000lb
Lead Carbon Vessel Pressure (psi): 0

Effluent Water Characteristics
(Quarterly by Field Instrument)

pH:	7.80
Temperature:	14.8

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	DTW @ startup
MW-2	NA	542 prior to startup			15.12
		1800 @ departure			

Sampling Information

Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	1/29/07 0920	02111MW2WINF	1/29/07 1015
02111ASWINF	0925		
02111ASWEFF	0940		
02111WGAC1	1000		
02111WEFF	0915		

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes: MW-2 shut down @ departure. Not re-setting at panel. Need to evaluate plants or controller for the submersible pump.

Signature: Kiran Nagaraja Date: 1/29/07

STATUS
ENVIRONMENTAL, INC.

Site Address: Drugs
City SAW Laundry
Sampled By Kim/Chile

ORIGINAL

Site Number: Arco 2111
Project No. E2111
Project PM JAK
Date Sampled 1-25-07

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-2	0830	15.12			Pump Intake												
MW-8		15.82		39	Stinger	2"	Length	25.7		Flat Cut							
MW-3		16.18		26.20	"	4"	1:1	25.7	C	Cut Angle - Holes							
MW-6					Stinger Length			19'	Cut Angle - Holes								
V-3		14.76		19.3		4"											
MW-7		15.35		26		4"	Stinger	26'		Cut - Angle - Holes							
V-2		15.06		19		4"	Stinger	18.5		Cut Angle - Holes							
V-1		15.55		18.4		4"	Stinger	18'		Cut - Angle - Holes							
MW-1		17.0		26		4"	Stinger	25.5		Cut Angle - Holes							

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

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

ORIGINAL

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 1/30/07
Onsite Time: 0445
Offsite Time: 0600
Equipment Manufacturer/Model#

Technician: Chill
Weather Conditions: Clear
Ambient Temperature: 40

System Information

System Status Upon Arrival:	Operational	X	Non-Operational	
System Status Upon Departure:	Operational	X	Non-Operational	

Electric Meter Reading: 1063
Hour Meter Reading: 33.8
Totalizer Reading Prior to Air Stripper: NA
PID Calibration Date: 1/26/07
Totalizer Reading After Air Stripper: 6730

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc					
Air Velocity, FPM	1102	2209			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			200		
Applied Vacuum, "wc	21		NA	NA	
Temperature, deg F	151	98	70	56	
PID Readings, ppmv	67	7	23	ϕ	PID for GAC-1: 3 ppmV

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	1/4	4					
V-2	1/4	15					
V-3	1/4	14					
MW-1	100	16					
MW-3	1/4	X8					
MW-7	1/4	18					
MW-8	1/4	ϕ					

Signature: [signature]
Date: 1-31-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	1/30/7 0508
02111ASAEFF		02111AEFF	
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 1·3007

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 1/30/07
Onsite Time:
Offsite Time:

Technician: Chill
Weather Conditions: Clear
Ambient Temperature 40

System Status Upon Arrival: [X] Operational [ ] Non-operational
System Status At Departure: [X] Operational [ ] Non-operational
Transfer Pump: [X] Operational [ ] Non-operational

Transfer Pump Hour Meter Reading: NA

Effluent Flow Totalizer Reading: 6200

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 0

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH:
Temperature:

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2	NA	1800	Pump off		

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF		02111MW2WINF	
02111ASWINF	1/30/07 0525		
02111ASWEFF			
02111WGAC1			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes:

Signature: [signature]
Date: 1/30/07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 1/31/07
Onsite Time: 0530
Offsite Time: 0900
Equipment Manufacturer/Model#

Technician: Chill
Weather Conditions: Cloudy
Ambient Temperature: ~ 45

System Information

System Status Upon Arrival:	Operational	X	Non-Operational	
System Status Upon Departure:	Operational		Non-Operational	
Electric Meter Reading:	1630			
Hour Meter Reading:	60.3			
Totalizer Reading Prior to Air Stripper:	NA	PID Calibration Date:	1/31/7	
Totalizer Reading After Air Stripper:	9080			

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc					
Air Velocity, FPM	1004	2179			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			210		
Applied Vacuum, "wc	22"Hg		NA	NA	
Temperature, deg F	159	105	100	83	
PID Readings, ppmv	110	76	79.5	0	PID for GAC-1: 1ppmv

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1		5					
V-2		14					
V-3		15					
MW-1		16					
MW-3		14					
MW-7		18					
MW-8		0					

Signature:

Date: 1/31/7

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	
02111ASAEFF		02111AEFF	
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 1/31/7

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date:	1/31/7	Technician:	Chill
Onsite Time:	0530	Weather Conditions:	Cloudy
Offsite Time:	0900	Ambient Temperature	45

System Status Upon Arrival: [X] Operational [ ] Non-operational

System Status At Departure: [X] Operational [ ] Non-operational

Transfer Pump: [X] Operational [ ] Non-operational

Transfer Pump Hour Meter Reading: NA

Effluent Flow Totalizer Reading: 8560

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 0

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH:
Temperature:

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2	NA	1800	27'	25'	off

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF		02111MW2WINF	
02111ASWINF	1/31/07 0745		
02111ASWEFF			
02111WGAC1			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes:

Signature: [signature] Date: 1/31/7

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 1-31-07
Onsite Time: 0930
Offsite Time: 0900
Equipment Manufacturer/Model# Anemometer
PID

Technician: CHCL
Weather Conditions: Clear
Ambient Temperature: 45

System Information

System Status Upon Arrival:	Operational	☒	Non-Operational	☐
System Status Upon Departure:	Operational	☐	Non-Operational	☐

Electric Meter Reading: 01630
Hour Meter Reading: 60.3
Totalizer Reading on DPE Unit: NA
PID Calibration Date: 1-31-07
Effluent Water Totalizer Reading: 8560
Totalizer Reading on Air Stripper: 9080

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc					
Air Velocity, FPM	1004/1594	2179/105		5715/83	
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			210		
Applied Vacuum, "~~wc~~	22"Hg		NA	NA	
Pressure, psi	0	0	0	0	
Temperature, deg F	159	106	100	83	
PID Readings, ppmv	110	76	~~89.5~~	0	GAC-1.0

Other Readings/Measurements

Well ID	% Open	PID	Total depth, feet bgs	Stinger Depth, feet bgs	VAC		
V-1		H2O			5" Hg		
V-2					14" Hg		
V-3					15" Hg		
MW-1					16" Hg		
MW-3					14" Hg		
MW-7					18" Hg		
MW-8					0		

Signature: [signature]
Date: 1-31-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 1-31-07
Onsite Time: 0530
Offsite Time: 0900

Technician: CHILL
Weather Conditions: Clouds
Ambient Temperature 45°

System Status Upon Arrival: [X] Operational [ ] Non-operational

System Status At Departure: [X] Operational [ ] Non-operational

Transfer Pump: [X] Operational [ ] Non-operational

Transfer Pump Hour Meter Reading: NA

Discharge Flow Totalizer Reading: 8560

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 0

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH:
Temperature:

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2	NA	1800	27'	25'	
MW-8					

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF		02111MW2WINF	
02111ASWINF	1-31-07 0747		
02111ASWEFF	~~1-31-07 0755~~		
02111WGAC1			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes:

Signature: [signature] Date: 1-31-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	
02111ASAEFF		02111AEFF	
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes

MW-2 25' Bottom Pump
3" Grundfos 27' DTB
15.20 DTW

Start Sensor 12' From Top Pump
Stop " 6' From " "
3rd Sensor 8" From Top Pump

Air stripper Pump 15 GPM Cycling

Cut 45' off Stinger for MW-1 To Make It suck H2O

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 1-31-07

Atlantic Richfield Company
bp
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ORIGINAL

Page 1 of 1

Chain of Custody Record

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): See comments

On-site Time:	0615	Temp:	60's ≤ 65°F
Off-site Time:	1200	Temp:	70°F
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, ~~Sacramento~~ SAN LEANDRO	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28 – 0023	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@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: GRO	Requested Analysis: BTEX	Requested Analysis: 5-Oxygenates	Sample Point Lat/Long and Comments
1	02111DPEWINF	0920	1/29/07		x		01							x	x	x	WATER
2	02111ASWINF	0925	1/29/07		x		02							x	x	x	Please analyze ~~for~~ samples 02111ASWINF and 02111WEFF on a 24-hour TAT. Five oxygenates requested are MTBE, TBA, DIPE, ETBE, and TAME.
3	02111ASWEFF	0940	1/29/07		x		03							x	x	x	
4	02111WGAC1	1000	1/29/07		x		04							x	x	x	
5	02111WEFF	0915	1/29/07		x		05							x	x	x	
6	02111MW2WINF	1015	1/29/07		x		06							x	x	x	
7																	
8																	
9																	
10																	

Sampler's Name: KIRAN NAGARAJU	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: STRATUS ENVIRONMENTAL, INC.	Kiran Nagaraju	1/29/7				
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 4.0 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes (No)

ORIGINAL

Page 1 of 1

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): See Comments

On-site Time:	0615	Temp:	≈ 65° F
Off-site Time:	1200	Temp:	≈70° F
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, ~~Sacramento~~ SAN LEANDRO	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28 - 0023	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No. (HGA1045)	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: MTBE	Sample Point Lat/Long and Comments
1	02111DPEAINF	0920	1/29/07			x	01							x	x	x	
2	02111ASAEFF	0925	1/29/07			x	02							x	x	x	Please analyze air samples 02111ASYSINF and 02111AEFF on a 24-hour TAT & also 02111AGAC1
3	02111ASYSINF	0940	1/29/07			x	03							x	x	x	
4	02111AGAC1	1000	1/29/07			x	04							x	x	x	
5	02111AEFF	1015	1/29/07			x	05							x	x	x	
6																	
7																	
8																	
9																	
10																	

Sampler's Name: KIRAN NAGALAJU	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: STRATUS ENVIRONMENTAL	Kiran Nagaraju	1/29/07	134	[signature]	1/29/07	13:3
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

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

Atlantic Richfield Company

bp A BP affiliated company

Chain of Custody Record

ORIGINAL

Page 1 of 1

Project Name: Arco 2111
BP BU/AR Region/Enfos Segment: BP America's West Retail
State or Lead Regulatory Agency: RWQCB3 - SAN Fran
Requested Due Date (mm/dd/yy): 24 HR TAT

On-site Time: 0445 Temp:
Off-site Time: 0600 Temp:
Sky Conditions:
Meteorological Events:
Wind Speed: Direction:

Lab Name: Test America
Address: 885 Jarvis Drive
Morgan Hill CA 95937
Lab PM: Lisa Race
Tele/Fax: 408 782 8156
BP/AR EBM: Paul Supple
Address: 2010 Crow Canyon Place #150
San Ramon
Tele/Fax: 925 275 3506

BP/AR Facility No.: 2111
BP/AR Facility Address: 1156 Davis St San Leandro
Site Lat/Long:
California Global ID No.: T0600101764
Enfos Project No.: G0C28
Provision or OOC (circle one)
Phase/WBS: 03-01M
Sub Phase/Task: 03 LAB
Cost Element: 01

Consultant/Contractor: Stantec
Address: 3330 Cameron Park Dr
Cameron Pk CA 95682
Consultant/Contractor Project No.: E2111
Consultant/Contractor PM: JAH
Tele/Fax: 530 676 6004
Report Type & QC Level: 1 - EDF
E-mail EDD To: CJewitt@StantecInc.net
Invoice to: Consultant or BP or Atlantic Richfield Co (circle one)

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: MTBE	Sample Point Lat/Long and Comments
1	B2111 AGAC 1	0503	130007			X		1						X	X	X	24 HR TAT
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	2.7 °C

Sampler's Name: Chris Hill
Sampler's Company: Stantec
Shipment Date: 1-30-07
Shipment Method: Stantec
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Stantec	130007	1001		1/30/07	1001

Special Instructions: CC Results Kmiller@BrownAndCaldwell.com

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

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time: 0530 Temp: 45
Off-site Time: 0900 Temp: 50
Sky Conditions: Clear
Meteorological Events:
Wind Speed: Direction:

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, San Leandro	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@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: 8260 BTEX	Requested Analysis: 5 oxys	Sample Point Lat/Long and Comments
1	0211 ASW INF	0745	13107		X			6				X		X	X	5 oxys
2																TBA, ETBE MTBE
3																TAME DIPE
4																
5																
6																
7																
8																
9																
10																

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Chris Hill						
Sampler's Company: Stratus	Stratus	13107	1230	TA SAC 4°C	1/3/07	1230
Shipment Date: 1-31-07						
Shipment Method: Stratus						
Shipment Tracking No:						

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

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

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	0530	Temp:	45
Off-site Time:	0900	Temp:	50
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, San Leandro	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@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: G20 BTX	Requested Analysis: 5 oxys	Sample Point Lat/Long and Comments
1	0211 ASWINF	0745	13107		X			6				X		X	X	5 oxys
2																TBA, ETBE, MTBE
3																TAME DIPE
4																
5																
6																
7																
8																
9																
10																

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stratus	Stratus	13107	1230	TA SC 4°C	1/31/07	1230
Shipment Date: 1-31-07						
Shipment Method: Stratus						
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

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12 February, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQA1045

Enclosed are the results of analyses for samples received by the laboratory on 01/29/07 13:35. 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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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1045
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/12/07 14:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQA1045-01	Vapor	01/29/07 09:20	01/29/07 13:35
02111ASAEFF	MQA1045-02	Vapor	01/29/07 09:25	01/29/07 13:35
02111ASYSINF	MQA1045-03	Vapor	01/29/07 09:40	01/29/07 13:35
02111AGAC1	MQA1045-04	Vapor	01/29/07 10:00	01/29/07 13:35
02111AEFF	MQA1045-05	Vapor	01/29/07 10:15	01/29/07 13:35

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 no custody seals.

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1045
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/12/07 14:41

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQA1045-01) Vapor Sampled: 01/29/07 09:20 Received: 01/29/07 13:35									
Gasoline Range Organics (C4-C12)	**340**	100	mg/m³ Air	10	7A31011	01/31/07	01/31/07 18:12	EPA 8015B/8021B	
Benzene	**9.7**	1.0	"	"	"	"	"	"	PI
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**58**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**98**	24	ppmv	10	"	"	"	"	
Benzene	**3.1**	0.31	"	"	"	"	"	"	PI
Toluene	ND	0.27	"	"	"	"	"	"	
Ethylbenzene	ND	0.23	"	"	"	"	"	"	
Xylenes (total)	ND	0.47	"	"	"	"	"	"	
Methyl tert-butyl ether	**16**	1.4	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-125*		"	"	"	"	
02111ASAEFF (MQA1045-02) Vapor Sampled: 01/29/07 09:25 Received: 01/29/07 13:35									
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7A31011	01/31/07	01/31/07 16:39	EPA 8015B/8021B	
Benzene	**0.19**	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	**0.10**	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.1**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	**0.060**	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	**0.024**	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.4**	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1045
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/12/07 14:41

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASYSINF (MQA1045-03) Vapor Sampled: 01/29/07 09:40 Received: 01/29/07 13:35									
Gasoline Range Organics (C4-C12)	77	50	mg/m³ Air	5	7A31011	01/31/07	01/31/07 10:55	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	9.4	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	22	12	ppmv	5	"	"	"	"	
Benzene	ND	0.16	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	ND	0.24	"	"	"	"	"	"	
Methyl tert-butyl ether	2.6	0.69	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
02111AGAC1 (MQA1045-04) Vapor Sampled: 01/29/07 10:00 Received: 01/29/07 13:35									
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7A31011	01/31/07	01/31/07 10:26	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1045
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/12/07 14:41

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AEFF (MQA1045-05) Vapor	**Sampled: 01/29/07 10:15**	**Received: 01/29/07 13:35**							
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7A31011	01/31/07	01/31/07 11:40	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1045
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/12/07 14:41

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7A31011 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7A31011-BLK1)				Prepared & Analyzed: 01/31/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	12	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Toluene	ND	0.50	mg/m³ Air							
Toluene	ND	0.13	ppmv							
Ethylbenzene	ND	0.50	mg/m³ Air							
Ethylbenzene	ND	0.12	ppmv							
Xylenes (total)	ND	1.0	mg/m³ Air							
Xylenes (total)	ND	0.24	ppmv							
Methyl tert-butyl ether	ND	2.5	mg/m³ Air							
Methyl tert-butyl ether	ND	0.69	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*39.4*		*mg/m³ Air*	*40.0*		*98*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.60*		*ppmv*	*6.70*		*99*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*40.2*		*mg/m³ Air*	*40.0*		*100*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.63*		*ppmv*	*5.59*		*101*	*70-125*			
Laboratory Control Sample (7A31011-BS1)				Prepared & Analyzed: 01/31/07						
Gasoline Range Organics (C4-C12)	240	50	mg/m³ Air	275		87	70-115			
Gasoline Range Organics (C4-C12)	68.2	12	ppmv	78.0		87	70-115			
Benzene	4.74	0.50	mg/m³ Air	4.85		98	80-150			
Benzene	1.49	0.16	ppmv	1.52		98	80-150			
Toluene	21.6	0.50	mg/m³ Air	23.5		92	75-125			
Toluene	5.73	0.13	ppmv	6.25		92	75-125			
Ethylbenzene	4.04	0.50	mg/m³ Air	4.70		86	75-135			
Ethylbenzene	0.933	0.12	ppmv	1.08		86	75-135			
Xylenes (total)	25.2	1.0	mg/m³ Air	26.5		95	75-135			
Xylenes (total)	5.81	0.24	ppmv	6.12		95	75-135			
Methyl tert-butyl ether	4.84	2.5	mg/m³ Air	6.50		74	60-140			
Methyl tert-butyl ether	1.35	0.69	ppmv	1.81		75	60-140			
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*mg/m³ Air*	*40.0*		*119*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*7.99*		*ppmv*	*6.70*		*119*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*40.9*		*mg/m³ Air*	*40.0*		*102*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.72*		*ppmv*	*5.59*		*102*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1045
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/12/07 14:41

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7A31011 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample Dup (7A31011-BSD1)				Prepared & Analyzed: 01/31/07						
Gasoline Range Organics (C4-C12)	237	50	mg/m³ Air	275		86	70-115	1	35	
Gasoline Range Organics (C4-C12)	67.3	12	ppmv	78.0		86	70-115	1	35	
Benzene	4.45	0.50	mg/m³ Air	4.85		92	80-150	6	35	
Benzene	1.40	0.16	ppmv	1.52		92	80-150	6	35	
Toluene	5.60	0.13	"	6.25		90	75-125	2	30	
Toluene	21.1	0.50	mg/m³ Air	23.5		90	75-125	2	30	
Ethylbenzene	3.90	0.50	"	4.70		83	75-135	4	30	
Ethylbenzene	0.900	0.12	ppmv	1.08		83	75-135	4	30	
Xylenes (total)	24.5	1.0	mg/m³ Air	26.5		92	75-135	3	30	
Xylenes (total)	5.65	0.24	ppmv	6.12		92	75-135	3	30	
Methyl tert-butyl ether	4.81	2.5	mg/m³ Air	6.50		74	60-140	0.6	30	
Methyl tert-butyl ether	1.34	0.69	ppmv	1.81		74	60-140	0.7	30	
Surrogate: a,a,a-Trifluorotoluene	*46.7*		*mg/m³ Air*	*40.0*		*117*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*7.82*		*ppmv*	*6.70*		*117*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*41.3*		*mg/m³ Air*	*40.0*		*103*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.77*		*ppmv*	*5.59*		*103*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1045
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/12/07 14:41

Notes and Definitions

PI	Primary and confirm results varied by > than 40% RPD
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

REVISED 1/30/07

Page 1 of 1

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): See Comments

On-site Time:	0615	Temp:	≈ 65°F
Off-site Time:	1200	Temp:	≈70°F
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, ~~Sacramento~~ SAN LEANDRO	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28 - 0023	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@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. (H6A1045)	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: MTBE	Sample Point Lat/Long and Comments
1	02111DPEAINF	0920	1/29/07			x	01							x	x	x	
2	02111ASAEFF	0925	1/29/07			x	02							x	x	x	Please analyze air samples 02111ASYSINF and 02111AEFF on a 24-hour TAT & also 02111AGAC1
3	02111ASYSINF	0940	1/29/07			x	03							x	x	x	
4	02111AGAC1	1000	1/29/07			x	04							x	x	x	
5	02111AEFF	1015	1/29/07			x	05							x	x	x	
6																	
7																	
8																	
9																	
10																	

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	KIRAN NAGARAJU	Kiran Nagaraju	1/29/07	134	[signature]	1/29/07	13:3
Sampler's Company:	STRATUS ENVIRONMENTAL						
Shipment Date:							
Shipment Method:							
Shipment Tracking No:							

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

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

BP COC Rev. 5 10/11/2006

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): See Comments

On-site Time:	0615	Temp:	≈ 65° F
Off-site Time:	1200	Temp:	≈ 70° F
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, Sacramento	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@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. (MQA1045)	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: MTBE	Sample Point Lat/Long and Comments
1	02111DPEAINF	0920	1/29/07			x	01							x	x	x	
2	02111ASAEFF	0925	1/29/07			x	02							x	x	x	Please analyze air samples 02111ASYSINF and 02111AEFF on a 24-hour TAT & also 02111AGAC1
3	02111ASYSINF	0940	1/29/07			x	03							x	x	x	
4	02111AGAC1	1000	1/29/07			x	04							x	x	x	
5	02111AEFF	1015	1/29/07			x	01							x	x	x	
6																	
7																	
8																	
9																	
10																	

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	KIRAN NAGARAJU	Kiran Nagaraju	1/29/07	134	[signature]	1/29/07	13:35
Sampler's Company:	STRATUS ENVIRONMENTAL						
Shipment Date:							
Shipment Method:							
Shipment Tracking No:							

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

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO 2111
REC. BY (PRINT): [signature]
WORKORDER: 710[illegible]

DATE REC'D AT LAB: 1/29/07
TIME REC'D AT LAB: 13:35
DATE LOGGED IN: 1-29-07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: Present / (Absent)								
4. Airbill: Airbill / Sticker (Present) / Absent								
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time? (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper preservatives used? (Yes) / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No)								
14. Read Temp: ~~6.0~~								
Corrected Temp: 6.0								
Is corrected temp 4 +/-2°C? (Yes) / No**								
(Acceptance range for samples requiring thermal pres.)								
**Exception (if any): METALS / DFF ON ICE or Problem COC								

1/29/07

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

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13 February, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQA1043

Enclosed are the results of analyses for samples received by the laboratory on 01/29/07 13:35. 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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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEWINF	MQA1043-01	Water	01/29/07 09:20	01/29/07 13:35
02111ASWINF	MQA1043-02	Water	01/29/07 09:25	01/29/07 13:35
02111ASWEFF	MQA1043-03	Water	01/29/07 09:40	01/29/07 13:35
02111WGAC1	MQA1043-04	Water	01/29/07 10:00	01/29/07 13:35
02111WEFF	MQA1043-05	Water	01/29/07 09:15	01/29/07 13:35
02111MW2WINF	MQA1043-06	Water	01/29/07 10:15	01/29/07 13:35

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 no custody seals.

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQA1043-01) Water	**Sampled: 01/29/07 09:20**		**Received: 01/29/07 13:35**						
Gasoline Range Organics (C4-C12)	**480**	250	ug/l	5	7B06022	02/06/07	02/07/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-145*		"	"	"	"	
02111ASWINF (MQA1043-02) Water	**Sampled: 01/29/07 09:25**		**Received: 01/29/07 13:35**						
Gasoline Range Organics (C4-C12)	**2000**	1200	ug/l	25	7A30003	01/30/07	01/30/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-145*		"	"	"	"	
02111ASWEFF (MQA1043-03) Water	**Sampled: 01/29/07 09:40**		**Received: 01/29/07 13:35**						
Gasoline Range Organics (C4-C12)	**92**	50	ug/l	1	7B03008	02/03/07	02/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-145*		"	"	"	"	
02111WGAC1 (MQA1043-04) Water	**Sampled: 01/29/07 10:00**		**Received: 01/29/07 13:35**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B03008	02/03/07	02/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-145*		"	"	"	"	
02111WEFF (MQA1043-05) Water	**Sampled: 01/29/07 09:15**		**Received: 01/29/07 13:35**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A30003	01/30/07	01/30/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
02111MW2WINF (MQA1043-06) Water	**Sampled: 01/29/07 10:15**		**Received: 01/29/07 13:35**						
Gasoline Range Organics (C4-C12)	**930**	500	ug/l	10	7B03008	02/03/07	02/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*60-145*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQA1043-01) Water	**Sampled: 01/29/07 09:20**		**Received: 01/29/07 13:35**						
tert-Amyl methyl ether	ND	5.0	ug/l	10	7B03008	02/03/07	02/03/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**4600**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**720**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*86 %*	*70-130*		"	"	"	"	
02111ASWINF (MQA1043-02) Water	**Sampled: 01/29/07 09:25**		**Received: 01/29/07 13:35**						
tert-Amyl methyl ether	ND	12	ug/l	25	7A30003	01/30/07	01/30/07	EPA 8260B	
Benzene	**35**	12	"	"	"	"	"	"	
tert-Butyl alcohol	**1800**	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	12	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	12	"	"	"	"	"	"	
Ethylbenzene	**23**	12	"	"	"	"	"	"	
Methyl tert-butyl ether	**1300**	12	"	"	"	"	"	"	
Toluene	ND	12	"	"	"	"	"	"	
Xylenes (total)	**14**	12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*70-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWEFF (MQA1043-03) Water	**Sampled: 01/29/07 09:40**		**Received: 01/29/07 13:35**						
tert-Amyl methyl ether	ND	0.50	ug/l	1	7B03008	02/03/07	02/03/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**1900**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**150**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*70-130*		"	"	"	"	
02111WGAC1 (MQA1043-04) Water	**Sampled: 01/29/07 10:00**		**Received: 01/29/07 13:35**						
tert-Amyl methyl ether	ND	0.50	ug/l	1	7B03008	02/03/07	02/03/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
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: 1,2-Dichloroethane-d4		*96 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*70-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WEFF (MQA1043-05) Water	**Sampled: 01/29/07 09:15**		**Received: 01/29/07 13:35**						
tert-Amyl methyl ether	ND	0.50	ug/l	1	7A30003	01/30/07	01/30/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
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: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*70-130*		"	"	"	"	
02111MW2WINF (MQA1043-06) Water	**Sampled: 01/29/07 10:15**		**Received: 01/29/07 13:35**						
tert-Amyl methyl ether	ND	5.0	ug/l	10	7B03008	02/03/07	02/03/07	EPA 8260B	
Benzene	**41**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1500**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**27**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1300**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**10**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*74 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*70-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

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 7A30003 - EPA 5030B P/T / LUFT GCMS										
Blank (7A30003-BLK1)				Prepared & Analyzed: 01/30/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.40*		"	*2.50*		*96*	*60-145*			
Laboratory Control Sample (7A30003-BS2)				Prepared & Analyzed: 01/30/07						
Gasoline Range Organics (C4-C12)	494	50	ug/l	500		99	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.33*		"	*2.50*		*93*	*60-145*			
Laboratory Control Sample Dup (7A30003-BSD2)				Prepared & Analyzed: 01/30/07						
Gasoline Range Organics (C4-C12)	522	50	ug/l	500		104	75-140	6	20	
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-145*			
Batch 7B03008 - EPA 5030B P/T / LUFT GCMS										
Blank (7B03008-BLK1)				Prepared & Analyzed: 02/03/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*60-145*			
Laboratory Control Sample (7B03008-BS2)				Prepared & Analyzed: 02/03/07						
Gasoline Range Organics (C4-C12)	528	50	ug/l	500		106	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-145*			
Laboratory Control Sample Dup (7B03008-BSD2)				Prepared & Analyzed: 02/03/07						
Gasoline Range Organics (C4-C12)	501	50	ug/l	500		100	75-140	5	20	
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*60-145*			
Batch 7B06022 - EPA 5030B P/T / LUFT GCMS										
Blank (7B06022-BLK1)				Prepared: 02/06/07 Analyzed: 02/07/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-145*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

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 7B06022 - EPA 5030B P/T / LUFT GCMS										
Laboratory Control Sample (7B06022-BS1)				Prepared & Analyzed: 02/06/07						
Gasoline Range Organics (C4-C12)	545	50	ug/l	500		109	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.39*		"	*2.50*		*96*	*60-145*			
Matrix Spike (7B06022-MS1)	**Source: MQA1023-02**			Prepared: 02/06/07		Analyzed: 02/07/07				
Gasoline Range Organics (C4-C12)	1230	50	ug/l	500	780	90	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-145*			
Matrix Spike Dup (7B06022-MSD1)	**Source: MQA1023-02**			Prepared: 02/06/07		Analyzed: 02/07/07				
Gasoline Range Organics (C4-C12)	1280	50	ug/l	500	780	100	75-140	4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.60*		"	*2.50*		*104*	*60-145*			

TestAmerica
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885 Jarvis Drive
Morgan Hill, CA 95037
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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

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 7A30003 - EPA 5030B P/T / EPA 8260B										
Blank (7A30003-BLK1)				Prepared & Analyzed: 01/30/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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: 1,2-Dichloroethane-d4	*2.40*		"	*2.50*		*96*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.13*		"	*2.50*		*85*	*60-120*			
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-130*			
Surrogate: Toluene-d8	*2.44*		"	*2.50*		*98*	*70-130*			
Laboratory Control Sample (7A30003-BS1)				Prepared & Analyzed: 01/30/07						
tert-Amyl methyl ether	8.35	0.50	ug/l	10.0		84	65-135			
Benzene	9.07	0.50	"	10.0		91	70-125			
tert-Butyl alcohol	190	20	"	200		95	60-135			
Di-isopropyl ether	8.76	0.50	"	10.0		88	70-130			
Ethyl tert-butyl ether	8.45	0.50	"	10.0		84	65-130			
Ethylbenzene	9.76	0.50	"	10.0		98	70-130			
Methyl tert-butyl ether	7.83	0.50	"	10.0		78	50-140			
Toluene	9.46	0.50	"	10.0		95	70-120			
Xylenes (total)	30.1	0.50	"	30.0		100	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		"	*2.50*		*92*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.43*		"	*2.50*		*97*	*60-120*			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-130*			
Surrogate: Toluene-d8	*2.47*		"	*2.50*		*99*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

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 7A30003 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7A30003-MS1)	**Source: MQA0680-07**			Prepared & Analyzed: 01/30/07						
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0	ND	104	65-135			
Benzene	9.96	0.50	"	10.0	ND	100	70-125			
tert-Butyl alcohol	181	20	"	200	ND	90	60-135			
Di-isopropyl ether	9.67	0.50	"	10.0	ND	97	70-130			
Ethyl tert-butyl ether	9.98	0.50	"	10.0	ND	100	65-130			
Ethylbenzene	9.70	0.50	"	10.0	ND	97	70-130			
Methyl tert-butyl ether	9.04	0.50	"	10.0	ND	90	50-140			
Toluene	11.2	0.50	"	10.0	ND	112	70-120			
Xylenes (total)	29.4	0.50	"	30.0	ND	98	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.44*		"	*2.50*		*98*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.67*		"	*2.50*		*107*	*60-120*			
Surrogate: Dibromofluoromethane	*2.65*		"	*2.50*		*106*	*75-130*			
Surrogate: Toluene-d8	*2.77*		"	*2.50*		*111*	*70-130*			
Matrix Spike Dup (7A30003-MSD1)	**Source: MQA0680-07**			Prepared & Analyzed: 01/30/07						
tert-Amyl methyl ether	10.9	0.50	ug/l	10.0	ND	109	65-135	5	25	
Benzene	10.1	0.50	"	10.0	ND	101	70-125	1	15	
tert-Butyl alcohol	176	20	"	200	ND	88	60-135	3	35	
Di-isopropyl ether	10.0	0.50	"	10.0	ND	100	70-130	3	35	
Ethyl tert-butyl ether	10.3	0.50	"	10.0	ND	103	65-130	3	35	
Ethylbenzene	9.67	0.50	"	10.0	ND	97	70-130	0.3	15	
Methyl tert-butyl ether	9.66	0.50	"	10.0	ND	97	50-140	7	25	
Toluene	11.4	0.50	"	10.0	ND	114	70-120	2	15	
Xylenes (total)	30.3	0.50	"	30.0	ND	101	80-125	3	15	
Surrogate: 1,2-Dichloroethane-d4	*2.49*		"	*2.50*		*100*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.79*		"	*2.50*		*112*	*60-120*			
Surrogate: Dibromofluoromethane	*2.80*		"	*2.50*		*112*	*75-130*			
Surrogate: Toluene-d8	*2.70*		"	*2.50*		*108*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

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 7B03008 - EPA 5030B P/T / EPA 8260B										
Blank (7B03008-BLK1)				Prepared & Analyzed: 02/03/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.01*		"	*2.50*		*80*	*60-120*			
Surrogate: Dibromofluoromethane	*2.19*		"	*2.50*		*88*	*75-130*			
Surrogate: Toluene-d8	*2.25*		"	*2.50*		*90*	*70-130*			
Laboratory Control Sample (7B03008-BS1)				Prepared & Analyzed: 02/03/07						
tert-Amyl methyl ether	7.91	0.50	ug/l	10.0		79	65-135			
Benzene	8.18	0.50	"	10.0		82	70-125			
tert-Butyl alcohol	190	20	"	200		95	60-135			
Di-isopropyl ether	9.35	0.50	"	10.0		94	70-130			
Ethyl tert-butyl ether	8.73	0.50	"	10.0		87	65-130			
Ethylbenzene	8.64	0.50	"	10.0		86	70-130			
Methyl tert-butyl ether	8.04	0.50	"	10.0		80	50-140			
Toluene	8.35	0.50	"	10.0		84	70-120			
Xylenes (total)	27.8	0.50	"	30.0		93	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.40*		"	*2.50*		*96*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.39*		"	*2.50*		*96*	*60-120*			
Surrogate: Dibromofluoromethane	*2.41*		"	*2.50*		*96*	*75-130*			
Surrogate: Toluene-d8	*2.33*		"	*2.50*		*93*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

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 7B03008 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7B03008-MS1)	**Source: MQA1024-04**			Prepared & Analyzed: 02/03/07						
tert-Amyl methyl ether	8.21	0.50	ug/l	10.0	ND	82	65-135			
Benzene	7.86	0.50	"	10.0	ND	79	70-125			
tert-Butyl alcohol	216	20	"	200	ND	108	60-135			
Di-isopropyl ether	9.41	0.50	"	10.0	ND	94	70-130			
Ethyl tert-butyl ether	8.76	0.50	"	10.0	ND	88	65-130			
Ethylbenzene	8.99	0.50	"	10.0	ND	90	70-130			
Methyl tert-butyl ether	8.00	0.50	"	10.0	ND	80	50-140			
Toluene	8.57	0.50	"	10.0	ND	86	70-120			
Xylenes (total)	29.5	0.50	"	30.0	ND	98	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		"	*2.50*		*95*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.31*		"	*2.50*		*92*	*60-120*			
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-130*			
Surrogate: Toluene-d8	*2.29*		"	*2.50*		*92*	*70-130*			
Matrix Spike Dup (7B03008-MSD1)	**Source: MQA1024-04**			Prepared & Analyzed: 02/03/07						
tert-Amyl methyl ether	8.48	0.50	ug/l	10.0	ND	85	65-135	3	25	
Benzene	7.89	0.50	"	10.0	ND	79	70-125	0.4	15	
tert-Butyl alcohol	217	20	"	200	ND	108	60-135	0.5	35	
Di-isopropyl ether	9.67	0.50	"	10.0	ND	97	70-130	3	35	
Ethyl tert-butyl ether	8.99	0.50	"	10.0	ND	90	65-130	3	35	
Ethylbenzene	9.00	0.50	"	10.0	ND	90	70-130	0.1	15	
Methyl tert-butyl ether	8.30	0.50	"	10.0	ND	83	50-140	4	25	
Toluene	8.80	0.50	"	10.0	ND	88	70-120	3	15	
Xylenes (total)	29.8	0.50	"	30.0	ND	99	80-125	1	15	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.30*		"	*2.50*		*92*	*60-120*			
Surrogate: Dibromofluoromethane	*2.46*		"	*2.50*		*98*	*75-130*			
Surrogate: Toluene-d8	*2.32*		"	*2.50*		*93*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/13/07 13:19

Notes and Definitions

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

REVISED 1/30/07

Page 1 of 1

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): See Comments

On-site Time:	0615	Temp:	Ice on S 65°F
Off-site Time:	1200	Temp:	70°F
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.:	2111
BP/AR Facility Address:	1156 Davis Street, ~~San Leandro~~ SAN LEANDRO
Site Lat/Long:	
California Global ID No.:	T0600101764
Enfos Project No.:	G0C28 - 0023
Provision or OOC (circle one)	(Provision)
Phase/WBS:	03-O & M
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:	clewitt@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.: 449A1043	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: 5-Oxygenates	Sample Point Lat/Long and Comments
1	02111DPEWAINF	0920	1/29/07		X		01							X	X	X	WATER
2	02111ASWINF	0925	1/29/07		X		02							X	X	X	Please analyze ~~all~~ samples 02111ASWINF and 02111WEFF on a 24-hour TAT. Five oxygenates requested are MTBE, TBA, DIPE, ETBE, and TAME.
3	02111ASWEFF	0940	1/29/07		X		03							X	X	X	
4	02111WGAC1	1000	1/29/07		X		04							X	X	X	
5	02111WEFF	0915	1/29/07		X		05							X	X	X	
6	02111MW2WINF	1015	1/29/07		X		06							X	X	X	
7																	
8																	
9																	
10																	

Sampler's Name:	KIRAN NAGARAJU	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	STRATUS ENVIRONMENTAL, INC.	Kiran Nagaraju	1/29/07			1/29/07	13:3[illegible]
Shipment Date:							
Shipment Method:							
Shipment Tracking No:							

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

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

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): See comments

On-site Time:	0615	Temp:	100 ± 5°F
Off-site Time:	1200	Temp:	70°F
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, Sacramento	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@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.: 149A1043	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: 5-Oxygenates	Sample Point Lat/Long and Comments
1	02111DPEWINF	0920	1/29/07		x		01							x	x	x	
2	02111ASWINF	0925	1/29/07		x		02							x	x	x	Please analyze air samples 02111ASWINF and 02111WEFF on a 24-hour TAT. Five oxygenates requested are MTBE, TBA, DIPE, ETBE, and TAME.
3	02111ASWEFF	0940	1/29/07		x		03							x	x	x	
4	02111WGAC1	1000	1/29/07		x		04							x	x	x	
5	02111WEFF	0945	1/29/07		x		05							x	x	x	
6	02111MW2WINF	1015	1/29/07		x		06							x	x	x	
7																	
8																	
9																	
10																	

Sampler's Name: KIRAN NAGARAJU	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: STRATUS ENVIRONMENTAL, INC.	Kiran Nagaraju	1/29/7			1/29/07 13:35
Shipment Date:					
Shipment Method:					
Shipment Tracking No:					

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

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 1.0 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO 2111
REC. BY (PRINT): Shaun
WORKORDER: MPK1043

DATE REC'D AT LAB: 1/29/07
TIME REC'D AT LAB: 8:35
DATE LOGGED IN: 1-29-07

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: Present / (Absent)								
4. Airbill: Airbill / Sticker Present / (Absent)								
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*							VOA-	6 Samples SD
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: 6.0 Corrected Temp: 6.0 Is corrected temp 4 +/-2°C? (Yes) / No**								
(Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / DFF ON ICE or Problem COC								

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

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16 February, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQB0017

Enclosed are the results of analyses for samples received by the laboratory on 01/31/07 08:15. 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: ARCO #2111, San Leandro, CA	MQB0017
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/16/07 10:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111ASWINF	MQB0017-01	Water	01/30/07 05:25	01/31/07 08:15

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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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0017
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/16/07 10:02

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWINF (MQB0017-01RE1) Water	**Sampled: 01/30/07 05:25**		**Received: 01/31/07 08:15**						**CL**
Gasoline Range Organics (C4-C12)	**330**	200	ug/l	4	7B14025	02/14/07	02/15/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-145*		"	"	"	"	

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: ARCO #2111, San Leandro, CA	MQB0017
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/16/07 10:02

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWINF (MQB0017-01) Water	**Sampled: 01/30/07 05:25**		**Received: 01/31/07 08:15**						
tert-Amyl methyl ether	ND	12	ug/l	25	7B07011	02/07/07	02/08/07	EPA 8260B	
Benzene	ND	12	"	"	"	"	"	"	
tert-Butyl alcohol	**3600**	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	12	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	12	"	"	"	"	"	"	
Ethylbenzene	ND	12	"	"	"	"	"	"	
Methyl tert-butyl ether	**440**	12	"	"	"	"	"	"	
Toluene	**31**	12	"	"	"	"	"	"	
Xylenes (total)	**25**	12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*		*60-145*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82 %*		*60-120*	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*		*75-130*	"	"	"	"	
Surrogate: Toluene-d8		*82 %*		*70-130*	"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0017
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/16/07 10:02

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 7B14025 - EPA 5030B P/T / LUFT GCMS										
Blank (7B14025-BLK1)				Prepared & Analyzed: 02/14/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.30*		"	*2.50*		*92*	*60-145*			
Laboratory Control Sample (7B14025-BS2)				Prepared & Analyzed: 02/14/07						
Gasoline Range Organics (C4-C12)	518	50	ug/l	500		104	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		"	*2.50*		*92*	*60-145*			
Laboratory Control Sample Dup (7B14025-BSD2)				Prepared & Analyzed: 02/14/07						
Gasoline Range Organics (C4-C12)	503	50	ug/l	500		101	75-140	3	20	
Surrogate: 1,2-Dichloroethane-d4	*2.23*		"	*2.50*		*89*	*60-145*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0017
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/16/07 10:02

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 7B07011 - EPA 5030B P/T / EPA 8260B										
Blank (7B07011-BLK1)				Prepared & Analyzed: 02/07/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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: 1,2-Dichloroethane-d4	*2.27*		"	*2.50*		*91*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.07*		"	*2.50*		*83*	*60-120*			
Surrogate: Dibromofluoromethane	*2.33*		"	*2.50*		*93*	*75-130*			
Surrogate: Toluene-d8	*2.03*		"	*2.50*		*81*	*70-130*			
Laboratory Control Sample (7B07011-BS1)				Prepared & Analyzed: 02/07/07						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	65-135			
Benzene	10.8	0.50	"	10.0		108	70-125			
tert-Butyl alcohol	171	20	"	200		86	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0		111	70-130			
Ethyl tert-butyl ether	10.7	0.50	"	10.0		107	65-130			
Ethylbenzene	11.2	0.50	"	10.0		112	70-130			
Methyl tert-butyl ether	11.5	0.50	"	10.0		115	50-140			
Toluene	10.6	0.50	"	10.0		106	70-120			
Xylenes (total)	35.2	0.50	"	30.0		117	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.09*		"	*2.50*		*84*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.24*		"	*2.50*		*90*	*60-120*			
Surrogate: Dibromofluoromethane	*2.21*		"	*2.50*		*88*	*75-130*			
Surrogate: Toluene-d8	*2.18*		"	*2.50*		*87*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0017
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/16/07 10:02

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 7B07011 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7B07011-MS1)	**Source: MQB0017-01**			Prepared & Analyzed: 02/07/07						
tert-Amyl methyl ether	267	12	ug/l	250	ND	107	65-135			
Benzene	253	12	"	250	5.2	99	70-125			
tert-Butyl alcohol	8540	500	"	5000	3600	99	60-135			
Di-isopropyl ether	271	12	"	250	ND	108	70-130			
Ethyl tert-butyl ether	265	12	"	250	ND	106	65-130			
Ethylbenzene	260	12	"	250	ND	104	70-130			
Methyl tert-butyl ether	744	12	"	250	440	122	50-140			
Toluene	237	12	"	250	31	82	70-120			
Xylenes (total)	808	12	"	750	25	104	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.12*		"	*2.50*		*85*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.17*		"	*2.50*		*87*	*60-120*			
Surrogate: Dibromofluoromethane	*2.16*		"	*2.50*		*86*	*75-130*			
Surrogate: Toluene-d8	*2.14*		"	*2.50*		*86*	*70-130*			
Matrix Spike Dup (7B07011-MSD1)	**Source: MQB0017-01**			Prepared & Analyzed: 02/07/07						
tert-Amyl methyl ether	271	12	ug/l	250	ND	108	65-135	1	25	
Benzene	258	12	"	250	5.2	101	70-125	2	15	
tert-Butyl alcohol	8860	500	"	5000	3600	105	60-135	4	35	
Di-isopropyl ether	273	12	"	250	ND	109	70-130	0.7	35	
Ethyl tert-butyl ether	266	12	"	250	ND	106	65-130	0.4	35	
Ethylbenzene	262	12	"	250	ND	105	70-130	0.8	15	
Methyl tert-butyl ether	759	12	"	250	440	128	50-140	2	25	
Toluene	251	12	"	250	31	88	70-120	6	15	
Xylenes (total)	810	12	"	750	25	105	80-125	0.2	15	
Surrogate: 1,2-Dichloroethane-d4	*2.17*		"	*2.50*		*87*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.16*		"	*2.50*		*86*	*60-120*			
Surrogate: Dibromofluoromethane	*2.26*		"	*2.50*		*90*	*75-130*			
Surrogate: Toluene-d8	*2.20*		"	*2.50*		*88*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0017
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/16/07 10:02

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
CL	Initial analysis within holding time but required dilution
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

PROBLEM CHAIN-OF-CUSTODY

MQB0017

DATE/TIME 1/30/07 DATE RECEIVED 1/30/07

CLIENT BP TURN AROUND TIME 10

CLIENT SERVICES REP LISA ANALYST SACRAMENTO

PROBLEM

The refrigerator (ID Front) Froze over and 2 out of 6 VOAs broke. temp got to -13°C

RESOLUTION

Client Instruction* Noted. Enough left to analyze samples

Telephone Number of Client: _____

Client Contact for Instruction: _____

Date and Time of Instruction: _____

Date & Time Form Given to Sample Control: _____

CLIENT SERVICES REP. SIGNATURE: _____

DATE/TIME: _____

*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

Page 1 of 1

Atlantic Richfield Company

bp
A BP affiliated company

Chain of Custody Record

Project Name: Arco 2111
BP BU/AR Region/Enfos Segment: BP America's West Retail
State or Lead Regulatory Agency: RWQCB
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time: 0445	Temp:
Off-site Time: 0600	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Test America's	BP/AR Facility No.: 2111
Address: 885 Jarvis Drive Morgan Hill CA 95937	BP/AR Facility Address: 1156 Davis Street San Leandro
Lab PM: Lisa Race	Site Lat/Long:
Tele/Fax: 408 782 8156	California Global ID No.: T0600101764
BP/AR EBM: Paul Supple	Enfos Project No.: GOC28
Address: 2010 Crow Canyon Place San Ramon CA	Provision or OOC (circle one)
Tele/Fax: 925 275 3506	Phase/WBS: 03-01m
	Sub Phase/Task: 03 LAB
	Cost Element: 01

Consultant/Contractor: Stratus	
Address: 3330 Cameron Park Dr Cameron Park CA 95682	
Consultant/Contractor Project No.: E211	
Consultant/Contractor PM: JAY	
Tele/Fax: 530 676 6004	
Report Type & QC Level: 1 - EDF	
E-mail EDD To: CJewitt@StratusInc.net	
Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)	

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: 5 Oxys	Sample Point Lat/Long and Comments
1	2111 ASW INF	0525	1/30/07		X		01	6				X		X	X	X	5 Oxys MTBE, TBA, DIPE ETBE TAME
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	2.7°C

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation
Sampler's Company: Stratus	Stratus	1/30/07	1001	
Shipment Date: 1/30/07		1/30/07	1516	
Shipment Method: Stratus				
Shipment Tracking No:				

Date	Time
1/30/07	1001
1/31/07	8:15

Special Instructions: EC Results RMiller@broadbentinc.com

Custody Seals In Place: (Yes) / No | Temp Blank: Yes (No) | Cooler Temp on Receipt: 5 °F (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: ARCO
REC. BY (PRINT): A.M
WORKORDER: MQB0017

DATE REC'D AT LAB: 1-31-07
TIME REC'D AT LAB: 8:15
DATE LOGGED IN: 2/1/07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) (Present) / Absent; (Intact) / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: (Present) / Absent								
4. Airbill: (Airbill) / Sticker Present / Absent								
5. Airbill #: CA-Overnight								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								OZ11 ASW INF 2 of 6 Broken
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. **Does information on chain-of-custody, traffic reports and sample labels agree?** (Yes) / No*								
10. Sample received within hold time? (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper preservatives used? (Yes) / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No)								
14. Read Temp: 5°C; Corrected Temp: 5°C; Is corrected temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

1-31-07 A.M. see COC

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

California Overnight Shipping Label

CALIFORNIA OVERNIGHT
1-800-334-5000 / www.calover.com

D10010119090209

Date Printed 1/30/2007

Tracking#D10010119090209

Shipped From:
TEST AMERICA - SACRAMENTO
819 STRIKER AVENUE 8
SACRAMENTO, CA 95834

Sent By: TIM ALBRIGHT
Phone#: (916)921-9600
wgt(lbs): 40
Reference:
Decl. Value: $0.00

Ship To Company:	*Service:* **S**
TESTAMERICA - MORGAN HILL **885 JARVIS DR** **MORGAN HILL, CA 95037** **SAMPLE CONTROL (408)776-9600**	*Sort Code:* **SJC** *Special Services:*

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

REVISED

Page 1 of 1

Project Name: Arco 2111
BP BU/AR Region/Enfos Segment: BP America's West Retail
State or Lead Regulatory Agency: RWQCB
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time: 0445	Temp:
Off-site Time: 0600	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Test America's	BP/AR Facility No.: 2111
Address: 885 Jarvis Drive Morgan Hill CA 95937	BP/AR Facility Address: 1156 Davis Street San Leandro
Lab PM: Lisa Race	Site Lat/Long:
Tele/Fax: 408 782 9156	California Global ID No.: T0600101764
BP/AR EBM: Paul Supple	Enfos Project No.: GOC28-0023
Address: 2010 Crow Canyon Place San Ramon CA	Provision or OOC (circle one)
Tele/Fax: 925 275 3506	Phase/WBS: 03-01M
Lab Bottle Order No:	Sub Phase/Task: 03 LW43
	Cost Element: 01

Consultant/Contractor: Stantec	
Address: 3330 Cameron Park Dr Cameron Park CA 95682	
Consultant/Contractor Project No.: E2111	
Consultant/Contractor PM: Jay	
Tele/Fax: 530 676 6004	
Report Type & QC Level: 1 - EDF	
E-mail EDD To: CJewitt@stantec.com	
Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)	

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: 5 Oxys	Sample Point Lat/Long and Comments
1	2111 ASW INF	0525	1300		X		01	6				X		X	X	X	5 Oxys MTBE, TBA, DIPE ETBE TAME
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

2.7°C

Sampler's Name: Chris Hill
Sampler's Company: Stantec
Shipment Date: 1-30-07
Shipment Method: Stantec
Shipment Tracking No:
Special Instructions: EC Results Rmiller@bonnardbenttinc.com

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Stantec	1-30-07	1001		1/30/07	1001
	1/30/07	1516		1/31/07	845

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

BP COC Rev. 5 10/11/2006

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Monday, February 05, 2007 10:30 AM
To: Lisa Race
Subject: RE: problem COC for ARCO#2111 - MQB0017
Attachments: 2111 COC.pdf

REVISED

Hi Lisa,

The correct Enfos # is G0C28-0023...I've attached a revised copy.

Thanks,
Sandy

Sandy Hayes
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682
shayes@stratusinc.net
Phone: 530-676-6004
Fax: 530.676.6005

-----Original Message-----
From: Lisa Race [mailto:lrace@testamericainc.com]
Sent: Monday, February 05, 2007 10:16 AM
To: knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Scott Bittinger
Subject: problem COC for ARCO#2111 - MQB0017

Please complete the ENFOS # for this project.

Lisa Race
Senior Project Manager, Morgan Hill, CA
TestAmerica Analytical Testing Corporation
Tel.: 408-776-9600
Direct.: 408-782-8156
Fax: 408-782-6308
e-mail: lrace@testamericainc.com
NOTE NEW E-MAIL ADDRESS

TestAmerica
ANALYTICAL TESTING CORPORATION

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

31 January, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQA1078

Enclosed are the results of analyses for samples received by the laboratory on 01/31/07 08:15. 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: ARCO #2111, San Leandro, CA	MQA1078
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/31/07 15:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111AGAC1	MQA1078-01	Vapor	01/30/07 05:08	01/31/07 08:15

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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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1078
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/31/07 15:56

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AGAC1 (MQA1078-01) Vapor	**Sampled: 01/30/07 05:08**		**Received: 01/31/07 08:15**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7A31011	01/31/07	01/31/07 13:21	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1078
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/31/07 15:56

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7A31011 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7A31011-BLK1)				Prepared & Analyzed: 01/31/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	12	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Toluene	ND	0.50	mg/m³ Air							
Toluene	ND	0.13	ppmv							
Ethylbenzene	ND	0.50	mg/m³ Air							
Ethylbenzene	ND	0.12	ppmv							
Xylenes (total)	ND	1.0	mg/m³ Air							
Xylenes (total)	ND	0.24	ppmv							
Methyl tert-butyl ether	ND	2.5	mg/m³ Air							
Methyl tert-butyl ether	ND	0.69	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*39.4*		*mg/m³ Air*	*40.0*		*98*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.60*		*ppmv*	*6.70*		*99*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*40.2*		*mg/m³ Air*	*40.0*		*100*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.63*		*ppmv*	*5.59*		*101*	*70-125*			
Laboratory Control Sample (7A31011-BS1)				Prepared & Analyzed: 01/31/07						
Gasoline Range Organics (C4-C12)	240	50	mg/m³ Air	275		87	70-115			
Gasoline Range Organics (C4-C12)	68.2	12	ppmv	78.0		87	70-115			
Benzene	4.74	0.50	mg/m³ Air	4.85		98	80-150			
Benzene	1.49	0.16	ppmv	1.52		98	80-150			
Toluene	21.6	0.50	mg/m³ Air	23.5		92	75-125			
Toluene	5.73	0.13	ppmv	6.25		92	75-125			
Ethylbenzene	4.04	0.50	mg/m³ Air	4.70		86	75-135			
Ethylbenzene	0.933	0.12	ppmv	1.08		86	75-135			
Xylenes (total)	25.2	1.0	mg/m³ Air	26.5		95	75-135			
Xylenes (total)	5.81	0.24	ppmv	6.12		95	75-135			
Methyl tert-butyl ether	4.84	2.5	mg/m³ Air	6.50		74	60-140			
Methyl tert-butyl ether	1.35	0.69	ppmv	1.81		75	60-140			
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*mg/m³ Air*	*40.0*		*119*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*7.99*		*ppmv*	*6.70*		*119*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*40.9*		*mg/m³ Air*	*40.0*		*102*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.72*		*ppmv*	*5.59*		*102*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1078
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/31/07 15:56

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7A31011 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample Dup (7A31011-BSD1)				Prepared & Analyzed: 01/31/07						
Gasoline Range Organics (C4-C12)	237	50	mg/m³ Air	275		86	70-115	1	35	
Gasoline Range Organics (C4-C12)	67.3	12	ppmv	78.0		86	70-115	1	35	
Benzene	4.45	0.50	mg/m³ Air	4.85		92	80-150	6	35	
Benzene	1.40	0.16	ppmv	1.52		92	80-150	6	35	
Toluene	5.60	0.13	"	6.25		90	75-125	2	30	
Toluene	21.1	0.50	mg/m³ Air	23.5		90	75-125	2	30	
Ethylbenzene	3.90	0.50	"	4.70		83	75-135	4	30	
Ethylbenzene	0.900	0.12	ppmv	1.08		83	75-135	4	30	
Xylenes (total)	24.5	1.0	mg/m³ Air	26.5		92	75-135	3	30	
Xylenes (total)	5.65	0.24	ppmv	6.12		92	75-135	3	30	
Methyl tert-butyl ether	4.81	2.5	mg/m³ Air	6.50		74	60-140	0.6	30	
Methyl tert-butyl ether	1.34	0.69	ppmv	1.81		74	60-140	0.7	30	
Surrogate: a,a,a-Trifluorotoluene	*46.7*		*mg/m³ Air*	*40.0*		*117*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*7.82*		*ppmv*	*6.70*		*117*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*41.3*		*mg/m³ Air*	*40.0*		*103*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.77*		*ppmv*	*5.59*		*103*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQA1078
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	01/31/07 15:56

Notes and Definitions

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 2111
BP BU/AR Region/Enfos Segment: BP America's West Retail
State or Lead Regulatory Agency: RWQCB - SAN Fran
Requested Due Date (mm/dd/yy): 24 HR TAT

On-site Time:	0445	Temp:	
Off-site Time:	0600	Temp:	
Sky Conditions:			
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: Test America	BP/AR Facility No.: 2111	Consultant/Contractor: Stantec
Address: 885 Jarvis Drive Morgan Hill CA 95937	BP/AR Facility Address: 1156 Davis St San Leandro	Address: 3330 Cameron Pk Dr Cameron Pk CA 95682
Lab PM: Lisa Race	Site Lat/Long:	Consultant/Contractor Project No.: 2116
Tele/Fax: 408 782 8156	California Global ID No.: T0600101764	Consultant/Contractor PM: JAY
BP/AR EBM: Paul Supple	Enfos Project No.: GOC28	Tele/Fax: 530 676 6004
Address: 2960 Crow Canyon Place #150 San Ramon	Provision or OOC (circle one)	Report Type & QC Level: 1 - EDF
Tele/Fax: 925 277 3506	Phase/WBS: 03-01/M	E-mail EDD To: CJewitt@StantecInc.Net
	Sub Phase/Task: 03 LAB	Invoice to: Consultant or BP or Atlantic Richfield Co (circle one)
	Cost Element: 01	

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No. (#10k1078)	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: MTBE	Sample Point Lat/Long and Comments
1	A2111AGAC1	0505	13007			X	01	1						X	X	X	24 HR TAT
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	2.7°C
10																	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Chris Hill						
Sampler's Company: Stantec	Stantec	1300	1001		1/30/07	1001
Shipment Date: 1-30-07		1/30/07	1516		1/31/07	8:15
Shipment Method: Stantec						
Shipment Tracking No:						

Special Instructions: cc 1e9u145 Kmiller@broadbentinc.com

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco
REC. BY (PRINT) A.M.
WORKORDER:

DATE REC'D AT LAB: 1-31-07
TIME REC'D AT LAB: 8:15
DATE LOGGED IN:

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION /ETC.)
1. Custody Seal(s) (Present) / Absent (Intact) / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: (Present) / Absent								
4. Airbill: Airbill / Sticker (Present) / Absent								
5. Airbill #: CA. Overnight								
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* NA								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No)								
14. Read Temp: NA Corrected Temp: ____ Is corrected temp 4 +/-2°C? Yes / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC Air bag

1-31-07 A.M. Sel. COC

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

California Overnight Shipping Label

CALIFORNIA OVERNIGHT

1-800-334-5000 / www.calover.com

D10010119101725

Date Printed 1/30/2007

Tracking#D10010119101725

Shipped From:
TEST AMERICA - SACRAMENTO
819 STRIKER AVENUE 8
SACRAMENTO, CA 95834

Sent By: TIM ALBRIGHT
Phone#: (916)921-9600
wgt(lbs): 1
Reference:
Decl. Value: $0.00

Ship To Company:	*Service:* **S**
TESTAMERICA - MORGAN HILL **885 JARVIS DR** **MORGAN HILL, CA 95037** **SAMPLE CONTROL (408)776-9600**	*Sort Code:* **SJC** *Special Services:*

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15 February, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQB0043

Enclosed are the results of analyses for samples received by the laboratory on 02/01/07 07:30. 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: ARCO #2111, San Leandro, CA	MQB0043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/15/07 15:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111ASWINF	MQB0043-01	Water	01/31/07 07:45	02/01/07 07:30

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: ARCO #2111, San Leandro, CA	MQB0043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/15/07 15:06

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWINF (MQB0043-01RE1) Water	**Sampled: 01/31/07 07:45**		**Received: 02/01/07 07:30**						
Gasoline Range Organics (C4-C12)	**300**	100	ug/l	2	7B14008	02/14/07	02/14/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-145*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/15/07 15:06

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWINF (MQB0043-01) Water	**Sampled: 01/31/07 07:45**		**Received: 02/01/07 07:30**						
tert-Amyl methyl ether	ND	12	ug/l	25	7B07011	02/07/07	02/08/07	EPA 8260B	
Benzene	ND	12	"	"	"	"	"	"	
tert-Butyl alcohol	**3200**	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	12	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	12	"	"	"	"	"	"	
Ethylbenzene	ND	12	"	"	"	"	"	"	
Methyl tert-butyl ether	**490**	12	"	"	"	"	"	"	
Toluene	ND	12	"	"	"	"	"	"	
Xylenes (total)	ND	12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*		*60-145*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77 %*		*60-120*	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*75-130*	"	"	"	"	
Surrogate: Toluene-d8		*80 %*		*70-130*	"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/15/07 15:06

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 7B14008 - EPA 5030B P/T / LUFT GCMS										
Blank (7B14008-BLK1)				Prepared & Analyzed: 02/14/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-145*			
Laboratory Control Sample (7B14008-BS2)				Prepared & Analyzed: 02/14/07						
Gasoline Range Organics (C4-C12)	527	50	ug/l	500		105	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		"	*2.50*		*98*	*60-145*			
Laboratory Control Sample Dup (7B14008-BSD2)				Prepared & Analyzed: 02/14/07						
Gasoline Range Organics (C4-C12)	490	50	ug/l	500		98	75-140	7	20	
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-145*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/15/07 15:06

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 7B07011 - EPA 5030B P/T / EPA 8260B										
Blank (7B07011-BLK1)				Prepared & Analyzed: 02/07/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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: 1,2-Dichloroethane-d4	*2.27*		"	*2.50*		*91*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.07*		"	*2.50*		*83*	*60-120*			
Surrogate: Dibromofluoromethane	*2.33*		"	*2.50*		*93*	*75-130*			
Surrogate: Toluene-d8	*2.03*		"	*2.50*		*81*	*70-130*			
Laboratory Control Sample (7B07011-BS1)				Prepared & Analyzed: 02/07/07						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	65-135			
Benzene	10.8	0.50	"	10.0		108	70-125			
tert-Butyl alcohol	171	20	"	200		86	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0		111	70-130			
Ethyl tert-butyl ether	10.7	0.50	"	10.0		107	65-130			
Ethylbenzene	11.2	0.50	"	10.0		112	70-130			
Methyl tert-butyl ether	11.5	0.50	"	10.0		115	50-140			
Toluene	10.6	0.50	"	10.0		106	70-120			
Xylenes (total)	35.2	0.50	"	30.0		117	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.09*		"	*2.50*		*84*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.24*		"	*2.50*		*90*	*60-120*			
Surrogate: Dibromofluoromethane	*2.21*		"	*2.50*		*88*	*75-130*			
Surrogate: Toluene-d8	*2.18*		"	*2.50*		*87*	*70-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/15/07 15:06

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 7B07011 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7B07011-MS1)	**Source: MQB0017-01**			Prepared & Analyzed: 02/07/07						
tert-Amyl methyl ether	267	12	ug/l	250	ND	107	65-135			
Benzene	253	12	"	250	5.2	99	70-125			
tert-Butyl alcohol	8540	500	"	5000	3600	99	60-135			
Di-isopropyl ether	271	12	"	250	ND	108	70-130			
Ethyl tert-butyl ether	265	12	"	250	ND	106	65-130			
Ethylbenzene	260	12	"	250	ND	104	70-130			
Methyl tert-butyl ether	744	12	"	250	440	122	50-140			
Toluene	237	12	"	250	31	82	70-120			
Xylenes (total)	808	12	"	750	25	104	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.12*		"	*2.50*		*85*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.17*		"	*2.50*		*87*	*60-120*			
Surrogate: Dibromofluoromethane	*2.16*		"	*2.50*		*86*	*75-130*			
Surrogate: Toluene-d8	*2.14*		"	*2.50*		*86*	*70-130*			
Matrix Spike Dup (7B07011-MSD1)	**Source: MQB0017-01**			Prepared & Analyzed: 02/07/07						
tert-Amyl methyl ether	271	12	ug/l	250	ND	108	65-135	1	25	
Benzene	258	12	"	250	5.2	101	70-125	2	15	
tert-Butyl alcohol	8860	500	"	5000	3600	105	60-135	4	35	
Di-isopropyl ether	273	12	"	250	ND	109	70-130	0.7	35	
Ethyl tert-butyl ether	266	12	"	250	ND	106	65-130	0.4	35	
Ethylbenzene	262	12	"	250	ND	105	70-130	0.8	15	
Methyl tert-butyl ether	759	12	"	250	440	128	50-140	2	25	
Toluene	251	12	"	250	31	88	70-120	6	15	
Xylenes (total)	810	12	"	750	25	105	80-125	0.2	15	
Surrogate: 1,2-Dichloroethane-d4	*2.17*		"	*2.50*		*87*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.16*		"	*2.50*		*86*	*60-120*			
Surrogate: Dibromofluoromethane	*2.26*		"	*2.50*		*90*	*75-130*			
Surrogate: Toluene-d8	*2.20*		"	*2.50*		*88*	*70-130*			

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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0043
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/15/07 15:06

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
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 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	0530	Temp:	45
Off-site Time:	0900	Temp:	50
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, San Leandro	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No. (MQB0043)	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: 8260 BTEX	Requested Analysis: 5 oxys	Sample Point Lat/Long and Comments
1	0211 ASWINF	0745	13107		X		01	6				X		X	X	5 oxys TBA, ETBE MTBE TAME DIPE
2																
3																
4																
5																
6																
7																
8																
9																
10																

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Chris Hill						
Sampler's Company: Stratus	Stratus	13107	1230	TASE 4°C	1/31/07	1230
Shipment Date: 1-31-07		1/31/07	1521	Andy Medunan	2-1-07	7:30
Shipment Method: Stratus						
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: 4 °F (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: Arco
REC. BY (PRINT): A.M.
WORKORDER: 4QB0043

DATE REC'D AT LAB: 2-1-07
TIME REC'D AT LAB: 7:30
DATE LOGGED IN: 2-1-07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: (Present) / Absent								
4. Airbill: Airbill / Sticker (Present) / Absent								
5. Airbill #: See Attached								
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°C Corrected Temp: 4°C Is corrected temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC

2-1-07 A.M. See COC

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

California Overnight Shipping Label

CALIFORNIA OVERNIGHT

1-800-334-5000 / www.calover.com

D10010119261123

Date Printed 1/31/2007

Tracking#D10010119261123

Shipped From:
TEST AMERICA - SACRAMENTO
819 STRIKER AVENUE 8
SACRAMENTO, CA 95834

Sent By: TIM ALBRIGHT
Phone#: (916)921-9600
wgt(lbs): 33
Reference:
Decl. Value: $0.00

Ship To Company:	*Service:* **S**
TESTAMERICA - MORGAN HILL **885 JARVIS DR** **MORGAN HILL, CA 95037** **SAMPLE CONTROL (408)776-9600**	*Sort Code:* **SJC** *Special Services:*

STRATUS ENVIRONMENTAL, INC.

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

March 6, 2007
Project No.: E2111-03

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

Re: Remediation System Operation and Maintenance Data Package, ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California (Field activities performed on February 1, 2, 5, 20, 27, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes and Kiran Nagaraju / Jay Johnson

Phone Number: (530) 676-6007 / (530) 676-6000

On-Site Supplier Representatives: Chris Hill

System Overview: Dual Phase Extraction System, Air Stripper, and Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

Scope of Work Performed: Conduct routine system operation and maintenance, and record field measurements. Influent, mid-fluent, and effluent air and water samples were collected on February 5, 2007.

Variations from Work Scope: A flow totalizer was installed prior to the air-stripper to estimate the air stripper groundwater treatment flow rate.

The attachments include field data sheets, chain of custody documentation and the 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.

Kiran Nagaraju
Staff Engineer

Jay R. Johnson, P.G.
Project Manager

Attachments:

- Field Data Sheets
- Chain of Custody Documentation
- Certified Analytical Results

CC: Paul Supple, BP/ARCO

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 2/1/7
Onsite Time: 0515
Offsite Time: 0630
Equipment Manufacturer/Model#

Technician: Chill
Weather Conditions: Clear
Ambient Temperature: ~40

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: 2126
Hour Meter Reading: 823
Totalizer Reading Prior to Air Stripper: NA
PID Calibration Date: 1/31/07
Totalizer Reading After Air Stripper: 17690

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc					
Air Velocity, FPM	1270	1286			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			200		
Applied Vacuum, "wc	20" Hg		NA	NA	
Temperature, deg F	160	113	108	88	
PID Readings, ppmv	203	10	65	0	PID for GAC-1: 0 ppmv

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1							
V-2							
V-3							
MW-1							
MW-3							
MW-7							

Signature: [signature]
Date: 2/1/7

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	
02111ASAEFF		02111AEFF	
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 2/1/7

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

Date: 2/1/17
Onsite Time:
Offsite Time:

Technician: Chill
Weather Conditions: Clear
Ambient Temperature 40

System Status Upon Arrival: [X] Operational [ ] Non-operational
System Status At Departure: [X] Operational [ ] Non-operational
Transfer Pump: [X] Operational [ ] Non-operational

Transfer Pump Hour Meter Reading: NA
Effluent Flow Totalizer Reading: 16860
No. of Carbon Vessels: 2
Lead Carbon Vessel Pressure (psi): 0

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH:
Temperature:

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2	—	1800 pump off			

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF		02111MW2WINF	
02111ASWINF			
02111ASWEFF			
02111WGAC1			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes:

Signature:
Date: 2/1/17

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 2-2-07
Onsite Time: 0500
Offsite Time: 0630
Equipment Manufacturer/Model# Air Flow Meter PID

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 45°

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: 07778
Hour Meter Reading: 106.7
Totalizer Reading Prior to Air Stripper: NA not Installed yet
PID Calibration Date: 2-2-07
Totalizer Reading After Air Stripper: 26490

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc	—	30	—	—	
Air Velocity, FPM	1423	1462	NM	NM	
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm	—	—	200	—	
Applied Vacuum, "wc	20"Hg	.45	NA	NA	
Temperature, deg F	160	115	108	87	
PID Readings, ppmv	195	10	70	8	PID for GAC-1: 3.0

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	1/4	12		25.5			
V-2	1/4	12		18.5			
V-3	1/4	12		19			
MW-1	1/4	13		21.5			
MW-3	1/4	15		25.7			
MW-7	1/4	14		26			
MW-5	1/4	NM		15.4			

Signature: [signature] Date: 2-2-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	
02111ASAEFF		02111AEFF	
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes
1) MW-8 Shortened Stinger BY 10' Request

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 2-2-07

ORIGINAL

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

Date: 2-2-07
Onsite Time: 0500
Offsite Time: 0630

Technician: CHUCK
Weather Conditions: Clear
Ambient Temperature 45

System Status Upon Arrival: [X] Operational [ ] Non-operational
System Status At Departure: [X] Operational [ ] Non-operational
Transfer Pump: [X] Operational [ ] Non-operational

Transfer Pump Hour Meter Reading: NA
Effluent Flow Totalizer Reading: 25450
No. of Carbon Vessels: 2
Lead Carbon Vessel Pressure (psi): 0

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH:
Temperature:

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2	1500				

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF		02111MW2WINF	
02111ASWINF			
02111ASWEFF			
02111WGAC1			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes:

Signature: [signature]
Date: 2-2-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 2-5-07
Onsite Time: 0500
Offsite Time: 0830
Equipment Manufacturer/Model# PID
Air Flow Meter

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 45

System Information

System Status Upon Arrival:	Operational	X	Non-Operational	
System Status Upon Departure:	Operational	X	Non-Operational	
Electric Meter Reading:	04322			
Hour Meter Reading:	178.7			
Totalizer Reading Prior to Air Stripper:	8	PID Calibration Date:	2-5-07	
Totalizer Reading After Air Stripper:	34700			

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		26			
Air Velocity, FPM	1850	1771			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			200		
Applied Vacuum, "wc	19"Hg	40	NA	NA	
Temperature, deg F	159	111	106	82	
PID Readings, ppmv	163	2	60	8	PID for GAC-1: 8

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	1/4	12					
V-2		12					
V-3		13					
MW-1		13					
MW-3		16					
MW-7		14					
MW-8		15					

Signature: [signature]
Date: 2507

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 2507
Onsite Time: 0500
Offsite Time: 0830

Technician: CHILC
Weather Conditions: Clear
Ambient Temperature 45

System Status Upon Arrival: [X] Operational [ ] Non-operational
System Status At Departure: [X] Operational [ ] Non-operational
Transfer Pump: [X] Operational [ ] Non-operational

Transfer Pump Hour Meter Reading: NA

Effluent Flow Totalizer Reading: 33400

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 0

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH: 8.0
Temperature: 13.0 C

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		2100			

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	2507 0630	02111MW2WINF	2507 0627
02111ASWINF	0620		
02111ASWEFF	0615		
02111WGAC1	0610		
02111WEFF	0605	TB2111 2507	0650

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes: Turn MW2 To Manual operation when Arrive At Site Run For 15 mins Then Sample
Install Totalizer Between Airstripper + oil/water Separator

Signature: [signature]

Date: 2-5-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF	2507 0553	02111AGAC1	2507 0547
02111ASAEFF	0551	02111AEFF	0545
02111ASYSINF	0549		
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 2-5-07

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): 24 HR TAT

On-site Time: 0500	Temp: 45
Off-site Time: 0630	Temp: 45
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	BP/AR Facility No.: 2111
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, San Leandro
Morgan Hill, CA 95937	Site Lat/Long:
Lab PM: Lisa Race	California Global ID No.: T0600101764
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 03-O & M
San Ramon, CA	Sub Phase/Task: 03-Analytical
Tele/Fax: 925-275-3506	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: cjewitt@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: MTBE	Sample Point Lat/Long and Comments
1	02111 DPE AIR F	0553	2507			X		1						X	X	X	Standard TAT
2	02111 ASA EFF	0551				X		1						X	X	X	
3	02111 A 545 INF	0549				X		1						X	X	X	
4	02111 A GAC 1	0547				X		1						X	X	X	
5	02111 A EFF	0545				X		1						X	X	X	24 HR TAT
6																	
7																	
8																	
9																	
10																	

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stratus		2507	1145		2/5/07	1145
Shipment Date: 2507						
Shipment Method: Stratus						
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: N/A °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 2/20/07
Onsite Time: 0630
Offsite Time: 0900
Technician: CHILL
Weather Conditions: Clouds
Ambient Temperature: 45°
Equipment Manufacturer/Model# mini RAE PID
Air Flow Meter Dwyer

System Information

System Status Upon Arrival:	Operational	☐	Non-Operational	☒
System Status Upon Departure:	Operational	☒	Non-Operational	☐

Electric Meter Reading: 10714
Hour Meter Reading: 423.9
Totalizer Reading Prior to Air Stripper: 93847
PID Calibration Date: 2-20-07
Totalizer Reading After Air Stripper: 126730

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		.45"H2O			
Air Velocity, FPM	1305	1960			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm		25"H2O	200	—	
Applied Vacuum, "wc	22"Hg	.45"H2O	NA	NA	
Temperature, deg F	158	113	101°F		
PID Readings, ppmv	120	18	50	☒	PID for GAC-1: ☒

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			At well
V-1	100	16					5" H2O
V-2		14					3"
V-3		15					11"
MW-1		16					—
MW-3		18		20.5"			4"
MW-7		17					12"
manifold		16					—

Signature: Chris Hill
Date: 2-20-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	
02111ASAEFF		02111AEFF	
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes

System was off Turned off Last week - Transfer Pump Failure - Oil-water Separator Pump Tripped over Loads
Reset & Started Systems
1) only 5 Amps on Transpump -
2) Change Filters Flow increase Poss. ble working to hand 24 PSI. AT Filters

DUT
VMX03035KA1-01 Model
018125 Serial

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 2-20-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 2-20-07
Onsite Time: 0630
Offsite Time: 0900

Technician: CHUC
Weather Conditions: Clouds
Ambient Temperature 50

System Status Upon Arrival: ☐ Operational ☒ Non-operational
System Status At Departure: ☒ Operational ☐ Non-operational
Transfer Pump: ☒ Operational ☐ Non-operational

Transfer Pump Hour Meter Reading: NA

Effluent Flow Totalizer Reading: 122790

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 8

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH:
Temperature:

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		2100			

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF		02111MW2WINF	
02111ASWINF			
02111ASWEFF			
02111WGAC1			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes:

Signature: [signature]
Date: 2-20-07

11) 2-22-07 2111 Arco San Leandro
CHILL

ORIGINAL

715 onsite stopped to see if Running NO
Transfer Pump on oil/water seperator Tripped Hgh
Restart system.

830 offsite system up

3377K269

Scott Pumps 262-377-7220

Page 1 of 1

Atlantic Richfield Company

bp A BP affiliated company

Chain of Custody Record

ORIGINAL

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): 24 HR TAT EFF

On-site Time:	0500	Temp:	45°
Off-site Time:	0830	Temp:	48
Sky Conditions:			
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.:	2111
BP/AR Facility Address:	1156 Davis Street, San Leandro
Site Lat/Long:	
California Global ID No.:	T0600101764
Enfos Project No.:	G0C28-0023
Provision or OOC (circle one)	Provision
Phase/WBS:	03-O & M
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:	cjewitt@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: 8260 GRO	8260 BTEX	8260 5 Oxy	Requested Analysis	Sample Point Lat/Long and Comments
1	02111 DPE W INF	0629	2507		X			6				X		X	X	X		5 oxys
2	02111 AS W INF	0620			X			6				X		X	X	X		TBA ETBE
3	02111 AS W EFF	0617			X			6				X		X	X	X		MTBE TAME
4	02111 W GAC 1	0610			X			6				X		X	X	X		DIPE
5	02111 W EFF	0603			X			6				X		X	X	X		
6	02111MW2W INF	0627			X			6				X		X	X	X		
7																		
8	TB21112507	0651	2507		X			2				X						Hold
9																		
10																		

Standard on all other 24 HR TAT 02111 WEFF

Sampler's Name:	Chris Hill				
Sampler's Company:	Stratus				
Shipment Date:	2.5.07				
Shipment Method:	Stratus				
Shipment Tracking No:					

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Stratus	2507	1145		2/5/07	1145

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

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 4.8 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP COC Rev. 5 10/11/2006

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FAX (408) 782-6308
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19 February, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQB0114

Enclosed are the results of analyses for samples received by the laboratory on 02/05/07 11:45. 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: ARCO #2111, San Leandro, CA	MQB0114
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEWINF	MQB0114-01	Water	02/05/07 06:30	02/05/07 11:45
02111ASWINF	MQB0114-02	Water	02/05/07 06:20	02/05/07 11:45
02111ASWEFF	MQB0114-03	Water	02/05/07 06:15	02/05/07 11:45
02111WGAC1	MQB0114-04	Water	02/05/07 06:10	02/05/07 11:45
02111WEFF	MQB0114-05	Water	02/05/07 06:05	02/05/07 11:45
02111MW2WINF	MQB0114-06	Water	02/05/07 06:27	02/05/07 11:45
TB21112507	MQB0114-07	Water	02/05/07 06:51	02/05/07 11:45

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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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQB0114-01) Water Sampled: 02/05/07 06:30 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	**1300**	500	ug/l	10	7B14027	02/14/07	02/15/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*60-145*		"	"	"	"	
02111ASWINF (MQB0114-02) Water Sampled: 02/05/07 06:20 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	**1400**	500	ug/l	10	7B14027	02/14/07	02/15/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*60-145*		"	"	"	"	
02111ASWEFF (MQB0114-03) Water Sampled: 02/05/07 06:15 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	**320**	50	ug/l	1	7B14027	02/14/07	02/15/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*60-145*		"	"	"	"	
02111WGAC1 (MQB0114-04) Water Sampled: 02/05/07 06:10 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B14027	02/14/07	02/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*60-145*		"	"	"	"	
02111WEFF (MQB0114-05) Water Sampled: 02/05/07 06:05 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B06002	02/06/07	02/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-145*		"	"	"	"	
02111MW2WINF (MQB0114-06) Water Sampled: 02/05/07 06:27 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	**1900**	500	ug/l	10	7B14027	02/14/07	02/15/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*60-145*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0114
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQB0114-01) Water	**Sampled: 02/05/07 06:30**		**Received: 02/05/07 11:45**						
tert-Amyl methyl ether	**7.1**	5.0	ug/l	10	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	**16**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1200**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**32**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1400**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**18**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*99 %*	*70-130*		"	"	"	"	
02111ASWINF (MQB0114-02) Water	**Sampled: 02/05/07 06:20**		**Received: 02/05/07 11:45**						
tert-Amyl methyl ether	**7.5**	5.0	ug/l	10	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	**25**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1700**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**15**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1600**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**7.9**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*70-130*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWEFF (MQB0114-03) Water	**Sampled: 02/05/07 06:15**		**Received: 02/05/07 11:45**						
tert-Amyl methyl ether	**0.65**	0.50	ug/l	1	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**1600**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**170**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-130*		"	"	"	"	
02111WGAC1 (MQB0114-04) Water	**Sampled: 02/05/07 06:10**		**Received: 02/05/07 11:45**						
tert-Amyl methyl ether	ND	0.50	ug/l	1	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
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: 1,2-Dichloroethane-d4		*111 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*70-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0114
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WEFF (MQB0114-05) Water Sampled: 02/05/07 06:05 Received: 02/05/07 11:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7B06002	02/06/07	02/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
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: 1,2-Dichloroethane-d4		*102 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*70-130*		"	"	"	"	
02111MW2WINF (MQB0114-06) Water Sampled: 02/05/07 06:27 Received: 02/05/07 11:45									
tert-Amyl methyl ether	**9.0**	5.0	ug/l	10	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	**62**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1600**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**36**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1900**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**9.9**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*60-120*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*70-130*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

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 7B06002 - EPA 5030B P/T / LUFT GCMS										
Blank (7B06002-BLK1)				Prepared & Analyzed: 02/06/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-145*			
Laboratory Control Sample (7B06002-BS2)				Prepared & Analyzed: 02/06/07						
Gasoline Range Organics (C4-C12)	450	50	ug/l	500		90	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.04*		"	*2.50*		*82*	*60-145*			
Laboratory Control Sample Dup (7B06002-BSD2)				Prepared & Analyzed: 02/06/07						
Gasoline Range Organics (C4-C12)	450	50	ug/l	500		90	75-140	0	20	
Surrogate: 1,2-Dichloroethane-d4	*2.01*		"	*2.50*		*80*	*60-145*			
Batch 7B14027 - EPA 5030B P/T / LUFT GCMS										
Blank (7B14027-BLK1)				Prepared: 02/14/07 Analyzed: 02/15/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-145*			
Laboratory Control Sample (7B14027-BS2)				Prepared: 02/14/07 Analyzed: 02/15/07						
Gasoline Range Organics (C4-C12)	544	50	ug/l	500		109	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-145*			
Laboratory Control Sample Dup (7B14027-BSD2)				Prepared: 02/14/07 Analyzed: 02/15/07						
Gasoline Range Organics (C4-C12)	523	50	ug/l	500		105	75-140	4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-145*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

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 7B06002 - EPA 5030B P/T / EPA 8260B										
Blank (7B06002-BLK1)				Prepared & Analyzed: 02/06/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.47*		"	*2.50*		*99*	*60-120*			
Surrogate: Dibromofluoromethane	*2.57*		"	*2.50*		*103*	*75-130*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*70-130*			
Laboratory Control Sample (7B06002-BS1)				Prepared & Analyzed: 02/06/07						
tert-Amyl methyl ether	11.0	0.50	ug/l	10.0		110	65-135			
Benzene	10.6	0.50	"	10.0		106	70-125			
tert-Butyl alcohol	189	20	"	200		94	60-135			
Di-isopropyl ether	9.82	0.50	"	10.0		98	70-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	65-130			
Ethylbenzene	10.2	0.50	"	10.0		102	70-130			
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	50-140			
Toluene	10.5	0.50	"	10.0		105	70-120			
Xylenes (total)	31.3	0.50	"	30.0		104	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.64*		"	*2.50*		*106*	*60-120*			
Surrogate: Dibromofluoromethane	*2.63*		"	*2.50*		*105*	*75-130*			
Surrogate: Toluene-d8	*2.71*		"	*2.50*		*108*	*70-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

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 7B06002 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7B06002-MS1)	**Source: MQB0113-04**			Prepared & Analyzed: 02/06/07						
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135			
Benzene	10.7	0.50	"	10.0	ND	107	70-125			
tert-Butyl alcohol	206	20	"	200	ND	103	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0	ND	103	70-130			
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	65-130			
Ethylbenzene	10.3	0.50	"	10.0	ND	103	70-130			
Methyl tert-butyl ether	10.7	0.50	"	10.0	ND	107	50-140			
Toluene	10.2	0.50	"	10.0	ND	102	70-120			
Xylenes (total)	31.6	0.50	"	30.0	ND	105	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.52*		"	*2.50*		*101*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.56*		"	*2.50*		*102*	*60-120*			
Surrogate: Dibromofluoromethane	*2.66*		"	*2.50*		*106*	*75-130*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*70-130*			
Matrix Spike Dup (7B06002-MSD1)	**Source: MQB0113-04**			Prepared & Analyzed: 02/06/07						
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135	0	25	
Benzene	10.7	0.50	"	10.0	ND	107	70-125	0	15	
tert-Butyl alcohol	206	20	"	200	ND	103	60-135	0	35	
Di-isopropyl ether	10.4	0.50	"	10.0	ND	104	70-130	1	35	
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	65-130	0	35	
Ethylbenzene	10.3	0.50	"	10.0	ND	103	70-130	0	15	
Methyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	50-140	0.9	25	
Toluene	10.4	0.50	"	10.0	ND	104	70-120	2	15	
Xylenes (total)	31.6	0.50	"	30.0	ND	105	80-125	0	15	
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*60-120*			
Surrogate: Dibromofluoromethane	*2.72*		"	*2.50*		*109*	*75-130*			
Surrogate: Toluene-d8	*2.63*		"	*2.50*		*105*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0114
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

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 7B14027 - EPA 5030B P/T / EPA 8260B										
Blank (7B14027-BLK1)				Prepared: 02/14/07 Analyzed: 02/15/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.35*		"	*2.50*		*94*	*60-120*			
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.51*		"	*2.50*		*100*	*70-130*			
Laboratory Control Sample (7B14027-BS1)				Prepared: 02/14/07 Analyzed: 02/15/07						
tert-Amyl methyl ether	11.2	0.50	ug/l	10.0		112	65-135			
Benzene	9.73	0.50	"	10.0		97	70-125			
tert-Butyl alcohol	170	20	"	200		85	60-135			
Di-isopropyl ether	10.7	0.50	"	10.0		107	70-130			
Ethyl tert-butyl ether	10.8	0.50	"	10.0		108	65-130			
Ethylbenzene	9.71	0.50	"	10.0		97	70-130			
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	50-140			
Toluene	9.77	0.50	"	10.0		98	70-120			
Xylenes (total)	30.0	0.50	"	30.0		100	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98*	*60-120*			
Surrogate: Dibromofluoromethane	*2.56*		"	*2.50*		*102*	*75-130*			
Surrogate: Toluene-d8	*2.60*		"	*2.50*		*104*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0114
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

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 7B14027 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7B14027-MS1)	**Source: MQB0115-03**			Prepared: 02/14/07	Analyzed: 02/15/07					
tert-Amyl methyl ether	13.9	0.50	ug/l	10.0	ND	139	65-135			
Benzene	12.0	0.50	"	10.0	ND	120	70-125			
tert-Butyl alcohol	221	20	"	200	ND	110	60-135			
Di-isopropyl ether	13.2	0.50	"	10.0	ND	132	70-130			LM
Ethyl tert-butyl ether	13.6	0.50	"	10.0	ND	136	65-130			LM
Ethylbenzene	11.9	0.50	"	10.0	ND	119	70-130			
Methyl tert-butyl ether	18.6	0.50	"	10.0	4.5	141	50-140			LM
Toluene	11.7	0.50	"	10.0	ND	117	70-120			
Xylenes (total)	36.6	0.50	"	30.0	ND	122	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.59*		"	*2.50*		*104*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.39*		"	*2.50*		*96*	*60-120*			
Surrogate: Dibromofluoromethane	*2.53*		"	*2.50*		*101*	*75-130*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*70-130*			
Matrix Spike Dup (7B14027-MSD1)	**Source: MQB0115-03**			Prepared: 02/14/07	Analyzed: 02/15/07					
tert-Amyl methyl ether	12.4	0.50	ug/l	10.0	ND	124	65-135	11	25	
Benzene	10.6	0.50	"	10.0	ND	106	70-125	12	15	
tert-Butyl alcohol	194	20	"	200	ND	97	60-135	13	35	
Di-isopropyl ether	11.9	0.50	"	10.0	ND	119	70-130	10	35	
Ethyl tert-butyl ether	12.1	0.50	"	10.0	ND	121	65-130	12	35	
Ethylbenzene	10.6	0.50	"	10.0	ND	106	70-130	12	15	
Methyl tert-butyl ether	16.7	0.50	"	10.0	4.5	122	50-140	11	25	
Toluene	10.7	0.50	"	10.0	ND	107	70-120	9	15	
Xylenes (total)	32.8	0.50	"	30.0	ND	109	80-125	11	15	
Surrogate: 1,2-Dichloroethane-d4	*2.53*		"	*2.50*		*101*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-120*			
Surrogate: Dibromofluoromethane	*2.59*		"	*2.50*		*104*	*75-130*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*70-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0114
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 11:08

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): 24 HR TAT EFF

On-site Time:	0500	Temp:	45
Off-site Time:	0830	Temp:	48
Sky Conditions:			
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, San Leandro	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023	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: 03-O & M	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@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: 8260 GRO	Requested Analysis: 8260 BTEX	Requested Analysis: 8260 5 Oxy	Sample Point Lat/Long and Comments
																	Standard on all others 24 HR TAT 02111 WEFF Sample Point Lat/Long and Comments
1	02111 DPE WINF	0650	2507		X		01	6				X		X	X	X	5 Oxys
2	02111 ASW INF	0620			X		02	6				X		X	X	X	TBA ETBE
3	02111 ASW EFF	0615			X		03	6				X		X	X	X	MTBE TAME
4	02111 W GAC 1	0610			X		04	6				X		X	X	X	DIPE
5	02111 W EFF	0605			X		05	6				X		X	X	X	
6	02111MW/2W INF	0627			X		06	6				X		X	X	X	
7																	
8	TB21112507	0651	2507		X		07	2				X					Hold
9																	
10																	

Sampler's Name:	Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Stratus	Stratus	2507	1145		2/7/07	1145
Shipment Date:	2.5.07						
Shipment Method:	Stratus						
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: 4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Shaw
REC. BY (PRINT): EB
WORKORDER: 420B114

DATE REC'D AT LAB: 2-5-07
TIME REC'D AT LAB: 1145
DATE LOGGED IN: 2-5-07

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*								
2. Chain-of-Custody Present / Absent*								
3. Traffic Reports or Packing List: Present / Absent								
4. Airbill: Airbill / Sticker Present / Absent								
5. Airbill #: —								
6. Sample Labels: Present / Absent								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*								
10. Sample received within hold time? Yes / No*								
11. Adequate sample volume received? Yes / No*								
12. Proper preservatives used? Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*								
14. Read Temp: 4.8C Corrected Temp: 4.8C Is corrected temp 4 +/-2°C? Yes / No**								
(Acceptance range for samples requiring thermal pres.)								
**Exception (if any): METALS / DFF ON ICE or Problem COC								

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

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19 February, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQB0112

Enclosed are the results of analyses for samples received by the laboratory on 02/05/07 11:45. 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: ARCO #2111, San Leandro, CA	MQB0112
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 10:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQB0112-01	Vapor	02/05/07 05:53	02/05/07 11:45
02111ASAEFF	MQB0112-02	Vapor	02/05/07 05:51	02/05/07 11:45
02111ASYSINF	MQB0112-03	Vapor	02/05/07 05:49	02/05/07 11:45
02111AGAC1	MQB0112-04	Vapor	02/05/07 05:47	02/05/07 11:45
02111AEFF	MQB0112-05	Vapor	02/05/07 05:45	02/05/07 11:45

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: ARCO #2111, San Leandro, CA	MQB0112
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 10:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQB0112-01) Vapor	**Sampled: 02/05/07 05:53**		**Received: 02/05/07 11:45**						
Gasoline Range Organics (C4-C12)	**1000**	250	mg/m³ Air	25	7B06003	02/06/07	02/06/07 13:24	EPA 8015B/8021B	
Benzene	**24**	2.5	"	"	"	"	"	"	PI
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	**11**	2.5	"	"	"	"	"	"	
Xylenes (total)	**6.4**	5.0	"	"	"	"	"	"	PI
Methyl tert-butyl ether	**51**	12	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**290**	61	ppmv	25	"	"	"	"	
Benzene	**7.4**	0.78	"	"	"	"	"	"	PI
Toluene	ND	0.66	"	"	"	"	"	"	
Ethylbenzene	**2.4**	0.58	"	"	"	"	"	"	
Xylenes (total)	**1.5**	1.2	"	"	"	"	"	"	PI
Methyl tert-butyl ether	**14**	3.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*70-125*		"	"	"	"	
02111ASAEFF (MQB0112-02) Vapor	**Sampled: 02/05/07 05:51**		**Received: 02/05/07 11:45**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7B06003	02/06/07	02/06/07 12:14	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0112
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 10:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASYSINF (MQB0112-03) Vapor	**Sampled: 02/05/07 05:49**		**Received: 02/05/07 11:45**						
Gasoline Range Organics (C4-C12)	**400**	50	mg/m³ Air	5	7B06003	02/06/07	02/06/07 12:44	EPA 8015B/8021B	
Benzene	**10**	0.50	"	"	"	"	"	"	PI
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**4.7**	0.50	"	"	"	"	"	"	
Xylenes (total)	**2.9**	1.0	"	"	"	"	"	"	PI
Methyl tert-butyl ether	**21**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*120 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**110**	12	ppmv	5	"	"	"	"	
Benzene	**3.2**	0.16	"	"	"	"	"	"	PI
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	**1.1**	0.12	"	"	"	"	"	"	
Xylenes (total)	**0.67**	0.24	"	"	"	"	"	"	PI
Methyl tert-butyl ether	**5.7**	0.69	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*120 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*70-125*		"	"	"	"	
02111AGAC1 (MQB0112-04) Vapor	**Sampled: 02/05/07 05:47**		**Received: 02/05/07 11:45**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7B06003	02/06/07	02/06/07 11:44	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-125*		"	"	"	"	

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: ARCO #2111, San Leandro, CA	MQB0112
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 10:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AEFF (MQB0112-05) Vapor	**Sampled: 02/05/07 05:45**		**Received: 02/05/07 11:45**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7B06003	02/06/07	02/06/07 11:14	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0112
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 10:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7B06003 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7B06003-BLK1)				Prepared & Analyzed: 02/06/07						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv							
Benzene	ND	0.10	mg/m³ Air							
Benzene	ND	0.031	ppmv							
Toluene	ND	0.10	mg/m³ Air							
Toluene	ND	0.027	ppmv							
Ethylbenzene	ND	0.10	mg/m³ Air							
Ethylbenzene	ND	0.023	ppmv							
Xylenes (total)	ND	0.20	mg/m³ Air							
Xylenes (total)	ND	0.047	ppmv							
Methyl tert-butyl ether	ND	0.50	mg/m³ Air							
Methyl tert-butyl ether	ND	0.14	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*7.81*		*mg/m³ Air*	*8.00*		*98*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*1.31*		*ppmv*	*1.34*		*98*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*7.72*		*mg/m³ Air*	*8.00*		*96*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*1.08*		*ppmv*	*1.12*		*96*	*70-125*			
Laboratory Control Sample (7B06003-BS1)				Prepared & Analyzed: 02/06/07						
Gasoline Range Organics (C4-C12)	43.5	10	mg/m³ Air	55.0		79	70-115			
Gasoline Range Organics (C4-C12)	12.3	2.4	ppmv	15.6		79	70-115			
Benzene	0.888	0.10	mg/m³ Air	0.970		92	80-150			
Benzene	0.278	0.031	ppmv	0.304		91	80-150			
Toluene	3.93	0.10	mg/m³ Air	4.70		84	75-125			
Toluene	1.05	0.027	ppmv	1.25		84	75-125			
Ethylbenzene	0.751	0.10	mg/m³ Air	0.940		80	75-135			
Ethylbenzene	0.173	0.023	ppmv	0.217		80	75-135			
Xylenes (total)	4.54	0.20	mg/m³ Air	5.30		86	75-135			
Xylenes (total)	1.05	0.047	ppmv	1.22		86	75-135			
Methyl tert-butyl ether	0.917	0.50	mg/m³ Air	1.30		71	60-140			
Methyl tert-butyl ether	0.255	0.14	ppmv	0.361		71	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.36*		*mg/m³ Air*	*8.00*		*117*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*1.57*		*ppmv*	*1.34*		*117*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*8.07*		*mg/m³ Air*	*8.00*		*101*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*1.13*		*ppmv*	*1.12*		*101*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0112
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 10:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7B06003 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample Dup (7B06003-BSD1)				Prepared & Analyzed: 02/06/07						
Gasoline Range Organics (C4-C12)	45.0	10	mg/m³ Air	55.0		82	70-115	3	35	
Gasoline Range Organics (C4-C12)	12.8	2.4	ppmv	15.6		82	70-115	4	35	
Benzene	0.877	0.10	mg/m³ Air	0.970		90	80-150	1	35	
Benzene	0.275	0.031	ppmv	0.304		90	80-150	1	35	
Toluene	1.04	0.027	"	1.25		83	75-125	1	30	
Toluene	3.92	0.10	mg/m³ Air	4.70		83	75-125	0.3	30	
Ethylbenzene	0.735	0.10	"	0.940		78	75-135	2	30	
Ethylbenzene	0.170	0.023	ppmv	0.217		78	75-135	2	30	
Xylenes (total)	4.52	0.20	mg/m³ Air	5.30		85	75-135	0.4	30	
Xylenes (total)	1.04	0.047	ppmv	1.22		85	75-135	1	30	
Methyl tert-butyl ether	0.950	0.50	mg/m³ Air	1.30		73	60-140	4	30	
Methyl tert-butyl ether	0.264	0.14	ppmv	0.361		73	60-140	3	30	
Surrogate: a,a,a-Trifluorotoluene	*8.98*		*mg/m³ Air*	*8.00*		*112*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*1.50*		*ppmv*	*1.34*		*112*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*8.10*		*mg/m³ Air*	*8.00*		*101*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*1.13*		*ppmv*	*1.12*		*101*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQB0112
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/19/07 10:34

Notes and Definitions

PI	Primary and confirm results varied by > than 40% RPD
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 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): 24 HR TAT

On-site Time: 0500	Temp: 45
Off-site Time: 0830	Temp: 48
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	BP/AR Facility No.: 2111
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, San Leandro
Morgan Hill, CA 95937	Site Lat/Long:
Lab PM: Lisa Race	California Global ID No.: T0600101764
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 03-O & M
San Ramon, CA	Sub Phase/Task: 03-Analytical
Tele/Fax: 925-275-3506	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: cjewitt@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: MTBE	Sample Point Lat/Long and Comments
1	02111 DPE AINF	0553	2507			X	01	1						X	X	X	Standard TAT
2	02111 ASA EFF	0551				X	02	1						X	X	X	
3	02111 A SYS INF	0549				X	03	1						X	X	X	
4	02111 A GAC 1	0547				X	04	1						X	X	X	
5	02111 A EFF	0545				X	05	1						X	X	X	24 HR TAT
6																	
7																	
8																	
9																	
10																	

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	Chris Hill						
Sampler's Company:	Stratus		2507	1145		2/5/07	1145
Shipment Date:	2507						
Shipment Method:	Stratus						
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: N/A °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Shaw
REC. BY (PRINT): EB
WORKORDER: 420112

DATE REC'D AT LAB: 2-5-07
TIME REC'D AT LAB: 1145
DATE LOGGED IN: 2-5-07

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

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

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC Yellow

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

STRATUS
ENVIRONMENTAL, INC.

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

April 6, 2007
Project No.: E2111-03

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

Re: Remediation System Operation and Maintenance Data Package, ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California (Field activities performed on March 5, 8, 14, and 29, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes and Kiran Nagaraju / Steve Carter

Phone Number: (530) 676-6007 / (530) 676-6008

On-Site Supplier Representatives: Chris Hill

System Overview: Dual Phase Extraction System, Air Stripper, and Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

Scope of Work Performed: Conduct routine system operation and maintenance, and record field measurements. Influent, mid-fluent, and effluent air and water samples were collected on March 5, 2007. An additional effluent air sample was collected on March 8, 2007.

Variations from Work Scope: Benzene (0.17 mg/m^3) and ethylbenzene (0.28 mg/m^3) were reported in the effluent air sample collected on March 5, 2007. Although these concentrations were within the limits identified in the air discharge permit, effluent air was re-sampled on March 8, 2007 and system was shutdown pending receipt and verification of analytical results. Petroleum hydrocarbons were not reported in the effluent air sample collected on March 8, 2007. When Stratus attempted to re-start the system on March 14, 2007, the level floats on the knockout tank malfunctioned and hence the system could not be re-started. The floats were replaced on March 29, 2007 and the system was re-started.

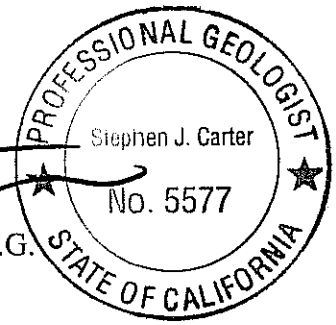
The attachments include field data sheets, chain of custody documentation and the certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does 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.

Kiran Nagaraju
Staff Engineer

Stephen J. Carter, P.G.
Project Manager



Attachments:

- Field Data Sheets
- Chain of Custody Documentation
- Certified Analytical Results

CC: Paul Supple, BP/ARCO

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 3-5-07
Onsite Time: 0500
Offsite Time: 0730
Technician: CHILC
Weather Conditions: 48
Ambient Temperature: Clear
Equipment Manufacturer/Model# Mini RAE PID
Air Mover Motor

System Information

System Status Upon Arrival:	Operational	☐	Non-Operational	☒
System Status Upon Departure:	Operational	☒	Non-Operational	☐

Electric Meter Reading: 10015
Hour Meter Reading: 437.6
Totalizer Reading Prior to Air Stripper: 101381
PID Calibration Date: 3507
Totalizer Reading After Air Stripper: 134190

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		30 "H2O			
Air Velocity, FPM	1050	2250			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm	180			3	
Applied Vacuum, "wc	24 "HG	.45 "H2O	NA	NA	
Temperature, deg F	132	107	82	60	
PID Readings, ppmv	160	35	50	8	PID for GAC-1: 3

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	50	18					
V-2	50	17					
V-3	50	17					
MW-1	100	16					
MW-3	100	18					
MW-7	100	16					
MW-8	100	18					

Signature:
Date: 3507

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF	3507 0639	02111AGAC1	3507 0632
02111ASAEFF	" 0636	02111AEFF	" 0630
02111ASYSINF	" 0634		
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 3507

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 3-5-07
Onsite Time: 0500
Offsite Time: 0730

Technician: CHILC
Weather Conditions: Clear
Ambient Temperature 48

System Status Upon Arrival: ☐ Operational ☒ Non-operational
System Status At Departure: ☒ Operational ☐ Non-operational
Transfer Pump: ☒ Operational ☐ Non-operational

Transfer Pump Hour Meter Reading: NA
Effluent Flow Totalizer Reading: 130565
No. of Carbon Vessels: 2
Lead Carbon Vessel Pressure (psi): 1

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH: 8.0
Temperature: 14.1 C

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		2274.9			

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	3507 0552	02111MW2WINF	3507 0613
02111ASWINF	0618		
02111ASWEFF	0607		
02111WGAC1	0602		
02111WEFF	0555		
		TB2111 3507	0620

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes:
Turned on MW-2 In Hand for 10 mins Then Sampled

Signature: [signature] Date: 3507

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 3/8/07
Onsite Time: 0450
Offsite Time: 0530

Technician: CHUCK
Weather Conditions: Clear
Ambient Temperature 40

System Status Upon Arrival: [X] Operational [ ] Non-operational
System Status At Departure: [X] Operational [X] Non-operational
Transfer Pump: [X] Operational [ ] Non-operational

Transfer Pump Hour Meter Reading: NA
Effluent Flow Totalizer Reading: 132951
No. of Carbon Vessels: 3
Lead Carbon Vessel Pressure (psi): 2

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH:
Temperature:

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		2284			

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF		02111MW2WINF	
02111ASWINF			
02111ASWEFF			
02111WGAC1			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes:

Signature: Chuck Ruf Date:

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 3-8-07
Onsite Time: 0450
Offsite Time: 0530
Equipment Manufacturer/Model#

Technician: OHCC
Weather Conditions: Clear
Ambient Temperature: 45

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [ ] Non-Operational [X] Turned off
Electric Meter Reading: 11470
Hour Meter Reading: 443.2
Totalizer Reading Prior to Air Stripper: 104435
PID Calibration Date: 3-7-07
Totalizer Reading After Air Stripper: 137170

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		25			
Air Velocity, FPM					
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, (cfm)			180		
Applied Vacuum, "wc		.50	NA	NA	
Temperature, deg F			80	58	
PID Readings, ppmv			~~80~~	0	PID for GAC-1:

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	50	20					
V-2	50	16					
V-3	50	12					
MW-1	100	15					
MW-3	100	18					
MW-7	100	18					
MW-9	100	18					

Signature: [signature]
Date: 3-8-07

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	
02111ASAEFF		02111AEFF	3807 0570
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes
Hail Hit on EFF Air Lock Visit This Is Re Sample

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 3807

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 3-14-07
Onsite Time: 0700
Offsite Time: 0800
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 48

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☐ Non-Operational ☒
Electric Meter Reading: No Reading
Hour Meter Reading: Float Bad In DPE Knock-out TANK
Totalizer Reading Prior to Air Stripper:
PID Calibration Date:
Totalizer Reading After Air Stripper: System Left Off

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc					
Air Velocity, FPM					
Pipe Diameter, inches					
Air Flow Rate, cfm					
Applied Vacuum, "wc			NA	NA	
Temperature, deg F					
PID Readings, ppmv					PID for GAC-1:

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1							
V-2							
V-3							
MW-1							
MW-3							
MW-7							

Signature:
Date: 31407

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Date: 32907
Onsite Time: 1000
Offsite Time: 1130
Equipment Manufacturer/Model#

Technician: CHILC
Weather Conditions: Clear
Ambient Temperature: 60

System Information

System Status Upon Arrival:	Operational	☐	Non-Operational	☒
System Status Upon Departure:	Operational	☒	Non-Operational	☐

Electric Meter Reading: 11452
Hour Meter Reading: 443.8
Totalizer Reading Prior to Air Stripper: 104857
Totalizer Reading After Air Stripper: 137580
PID Calibration Date: 3.28.07

Replace Float In DPE Transpump on/off

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		30"H2O			
Air Velocity, FPM	1048	2232			
Pipe Diameter, inches	~~3~~ 4	4	4	3	
Air Flow Rate, cfm	~~7~~		180		
Applied Vacuum, "wc	22"H2O	.45"H2O	NA	NA	
Temperature, deg F	130	110	90	62	
PID Readings, ppmv	150	30	45	~~8~~	PID for GAC-1: ~~8~~

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	50	17					
V-2	50	17					
V-3	50	17					
MW-1	100	16					
MW-3	100	18					
MW-7	100	16					
MW-8	100	18					

Signature:
Date: 32907

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Dual Phase Extraction and Air Stripper System

ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	
02111ASAEFF		02111AEFF	
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes
Install Plants In DPE TANK Restart System

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8015
BTEX	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B
MTBE	Monthly	02111DPEAINF, 02111ASAINF, 02111ASYSINF, 02111AGAC1, & 02111AEFF	EPA Method 8260B

Signature: _____ Date: 32907

ARCO FACILITY NO. 2111
1156 Davis Street
San Leandro, California
Groundwater Treatment System

ORIGINAL

Date: 32907
Onsite Time: 1000
Offsite Time: 1130

Technician: CHILC
Weather Conditions: Clear
Ambient Temperature 65

System Status Upon Arrival: ☐ Operational ☒ Non-operational
System Status At Departure: ☒ Operational ☐ Non-operational
Transfer Pump: ☒ Operational ☐ Non-operational

Transfer Pump Hour Meter Reading: NA
Effluent Flow Totalizer Reading: 133262
No. of Carbon Vessels: 2
Lead Carbon Vessel Pressure (psi): 4

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH:
Temperature:

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		22740			

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF		02111MW2WINF	
02111ASWINF			
02111ASWEFF			
02111WGAC1			
02111WEFF			

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
GRO, BTEX, & 5-Oxys	Monthly	INF& EFF	EPA Method 8260B

Notes: Install Float in DRETank Restart system

Signature: [signature]
Date: 32907

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL RUSH

Project Name: ARCO Facility No. 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda
State or Lead Regulatory Agency: California Regional Water Quality Control Board
Requested Due Date (mm/dd/yy): 24 hours for Effluent & STD for others

On-site Time:	0500	Temp:	48
Off-site Time:	0730	Temp:	50
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis St., San Leandro	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.: T0600101764	Consultant/Contractor Project No.: E2111-03
Tele/Fax: 408-782-8156/ 408-782-6308	Enfos Project No.: G0C28-0023	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: 03-O&M	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: 925-275-3506/925-275-3815	Cost Element: Subcontractor Cost	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 by 8015	Requested Analysis: BTEX by 8260	Requested Analysis: MTBE by 8260	Turnaround Time: 24-hours	Turnaround Time: Standard	Sample Point Lat/Long and Comments
1	02111DPEAINF	0638	3507			x		2						x	x	x		x	
2	02111ASAEFF	0636				x		2						x	x	x		x	
3	02111ASYSINF	0634				x		2						x	x	x		x	
4	02111AGAC1	0632				x		2						x	x	x		x	
5	02111AEFF	0630				x		2						x	x	x	x		
6																			
7																			
8																			
9																			
10																			

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stratus Environmental, Inc.	Stratus	3507	1055			
Shipment Date: 3-5-07					3/5/07	1100
Shipment Method: Stratus						
Shipment Tracking No:						

Special Instructions: Please cc results to bpedf@broadbentinc.Com

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

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL RUSH

Project Name: ARCO Facility No. 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda
State or Lead Regulatory Agency: California Regional Water Quality Control Board
Requested Due Date (mm/dd/yy): 24 hours for Effluent & STD for others

On-site Time:	0550	Temp:	48
Off-site Time:	0730	Temp:	50
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis St., San Leandro
Morgan Hill, CA 95937	Site Lat/Long:
Lab PM: Lisa Race	California Global ID No.: T0600101764
Tele/Fax: 408-782-8156/ 408-782-6308	Enfos Project No.: G0C28-0023
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 03-O&M
San Ramon, CA	Sub Phase/Task: 03-Analytical
Tele/Fax: 925-275-3506/925-275-3815	Cost Element: Subcontractor Cost

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	E2111-03
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 by 8015	Requested Analysis: BTEX by 8260	Requested Analysis: 5-oxygenates by 8260	Turnaround Time: 24-hours	Turnaround Time: Standard	Sample Point Lat/Long and Comments
1	~~02111DPWAINF~~				X			4				X		X	X	X		X	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0615	3-5-07		x			4				X		x	x	x		x	
3	02111ASWEFF	0607			x			4				X		x	x	x		x	
4	02111WGAC1	0602			x			4				X		x	x	x		x	
5	02111WEFF	0555			x			4				X		x	x	x	x		
6	02111MW2WINF	0613			x			4				X		x	x	x		x	
7	02116DPEWINF	0552			X			4				X		X	X	X		X	
8																			
9																			
10	TB2114 3507	0920			X			2											Hold

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Chris Hill						
Sampler's Company: Stratus Environmental, Inc.						
Shipment Date: 3507		3507	1055		3/5/07	1100
Shipment Method: Stratus						
Shipment Tracking No:						

Special Instructions: Please cc results to bpedf@broadbentinc.Com

Custody Seals In Place: Yes / (No) | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 4 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes (No)

TestAmerica
ANALYTICAL TESTING CORPORATION

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Morgan Hill, CA 95037
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13 March, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQC0080

Enclosed are the results of analyses for samples received by the laboratory on 03/05/07 11:00. 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: ARCO #2111, San Leandro, CA	MQC0080
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/13/07 12:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQC0080-01	Vapor	03/05/07 06:38	03/05/07 11:00
02111ASAEFF	MQC0080-02	Vapor	03/05/07 06:36	03/05/07 11:00
02111ASYSINF	MQC0080-03	Vapor	03/05/07 06:34	03/05/07 11:00
02111AGAC1	MQC0080-04	Vapor	03/05/07 06:32	03/05/07 11:00
02111AEFF	MQC0080-05	Vapor	03/05/07 06:30	03/05/07 11:00

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: ARCO #2111, San Leandro, CA	MQC0080
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/13/07 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQC0080-01) Vapor	**Sampled: 03/05/07 06:38**		**Received: 03/05/07 11:00**						
Gasoline Range Organics (C4-C12)	**570**	100	mg/m³ Air	10	7C05019	03/05/07	03/05/07 16:17	EPA 8015B/8021B	
Benzene	**13**	1.0	"	"	"	"	"	"	PI
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**6.3**	1.0	"	"	"	"	"	"	
Xylenes (total)	**8.4**	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**90**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**160**	24	ppmv	10	"	"	"	"	
Benzene	**3.9**	0.31	"	"	"	"	"	"	PI
Toluene	ND	0.27	"	"	"	"	"	"	
Ethylbenzene	**1.5**	0.23	"	"	"	"	"	"	
Xylenes (total)	**1.9**	0.47	"	"	"	"	"	"	
Methyl tert-butyl ether	**25**	1.4	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*70-125*		"	"	"	"	
02111ASAEFF (MQC0080-02) Vapor	**Sampled: 03/05/07 06:36**		**Received: 03/05/07 11:00**						
Gasoline Range Organics (C4-C12)	**11**	10	mg/m³ Air	1	7C05019	03/05/07	03/05/07 15:47	EPA 8015B/8021B	
Benzene	**0.10**	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	**0.13**	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	**10**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**3.0**	2.4	ppmv	"	"	"	"	"	
Benzene	**0.032**	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	**0.030**	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.8**	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0080
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/13/07 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASYSINF (MQC0080-03) Vapor	**Sampled: 03/05/07 06:34**		**Received: 03/05/07 11:00**						
Gasoline Range Organics (C4-C12)	**100**	50	mg/m³ Air	5	7C05019	03/05/07	03/05/07 16:47	EPA 8015B/8021B	
Benzene	**2.3**	0.50	"	"	"	"	"	"	PI
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.2**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.6**	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**26**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**29**	12	ppmv	5	"	"	"	"	
Benzene	**0.71**	0.16	"	"	"	"	"	"	PI
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	**0.27**	0.12	"	"	"	"	"	"	
Xylenes (total)	**0.36**	0.24	"	"	"	"	"	"	
Methyl tert-butyl ether	**7.3**	0.69	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*70-125*		"	"	"	"	
02111AGAC1 (MQC0080-04) Vapor	**Sampled: 03/05/07 06:32**		**Received: 03/05/07 11:00**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7C06001	03/06/07	03/06/07 09:14	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0080
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/13/07 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AEFF (MQC0080-05) Vapor	**Sampled: 03/05/07 06:30**		**Received: 03/05/07 11:00**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7C05019	03/05/07	03/05/07 15:10	EPA 8015B/8021B	
Benzene	**0.17**	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	**0.28**	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	**0.054**	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	**0.065**	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0080
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/13/07 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C05019 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7C05019-BLK1)				Prepared & Analyzed: 03/05/07						
Gasoline Range Organics (C4-C12)	ND	12	ppmv							
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Benzene	ND	0.50	"							
Benzene	ND	0.16	ppmv							
Toluene	ND	0.50	mg/m³ Air							
Toluene	ND	0.13	ppmv							
Ethylbenzene	ND	0.50	mg/m³ Air							
Ethylbenzene	ND	0.12	ppmv							
Xylenes (total)	ND	1.0	mg/m³ Air							
Xylenes (total)	ND	0.24	ppmv							
Methyl tert-butyl ether	ND	2.5	mg/m³ Air							
Methyl tert-butyl ether	ND	0.69	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*38.1*		*mg/m³ Air*	*40.0*		*95*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.38*		*ppmv*	*6.70*		*95*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*39.8*		*mg/m³ Air*	*40.0*		*100*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.56*		*ppmv*	*5.59*		*99*	*70-125*			
Laboratory Control Sample (7C05019-BS1)				Prepared & Analyzed: 03/05/07						
Gasoline Range Organics (C4-C12)	72.5	12	ppmv	78.0		93	70-115			
Gasoline Range Organics (C4-C12)	255	50	mg/m³ Air	275		93	70-115			
Benzene	1.54	0.16	ppmv	1.52		101	80-150			
Benzene	4.90	0.50	mg/m³ Air	4.85		101	80-150			
Toluene	5.77	0.13	ppmv	6.25		92	75-125			
Toluene	21.7	0.50	mg/m³ Air	23.5		92	75-125			
Ethylbenzene	1.05	0.12	ppmv	1.08		97	75-135			
Ethylbenzene	4.55	0.50	mg/m³ Air	4.70		97	75-135			
Xylenes (total)	5.69	0.24	ppmv	6.12		93	75-135			
Xylenes (total)	24.7	1.0	mg/m³ Air	26.5		93	75-135			
Methyl tert-butyl ether	1.48	0.69	ppmv	1.81		82	60-140			
Methyl tert-butyl ether	5.33	2.5	mg/m³ Air	6.50		82	60-140			
Surrogate: a,a,a-Trifluorotoluene	*6.11*		*ppmv*	*6.70*		*91*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*36.5*		*mg/m³ Air*	*40.0*		*91*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*5.57*		*ppmv*	*5.59*		*100*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*39.9*		*mg/m³ Air*	*40.0*		*100*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0080
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/13/07 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C05019 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample Dup (7C05019-BSD1)			Prepared & Analyzed: 03/05/07							
Gasoline Range Organics (C4-C12)	268	50	mg/m³ Air	275		97	70-115	5	35	
Gasoline Range Organics (C4-C12)	76.0	12	ppmv	78.0		97	70-115	5	35	
Benzene	5.11	0.50	mg/m³ Air	4.85		105	80-150	4	35	
Benzene	1.60	0.16	ppmv	1.52		105	80-150	4	35	
Toluene	22.5	0.50	mg/m³ Air	23.5		96	75-125	4	30	
Toluene	5.99	0.13	ppmv	6.25		96	75-125	4	30	
Ethylbenzene	4.72	0.50	mg/m³ Air	4.70		100	75-135	4	30	
Ethylbenzene	1.09	0.12	ppmv	1.08		101	75-135	4	30	
Xylenes (total)	25.6	1.0	mg/m³ Air	26.5		97	75-135	4	30	
Xylenes (total)	5.90	0.24	ppmv	6.12		96	75-135	4	30	
Methyl tert-butyl ether	1.51	0.69	"	1.81		83	60-140	2	30	
Methyl tert-butyl ether	5.42	2.5	mg/m³ Air	6.50		83	60-140	2	30	
Surrogate: a,a,a-Trifluorotoluene	*37.6*		"	*40.0*		*94*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.30*		*ppmv*	*6.70*		*94*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*40.8*		*mg/m³ Air*	*40.0*		*102*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.70*		*ppmv*	*5.59*		*102*	*70-125*			
Batch 7C06001 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7C06001-BLK1)			Prepared & Analyzed: 03/06/07							
Gasoline Range Organics (C4-C12)	ND	12	ppmv							
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Benzene	ND	0.50	"							
Benzene	ND	0.16	ppmv							
Toluene	ND	0.13	"							
Toluene	ND	0.50	mg/m³ Air							
Ethylbenzene	ND	0.12	ppmv							
Ethylbenzene	ND	0.50	mg/m³ Air							
Xylenes (total)	ND	0.24	ppmv							
Xylenes (total)	ND	1.0	mg/m³ Air							
Methyl tert-butyl ether	ND	0.69	ppmv							
Methyl tert-butyl ether	ND	2.5	mg/m³ Air							
Surrogate: a,a,a-Trifluorotoluene	*39.7*		"	*40.0*		*99*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.64*		*ppmv*	*6.70*		*99*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*40.0*		*mg/m³ Air*	*40.0*		*100*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.59*		*ppmv*	*5.59*		*100*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0080
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/13/07 12:20

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C06001 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample (7C06001-BS1)				Prepared & Analyzed: 03/06/07						
Gasoline Range Organics (C4-C12)	263	50	mg/m³ Air	275		96	70-115			
Gasoline Range Organics (C4-C12)	74.7	12	ppmv	78.0		96	70-115			
Benzene	4.87	0.50	mg/m³ Air	4.85		100	80-150			
Benzene	1.53	0.16	ppmv	1.52		101	80-150			
Toluene	21.5	0.50	mg/m³ Air	23.5		91	75-125			
Toluene	5.71	0.13	ppmv	6.25		91	75-125			
Ethylbenzene	1.03	0.12	"	1.08		95	75-135			
Ethylbenzene	4.46	0.50	mg/m³ Air	4.70		95	75-135			
Xylenes (total)	5.61	0.24	ppmv	6.12		92	75-135			
Xylenes (total)	24.3	1.0	mg/m³ Air	26.5		92	75-135			
Methyl tert-butyl ether	1.38	0.69	ppmv	1.81		76	60-140			
Methyl tert-butyl ether	4.97	2.5	mg/m³ Air	6.50		76	60-140			
Surrogate: a,a,a-Trifluorotoluene	*36.9*		"	*40.0*		*92*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.19*		*ppmv*	*6.70*		*92*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*40.8*		*mg/m³ Air*	*40.0*		*102*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.71*		*ppmv*	*5.59*		*102*	*70-125*			
Laboratory Control Sample Dup (7C06001-BSD1)				Prepared & Analyzed: 03/06/07						
Gasoline Range Organics (C4-C12)	261	50	mg/m³ Air	275		95	70-115	0.8	35	
Gasoline Range Organics (C4-C12)	74.0	12	ppmv	78.0		95	70-115	0.9	35	
Benzene	5.03	0.50	mg/m³ Air	4.85		104	80-150	3	35	
Benzene	1.58	0.16	ppmv	1.52		104	80-150	3	35	
Toluene	22.1	0.50	mg/m³ Air	23.5		94	75-125	3	30	
Toluene	5.87	0.13	ppmv	6.25		94	75-125	3	30	
Ethylbenzene	4.59	0.50	mg/m³ Air	4.70		98	75-135	3	30	
Ethylbenzene	1.06	0.12	ppmv	1.08		98	75-135	3	30	
Xylenes (total)	24.9	1.0	mg/m³ Air	26.5		94	75-135	2	30	
Xylenes (total)	5.74	0.24	ppmv	6.12		94	75-135	2	30	
Methyl tert-butyl ether	5.14	2.5	mg/m³ Air	6.50		79	60-140	3	30	
Methyl tert-butyl ether	1.43	0.69	ppmv	1.81		79	60-140	4	30	
Surrogate: a,a,a-Trifluorotoluene	*37.5*		*mg/m³ Air*	*40.0*		*94*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.28*		*ppmv*	*6.70*		*94*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*40.5*		*mg/m³ Air*	*40.0*		*101*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.66*		*ppmv*	*5.59*		*101*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0080
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/13/07 12:20

Notes and Definitions

PI	Primary and confirm results varied by > than 40% RPD
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

RUSH

Project Name: ARCO Facility No. 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda
State or Lead Regulatory Agency: California Regional Water Quality Control Board
Requested Due Date (mm/dd/yy): 24 hours for Effluent & STD for others

On-site Time:	0500	Temp:	48
Off-site Time:	0730	Temp:	50
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis St., San Leandro	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.: T0600101764	Consultant/Contractor Project No.: E2111-03
Tele/Fax: 408-782-8156/ 408-782-6308	Enfos Project No.: G0C28-0023	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: 03-O&M	Report Type & QC Level: Level I with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506/925-275-3815	Cost Element: Subcontractor Cost	Invoice to: Atlantic Richfield Co.

Lab Bottle Order No: MPC0080

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 by 8015	Requested Analysis: BTEX by 8260	Requested Analysis: MTBE by 8260	Turnaround Time: 24-hours	Turnaround Time: Standard	Sample Point Lat/Long and Comments
1	02111DPEAINF	0638	3507			x	01	2						x	x	x		x	
2	02111ASAEFF	0636				x	02	2						x	x	x		x	
3	02111ASYSINF	0634				x	03	2						x	x	x		x	
4	02111AGAC1	0632				x	04	2						x	x	x		x	
5	02111AEFF	0630				x	05	2						x	x	x	x		
6																			
7																			
8																			
9																			
10																			

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stratus Environmental, Inc.		3507	1050		3/5/07	1100
Shipment Date: 3-5-07						
Shipment Method: Stratus						
Shipment Tracking No:						

Special Instructions: Please cc results to bpedf@broadbentinc.Com

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Shaw
REC. BY (PRINT): EB
WORKORDER: 140008W

DATE REC'D AT LAB: 3-5-07
TIME REC'D AT LAB: 1100
DATE LOGGED IN: 3-5-07

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

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

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC Ted Lee

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

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12 March, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQC0292

Enclosed are the results of analyses for samples received by the laboratory on 03/09/07 10:05. 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: ARCO #2111, San Leandro, CA	MQC0292
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/12/07 11:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111AEFF	MQC0292-01	Vapor	03/08/07 05:10	03/09/07 10:05

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: ARCO #2111, San Leandro, CA	MQC0292
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/12/07 11:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AEFF (MQC0292-01) Vapor	**Sampled: 03/08/07 05:10**		**Received: 03/09/07 10:05**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7C10001	03/10/07	03/10/07 13:43	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Benzene	ND	0.031	"	"	"	"	"	"	
Toluene	ND	0.027	"	"	"	"	"	"	
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	ND	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0292
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/12/07 11:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C10001 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7C10001-BLK1)				Prepared & Analyzed: 03/10/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	12	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Toluene	ND	0.50	mg/m³ Air							
Toluene	ND	0.13	ppmv							
Ethylbenzene	ND	0.50	mg/m³ Air							
Ethylbenzene	ND	0.12	ppmv							
Xylenes (total)	ND	1.0	mg/m³ Air							
Xylenes (total)	ND	0.24	ppmv							
Methyl tert-butyl ether	ND	2.5	mg/m³ Air							
Methyl tert-butyl ether	ND	0.69	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*38.3*		*mg/m³ Air*	*40.0*		*96*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.41*		*ppmv*	*6.70*		*96*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*39.8*		*mg/m³ Air*	*40.0*		*100*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.57*		*ppmv*	*5.59*		*100*	*70-125*			
Laboratory Control Sample (7C10001-BS1)				Prepared & Analyzed: 03/10/07						
Gasoline Range Organics (C4-C12)	252	50	mg/m³ Air	275		92	70-115			
Gasoline Range Organics (C4-C12)	71.6	12	ppmv	78.0		92	70-115			
Benzene	4.91	0.50	mg/m³ Air	4.85		101	80-150			
Benzene	1.54	0.16	ppmv	1.52		101	80-150			
Toluene	21.7	0.50	mg/m³ Air	23.5		92	75-125			
Toluene	5.77	0.13	ppmv	6.25		92	75-125			
Ethylbenzene	4.53	0.50	mg/m³ Air	4.70		96	75-135			
Ethylbenzene	1.04	0.12	ppmv	1.08		96	75-135			
Xylenes (total)	24.7	1.0	mg/m³ Air	26.5		93	75-135			
Xylenes (total)	5.70	0.24	ppmv	6.12		93	75-135			
Methyl tert-butyl ether	4.96	2.5	mg/m³ Air	6.50		76	60-140			
Methyl tert-butyl ether	1.38	0.69	ppmv	1.81		76	60-140			
Surrogate: a,a,a-Trifluorotoluene	*38.9*		*mg/m³ Air*	*40.0*		*97*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.51*		*ppmv*	*6.70*		*97*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*41.6*		*mg/m³ Air*	*40.0*		*104*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.81*		*ppmv*	*5.59*		*104*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0292
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/12/07 11:05

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C10001 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample Dup (7C10001-BSD1)				Prepared & Analyzed: 03/10/07						
Gasoline Range Organics (C4-C12)	263	50	mg/m³ Air	275		96	70-115	4	35	
Gasoline Range Organics (C4-C12)	74.7	12	ppmv	78.0		96	70-115	4	35	
Benzene	4.95	0.50	mg/m³ Air	4.85		102	80-150	0.8	35	
Benzene	1.55	0.16	ppmv	1.52		102	80-150	0.6	35	
Toluene	5.88	0.13	"	6.25		94	75-125	2	30	
Toluene	22.1	0.50	mg/m³ Air	23.5		94	75-125	2	30	
Ethylbenzene	4.62	0.50	"	4.70		98	75-135	2	30	
Ethylbenzene	1.07	0.12	ppmv	1.08		99	75-135	3	30	
Xylenes (total)	25.2	1.0	mg/m³ Air	26.5		95	75-135	2	30	
Xylenes (total)	5.81	0.24	ppmv	6.12		95	75-135	2	30	
Methyl tert-butyl ether	4.88	2.5	mg/m³ Air	6.50		75	60-140	2	30	
Methyl tert-butyl ether	1.36	0.69	ppmv	1.81		75	60-140	1	30	
Surrogate: a,a,a-Trifluorotoluene	*37.7*		*mg/m³ Air*	*40.0*		*94*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*6.32*		*ppmv*	*6.70*		*94*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*41.5*		*mg/m³ Air*	*40.0*		*104*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.80*		*ppmv*	*5.59*		*104*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0292
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/12/07 11:05

Notes and Definitions

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

Rush

Page ___ of 1-1

Project Name: ARCO 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 2111
State or Lead Regulatory Agency: RWQCB - San Francisco
Requested Due Date (mm/dd/yy): 24 HR TAT

On-site Time: 0450	Temp: 40
Off-site Time:	Temp:
Sky Conditions: Clear	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, San Leandro	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.: T0600101764	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0023	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: 03-O & M	Report Type & QC Level: Level I with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@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: GRO 8015	Requested Analysis: BTEX 8260	Requested Analysis: MTBE 8260	Sample Point Lat/Long and Comments
1	0211(A EFF	0510	3-6-07			X	140292	2						X	X	X	24 HR TAT
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stantec	[signature] Stantec	3607	1200	Andy Medlen	3-9-07	1105
Shipment Date: 3-6-07						
Shipment Method: FedEx						
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)

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco
REC. BY (PRINT) A.M.
WORKORDER: 460292

DATE REC'D AT LAB: 3-9-07
TIME REC'D AT LAB: 1005
DATE LOGGED IN: 3-9-07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: (Present) / Absent								
4. Airbill: Airbill / (Sticker) Present / Absent								
5. Airbill #: 8592 4855 0907 FedEx								
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: — Corrected Temp: — Is corrected temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.)								
Exception (if any): METALS / DFF ON ICE								
Problem COC Air bag								

3-9-07 A.M. Sal COC

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

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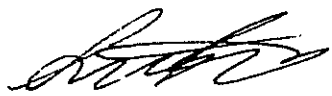
19 March, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQC0083

Enclosed are the results of analyses for samples received by the laboratory on 03/05/07 11:00. 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: ARCO #2111, San Leandro, CA	MQC0083
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111ASWINF	MQC0083-01	Water	03/05/07 06:18	03/05/07 11:00
02111ASWEFF	MQC0083-02	Water	03/05/07 06:07	03/05/07 11:00
02111WGAC1	MQC0083-03	Water	03/05/07 06:02	03/05/07 11:00
02111WEFF	MQC0083-04	Water	03/05/07 05:55	03/05/07 11:00
02111MW2WINF	MQC0083-05	Water	03/05/07 06:13	03/05/07 11:00
02111DPEWINF	MQC0083-06	Water	03/05/07 05:52	03/05/07 11:00
TB2113507	MQC0083-07	Water	03/05/07 06:20	03/05/07 11:00

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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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWINF (MQC0083-01) Water Sampled: 03/05/07 06:18 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	**1500**	500	ug/l	10	7C05005	03/05/07	03/05/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-145*		"	"	"	"	
02111ASWEFF (MQC0083-02) Water Sampled: 03/05/07 06:07 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	**220**	50	ug/l	1	7C05005	03/05/07	03/05/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
02111WGAC1 (MQC0083-03) Water Sampled: 03/05/07 06:02 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C05005	03/05/07	03/05/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-145*		"	"	"	"	
02111WEFF (MQC0083-04) Water Sampled: 03/05/07 05:55 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C05005	03/05/07	03/05/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
02111MW2WINF (MQC0083-05) Water Sampled: 03/05/07 06:13 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	**2600**	1000	ug/l	20	7C05005	03/05/07	03/05/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-145*		"	"	"	"	
02111DPEWINF (MQC0083-06) Water Sampled: 03/05/07 05:52 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	**1500**	500	ug/l	10	7C05005	03/05/07	03/05/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-145*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0083
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWINF (MQC0083-01) Water	**Sampled: 03/05/07 06:18**		**Received: 03/05/07 11:00**						
tert-Amyl methyl ether	**5.6**	5.0	ug/l	10	7C05005	03/05/07	03/05/07	EPA 8260B	
Benzene	**20**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1600**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**16**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1600**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**15**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78 %*	*60-120*		"	"	"	"	
02111ASWEFF (MQC0083-02) Water	**Sampled: 03/05/07 06:07**		**Received: 03/05/07 11:00**						
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C05005	03/05/07	03/05/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**1600**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**200**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75 %*	*60-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0083
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WGAC1 (MQC0083-03) Water Sampled: 03/05/07 06:02 Received: 03/05/07 11:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C05005	03/05/07	03/05/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.2**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75 %*	*60-120*		"	"	"	"	
02111WEFF (MQC0083-04) Water Sampled: 03/05/07 05:55 Received: 03/05/07 11:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C05005	03/05/07	03/05/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
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		*96 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*86 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76 %*	*60-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0083
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111MW2WINF (MQC0083-05) Water	**Sampled: 03/05/07 06:13**		**Received: 03/05/07 11:00**						
tert-Amyl methyl ether	ND	10	ug/l	20	7C05005	03/05/07	03/05/07	EPA 8260B	
Benzene	**71**	10	"	"	"	"	"	"	
tert-Butyl alcohol	**1900**	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	**64**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**2000**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	**34**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*60-120*		"	"	"	"	
02111DPEWINF (MQC0083-06) Water	**Sampled: 03/05/07 05:52**		**Received: 03/05/07 11:00**						
tert-Amyl methyl ether	**6.9**	5.0	ug/l	10	7C05005	03/05/07	03/05/07	EPA 8260B	
Benzene	**8.5**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**2000**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**7.7**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**2000**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**11**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*86 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75 %*	*60-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0083
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

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 7C05005 - EPA 5030B P/T / LUFT GCMS										
Blank (7C05005-BLK1)				Prepared & Analyzed: 03/05/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.65*		"	*2.50*		*106*	*60-145*			
Laboratory Control Sample (7C05005-BS2)				Prepared & Analyzed: 03/05/07						
Gasoline Range Organics (C4-C12)	434	50	ug/l	500		87	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.73*		"	*2.50*		*109*	*60-145*			
Laboratory Control Sample Dup (7C05005-BSD2)				Prepared & Analyzed: 03/05/07						
Gasoline Range Organics (C4-C12)	424	50	ug/l	500		85	75-140	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.65*		"	*2.50*		*106*	*60-145*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQC0083
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

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 7C05005 - EPA 5030B P/T / EPA 8260B										
Blank (7C05005-BLK1)				Prepared & Analyzed: 03/05/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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	*2.47*		"	*2.50*		*99*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.65*		"	*2.50*		*106*	*60-145*			
Surrogate: Toluene-d8	*2.27*		"	*2.50*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.10*		"	*2.50*		*84*	*60-120*			
Laboratory Control Sample (7C05005-BS1)				Prepared & Analyzed: 03/05/07						
tert-Amyl methyl ether	10.9	0.50	ug/l	10.0		109	65-135			
Benzene	10.2	0.50	"	10.0		102	70-125			
tert-Butyl alcohol	203	20	"	200		102	60-135			
Di-isopropyl ether	10.6	0.50	"	10.0		106	70-130			
Ethyl tert-butyl ether	10.8	0.50	"	10.0		108	65-130			
Ethylbenzene	11.5	0.50	"	10.0		115	70-130			
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	50-140			
Toluene	10.5	0.50	"	10.0		105	70-120			
Xylenes (total)	34.7	0.50	"	30.0		116	80-125			
Surrogate: Dibromofluoromethane	*2.56*		"	*2.50*		*102*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.63*		"	*2.50*		*105*	*60-145*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.55*		"	*2.50*		*102*	*60-120*			

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: ARCO #2111, San Leandro, CA	MQC0083
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

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 7C05005 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7C05005-MS1)	**Source: MQC0065-01**			Prepared & Analyzed: 03/05/07						
tert-Amyl methyl ether	9.67	0.50	ug/l	10.0	ND	97	65-135			
Benzene	9.16	0.50	"	10.0	ND	92	70-125			
tert-Butyl alcohol	197	20	"	200	ND	98	60-135			
Di-isopropyl ether	9.66	0.50	"	10.0	ND	97	70-130			
Ethyl tert-butyl ether	9.79	0.50	"	10.0	ND	98	65-130			
Ethylbenzene	10.7	0.50	"	10.0	ND	107	70-130			
Methyl tert-butyl ether	10.1	0.50	"	10.0	ND	101	50-140			
Toluene	9.53	0.50	"	10.0	ND	95	70-120			
Xylenes (total)	32.8	0.50	"	30.0	ND	109	80-125			
Surrogate: Dibromofluoromethane	*2.56*		"	*2.50*		*102*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.54*		"	*2.50*		*102*	*60-145*			
Surrogate: Toluene-d8	*2.46*		"	*2.50*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.63*		"	*2.50*		*105*	*60-120*			
Matrix Spike Dup (7C05005-MSD1)	**Source: MQC0065-01**			Prepared & Analyzed: 03/05/07						
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0	ND	104	65-135	7	25	
Benzene	9.64	0.50	"	10.0	ND	96	70-125	5	15	
tert-Butyl alcohol	203	20	"	200	ND	102	60-135	3	35	
Di-isopropyl ether	10.2	0.50	"	10.0	ND	102	70-130	5	35	
Ethyl tert-butyl ether	10.4	0.50	"	10.0	ND	104	65-130	6	35	
Ethylbenzene	11.0	0.50	"	10.0	ND	110	70-130	3	15	
Methyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	50-140	5	25	
Toluene	9.97	0.50	"	10.0	ND	100	70-120	5	15	
Xylenes (total)	33.7	0.50	"	30.0	ND	112	80-125	3	15	
Surrogate: Dibromofluoromethane	*2.50*		"	*2.50*		*100*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.53*		"	*2.50*		*101*	*60-145*			
Surrogate: Toluene-d8	*2.46*		"	*2.50*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.64*		"	*2.50*		*106*	*60-120*			

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: ARCO #2111, San Leandro, CA	MQC0083
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/19/07 13:26

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
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

RUSH

Project Name: ARCO Facility No. 2111
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda
State or Lead Regulatory Agency: California Regional Water Quality Control Board
Requested Due Date (mm/dd/yy): 24 hours for Effluent & STD for others

On-site Time:	0550	Temp:	48
Off-site Time:	0730	Temp:	50
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis St., San Leandro	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.: T0600101764	Consultant/Contractor Project No.: E2111-03
Tele/Fax: 408-782-8156/ 408-782-6308	Enfos Project No.: G0C28-0023	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: 03-O&M	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: 925-275-3506/925-275-3815	Cost Element: Subcontractor Cost	Invoice to: Atlantic Richfield Co.

Lab Bottle Order No: 616C0083

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 by 8015	Requested Analysis: BTEX by 8260	Requested Analysis: 5-oxygenates by 8260	Turnaround Time: 24-hours	Turnaround Time: Standard	Sample Point Lat/Long and Comments
1	~~02111DPWADNF EDF~~				X			4				X		X	X	X		X	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0615	3-5-07		X		01	4				X		X	X	X		X	
3	02111ASWEFF	0607			X		02	4				X		X	X	X		X	
4	02111WGAC1	0602			X		03	4				X		X	X	X		X	
5	02111WEFF	0555			X		04	4				X		X	X	X	X		
6	02111MW2WINF	0613			X		05	4				X		X	X	X		X	
7	02116DPE WTWF	0552			X		06	4				X		X	X	X		X	
8																			
9																			
10	TB2H43507	0920			X		07	2											Hold

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stratus Environmental, Inc.		3507	1055		3/5/07	1100
Shipment Date: 3507						
Shipment Method: Stratus						
Shipment Tracking No:						

Special Instructions: Please cc results to bpedf@broadbentinc.Com

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Shaw's
REC. BY (PRINT): EB
WORKORDER: 460083

DATE REC'D AT LAB: 3-5-07
TIME REC'D AT LAB: 1100
DATE LOGGED IN: 3-5-07

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*								
2. Chain-of-Custody	Present / Absent*								
3. Traffic Reports or Packing List:	Present / Absent								
4. Airbill:	Airbill / Sticker Present / Absent								
5. Airbill #:									
6. Sample Labels:	Present / Absent								
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody					1100			
8. Sample Condition:	Intact / Broken* / Leaking*				3 4 07				
9. **Does information on chain-of-custody, traffic reports and sample labels agree?**	Yes / No*			COC					
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: 6C Corrected Temp: 4C Is corrected temp 4 +/-2°C?	Yes / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC

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

APPENDIX D

STRATUS REMEDIATION SYSTEM MONTHLY DISCHARGE REPORTS
(INCLUDES BRIEF STATEMENTS SUMMARIZING OPERATIONS AND SEWER DISCHARGE SUMMARY TABLES)

STRATUS ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date February 2, 2007

Project E2111-03

To:
Ms. Tiffany Treece
City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, CA 94577

Re: Permit # SD-036, ARCO Service Station No. 2111, 1156 Davis Street, San Leandro

Item	Description
1	Monthly Discharge Report for January 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for January 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. The operation of the dual phase extraction (DPE) system, air stripper (AS) and the groundwater extraction and treatment (GETS) was initiated on January 29, 2007. A total of approximately 5,560 gallons of treated groundwater was discharged to the sanitary sewer between January 29 and 31, 2007.

If you have any questions or need any additional information, please call me at (530) 676-6000.

Sincerely,

Jay R. Johnson, P.G.
Project Manager

cc: Mr. Rob Miller, Broadbent & Associates, Inc.

MONTHLY DISCHARGE REPORT
ARCO SERVICE STATION #2111, 1156 DAVIS STREET

This form and enclosed documents serve as the remediation activities monthly discharge report to the City of San Leandro for the reporting period of: January 29, 2007 to January 31, 2007. This report is submitted in compliance with 40 CFR 403.12 and Part III (A) of Special Discharge Permit **SD-036**. The information contained in this report is accurate and complete. For any questions or comments regarding this report, contact Kiran Nagaraju at (530) 676 6007.

Number of days discharged: 3

Total monthly discharge: 5,560 U. S. Gallons

Signature of Certifying Official: _____

Printed Name of Official: Jay R. Johnson, P.G.

Title: Project Manager

Date: February 2, 2007

Include a brief statement summarizing the month's operations:

The operation of the dual phase extraction (DPE) system, air stripper (AS) and the groundwater extraction and treatment system (GETS) was initiated on January 29, 2007. Soil vapors and groundwater were concurrently extracted from wells V-1, V-2, V-3, MW-1, MW-3, MW-7, and MW-8 using the liquid ring pump of the DPE system. In addition, groundwater was also extracted from well MW-2 using the electrical submersible pump. The level floats/controller of the submersible pump malfunctioned on January 29, 2007, and the pump shutdown. The submersible pump will be re-started during February 2007 after troubleshooting the level floats/controller. The groundwater extracted by both the DPE and the submersible pump is treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer.

Submit reports to: City of San Leandro – Environmental Services Division
835 East 14th Street, San Leandro CA 94577

TABLE 1
SEWER DISCHARGE SUMMARY REPORT
ARCO Facility No. 2111
1156 Davis Street
San Leandro, California

Report Month (month/year)	Date	Totalizer Reading (gallons)	Monthy Discharge (gallons)
January-07	1/29/07 8:00	System Start-up	5,560
	1/29/07 8:00	3,000	
	1/29/07[1] 12:00 PM	5,000	
	01/30/07	6,200	
	01/31/07	8,560	

Notes:
NM = Not measured
[1] Submersible pump at well MW-2 was shutdown. This pump will be re-started after troubleshooting the floats malfunction.

STRATUS ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date March 2, 2007

Project E2111-03

To:
Ms. Tiffany Treece
City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, CA 94577

Re: Permit # SD-036, ARCO Service Station No. 2111, 1156 Davis Street, San Leandro

Item	Description
1	Monthly Discharge Report for February 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for February 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. A total of approximately 114,230 gallons of treated groundwater was discharged to the sanitary sewer between February 1 and 20, 2007.

If you have any questions or need any additional information, please call either Kiran Nagaraju at (530) 676 6007 or myself at (530) 676-6000.

Sincerely,

Jay R. Johnson, P.G.
Project Manager

cc: Mr. Rob Miller, Broadbent & Associates, Inc.

MONTHLY DISCHARGE REPORT
ARCO SERVICE STATION #2111, 1156 DAVIS STREET

This form and enclosed documents serve as the remediation activities monthly discharge report to the City of San Leandro for the reporting period of: February 1, 2007 to February 20, 2007. This report is submitted in compliance with 40 CFR 403.12 and Part III (A) of Special Discharge Permit **SD-036**. The information contained in this report is accurate and complete. For any questions or comments regarding this report, contact Kiran Nagaraju at (530) 676 6007.

Number of days discharged: 20

Total monthly discharge: 114,230 U. S. Gallons

Signature of Certifying Official: _____

Printed Name of Official: Jay R. Johnson, P.G.

Title: Project Manager

Date: March 2, 2007

Include a brief statement summarizing the month's operations:

The operation of the dual phase extraction (DPE) system, air stripper (AS) and the groundwater extraction and treatment system (GETS) was initiated on January 29, 2007. Soil vapors and groundwater were concurrently extracted from wells V-1, V-2, V-3, MW-1, MW-3, MW-7, and MW-8 using the liquid ring pump of the DPE system. The groundwater extracted by both the DPE and the submersible pump is treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer. A total of approximately 114,230 gallons of groundwater was extracted, treated, and discharged to the sanitary sewer between February 1 and 20, 2007.

Submit reports to: City of San Leandro – Environmental Services Division
835 East 14th Street, San Leandro CA 94577

TABLE 1
SEWER DISCHARGE SUMMARY REPORT
ARCO Service Station No. 2111
1156 Davis Street
San Leandro, California

Report Month (month/year)	Date	Effluent Totalizer Reading (gallons)	Monthy Discharge (gallons)
January-07	1/29/07 8:00	System Start-up	5,560
	1/29/07 8:00	3,000	
	1/29/07[1] 12:00	5,000	
	01/30/07	6,200	
	01/31/07	8,560	
21/1/2007	2/1/07 5:15	16,860	114,230
	2/2/07 5:00	25,480	
	2/5/07 5:00	33,400	
	2/20/07 6:30	122,790	

Notes:
NM = Not measured
[1] Submersible pump at well MW-2 was shutdown. This pump will be re-started after troubleshooting the level floats/controller malfunction.

STRATUS ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date April 2, 2007

Project E2111-03

To:
Ms. Tiffany Treece
City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, CA 94577

Re: Permit # SD-036, ARCO Service Station No. 2111, 1156 Davis Street, San Leandro

Item	Description
1	Monthly Discharge Report for March 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for March 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. A total of approximately 10,472 gallons of treated groundwater were discharged to the sanitary sewer between February 20, 2007 and March 29, 2007.

If you have any questions or need any additional information, please call either Kiran Nagaraju at (530) 676 6007 or myself at (530) 676-6000.

Sincerely,

Jay R. Johnson, P.G.
Project Manager

cc: Mr. Rob Miller, Broadbent & Associates, Inc.

MONTHLY DISCHARGE REPORT
ARCO SERVICE STATION #2111, 1156 DAVIS STREET

This form and enclosed documents serve as the remediation activities monthly discharge report to the City of San Leandro for the reporting period of: February 20, 2007 to March 29, 2007. This report is submitted in compliance with 40 CFR 403.12 and Part III (A) of Special Discharge Permit **SD-036**. The information contained in this report is accurate and complete. For any questions or comments regarding this report, contact Kiran Nagaraju at (530) 676 6007.

Number of days discharged: 37

Total monthly discharge: 114,230 U. S. Gallons

Signature of Certifying Official: for PG

Printed Name of Official: Jay R. Johnson, P.G.

Title: Project Manager

Date: April 2, 2007

Include a brief statement summarizing the month's operations:

The operation of the dual phase extraction (DPE) system, air stripper (AS) and the groundwater extraction and treatment system (GETS) was initiated on January 29, 2007. Soil vapors and groundwater were concurrently extracted from wells V-1, V-2, V-3, MW-1, MW-3, MW-7, and MW-8 using the liquid ring pump of the DPE system. The groundwater extracted by both the DPE and the submersible pump is treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer. A total of approximately 10,472 gallons of groundwater was extracted, treated, and discharged to the sanitary sewer between February 20, 2007 and March 29, 2007.

Submit reports to: City of San Leandro – Environmental Services Division
835 East 14th Street, San Leandro CA 94577

TABLE 1
SEWER DISCHARGE SUMMARY REPORT
ARCO Service Station No. 2111
1156 Davis Street
San Leandro, California

Report Month (month/year)	Date	Effluent Totalizer Reading (gallons)	Monthy Discharge (gallons)
January-07	1/29/07 8:00	System Start-up	5,560
	1/29/07 8:00	3,000	
	1/29/07[1] 12:00	5,000	
	01/30/07	6,200	
	01/31/07	8,560	
February-07	2/1/07 5:15	16,860	114,230
	2/2/07 5:00	25,480	
	2/5/07 5:00	33,400	
	2/20/07 6:30	122,790	
March-07	3/5/07[2] 5:00	130,565	10,472
	3/8/07[3] 4:50	132,951	
	3/14/07[4] 7:00	NM	
	3/29/07[5] 10:00	133,262	

Notes:
NM = Not measured

[1] Submersible pump at well MW-2 was shutdown. This pump will be re-started after troubleshooting the level floats/controller malfunction.

[2] System observed non-functioning upon arrival. Re-started by re-setting power supply.

[3] System shutdown to verify effluent air results.

[4] System shutdown due to float malfunction.

[5] System re-started after replacing the floats.