Atlantic Richfield Company
(a BP affiliated company)

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

31 July 2007

Re: Second 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

"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

Second 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

1324 Mangrove Avenue, Suite 212
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(530) 566-1400
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31 July 2007

Project No. 06-08-615

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

31 July 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: Second 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:

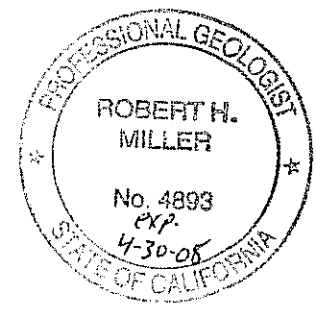
Attached is the *Second Quarter 2007 Ground-Water Monitoring and Remediation System Status Report* for Atlantic Richfield Company Station #2111 (herein referred to as Station #2111) located at 1156 Davis Street, San Leandro, California (Property). This report presents results of ground-water monitoring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

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 (Second Quarter 2007):

1. Prepared and submitted First Quarter 2007 report.
2. Conducted ground-water monitoring/sampling for Second Quarter 2007. Work performed on 18 April 2007 by Stratus Environmental, Inc (Stratus).
3. Performed routine operation, maintenance and performance monitoring of the DPE treatment system (Stratus).
4. Submitted monthly discharge reports for April, May and June 2007 to the City of San Leandro (Stratus).

WORK PROPOSED FOR NEXT QUARTER (Third Quarter 2007):

1. Prepared and submitted this Second Quarter 2007 Ground-Water Monitoring and Remediation System Status Report (contained herein).
2. Conduct quarterly ground-water monitoring/sampling for Third Quarter 2007.
3. Continue operation, maintenance and performance monitoring of the DPE treatment system.
4. Submit monthly discharge reports for July-September 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):	**13.67 ft (MW-6) to 16.69 ft (MW-1)**
General ground-water flow direction:	**West**
Approximate hydraulic gradient:	**0.009 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**
Frequency of DPE system field monitoring:	**Bi-weekly**
Frequency of DPE system sampling:	**Monthly**

QUARTERLY RESULTS SUMMARY (Continued):

Gallons of ground water treated and discharged:	This Quarter 299,657		Cumulative 430,222	
Total operation hours to date:	538		982	
Mass Removal (pounds)				
Gasoline range organics (GRO):	2.077 (GWE)	80.19 (SVE)	3.683 (GWE)	157.72 (SVE)
Benzene:	0.011 (GWE)		0.037 (GWE)	
Methyl-tert butyl ether (MTBE):	2.283 (GWE)		3.947 (GWE)	
Ground-water DPE system influent sample results (µg/L):	4/2/2007	5/1/2007	6/4/2007	
GRO:	1,000	900	540	
Benzene:	7.1	<5.0	<5.0	
MTBE:	1,200	900	670	
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:	190	160	360	
Benzene:	4.3	<0.50	0.56	
MTBE:	30	18	14	
Soil vapor DPE system effluent sample results (µg/L):				
GRO:	<10	<50	<50	
Benzene:	<0.10	<0.50	<0.50	
MTBE:	<0.50	<0.50	<0.50	

DISCUSSION:

Second quarter 2007 ground-water monitoring and sampling was conducted at Station #2111 on 18 April 2007 by Stratus personnel. Water levels were gauged in the eight wells at the Site. Depth to water measurements ranged from 13.67 ft at MW-6 to 16.69 ft at MW-1. Resulting ground-water surface elevations ranged from 24.24 ft above mean sea level in well MW-7 to 22.62 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 west at approximately 0.009 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 samples collected in wells MW-5, MW-7 and MW-8 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 five of the seven wells sampled at concentrations up to 3,000 micrograms per liter (µg/L) in wells MW-2 and MW-7. Benzene was detected above the laboratory reporting limit in three of the seven wells sampled at concentrations up to 50 µg/L in well MW-7. Ethylbenzene was detected above the laboratory reporting limit in one of the seven wells sampled at a concentration of 32 µg/L in well MW-2. Total Xylenes were detected above the laboratory reporting limit in one of the seven wells sampled at a concentration of 22 µg/L in well MW-2. TAME was detected above the laboratory reporting limit in three of the seven wells sampled at concentrations up to 1.9 µg/L in well MW-8. TBA was detected above the laboratory reporting limit in three of the seven wells sampled at concentrations up to 2,000 µg/L in well MW-5. MTBE was detected above the laboratory reporting limit in each of the seven wells sampled at concentrations up to 2,700 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 exception: the concentration of MTBE in well MW-5 reached a historic minimum value of 16 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.

For the Second Quarter 2007 period from 2 April 2007 to 26 June 2007, the DPE system reportedly operated approximately 24 percent of the time. During this period, a total of 299,657 gallons of ground water was treated and discharged. During the Second Quarter 2007, approximately 82.27 pounds of GRO (13.49 gallons), approximately 0.011 pounds of benzene (0.001 gallons), and approximately 2.283 pounds of MTBE (0.3694 gallons) was removed. Ground-water extraction system performance and analytical data is summarized in Tables 5, 6 and 7. Soil vapor extraction system performance and analytical data is summarized in Tables 8, 9 and 10. The DPE system operated for approximately 20 days between 2 April 2007 and 26 June 2007 based on the hour meter reading. Stratus found the system non-operational upon arrival at the site on 2 April 2007 due to a high level in the oil/water separator. The system was restarted to collect samples and then shutdown pending receipt of the analytical results. Stratus attempted to restart the system on 10 April 2007 however they found that the transfer pump connected to the oil/water separator had malfunctioned. On 23 April 2007, Stratus installed a new transfer pump and the system was restarted. Stratus found the system again non-operational upon arrival at the site on 1 May 2007 due to failure of the DPE blower, possibly caused by overheating. The system was restarted, samples were collected and the system was shutdown. On 15 May 2007 Stratus modified the box surrounding the blower to allow more cooling air to circulate through the box and then restarted the system. Stratus found the system to be non-operational upon arrival at the site on 4 June 2007 due to a high water level in the air stripper. The system was restarted to collect samples and then shutdown pending receipt of the analytical results. Stratus attempted to restart the system on 12 June 2007 however they found that there was negligible air flow through the lead carbon vessel. The system remained shutdown until 26 June 2007 when maintenance was performed on the lead carbon vessel to loosen the carbon. The system was restarted on this date. A carbon change-out is tentatively scheduled for July 2007. Copies of Stratus' remediation system operation and maintenance data packages for Second Quarter 2007 are contained within Appendix C. Copies of Stratus' remediation system monthly discharge reports for Second Quarter 2007 are contained within Appendix D.

CLOSURE:

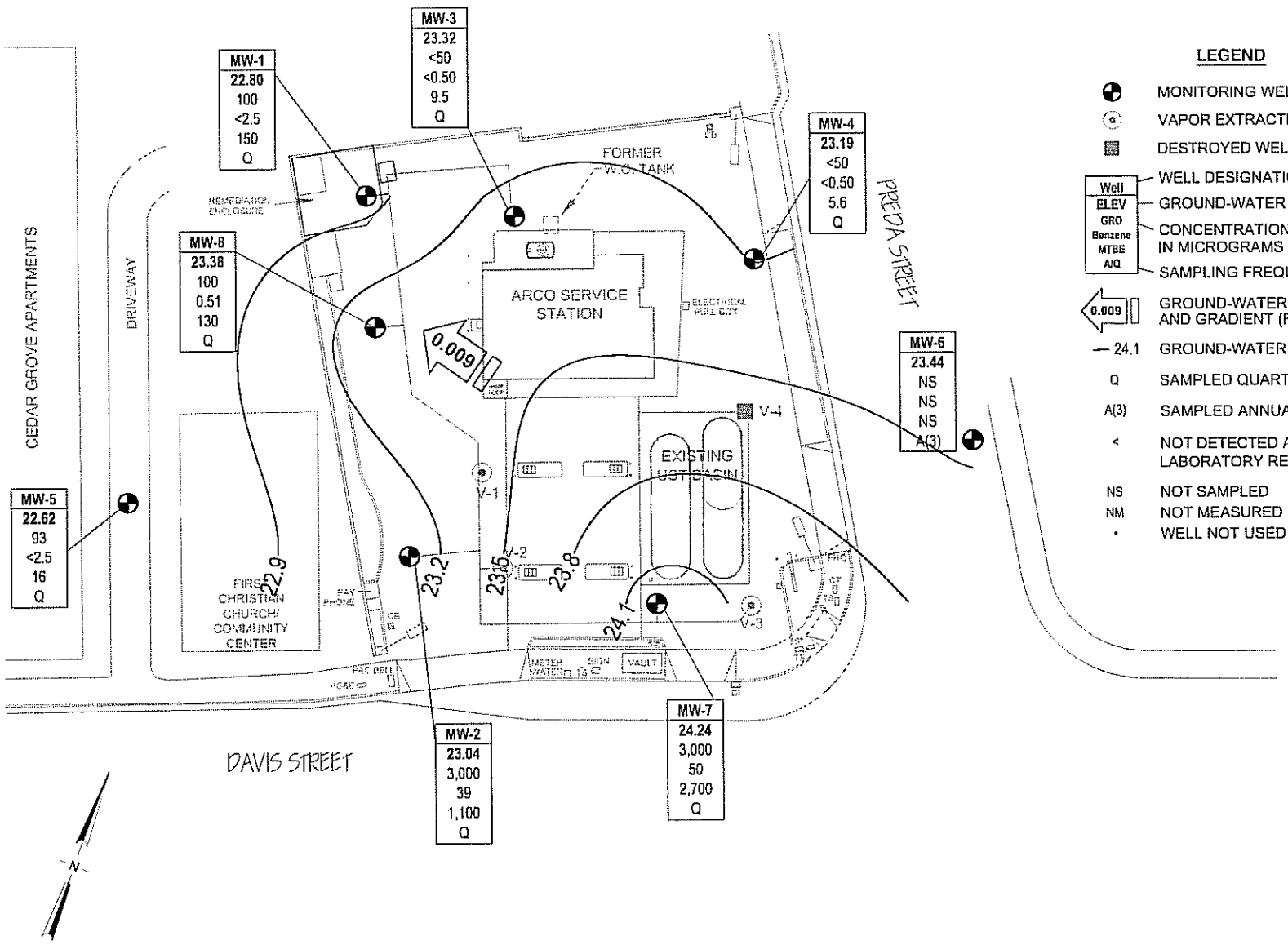
The findings presented in this report are based upon: observations of Stratus field personnel (see Appendices A, C, D), the points investigated, and results of laboratory tests performed by Test America (Morgan Hill, California). Our services were performed in accordance with the generally accepted standard 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 – 18 April 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 Reports, 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
- 0.009 — GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)
- — 24.1 — 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: 7/29/07

Station #2111
1156 Davis Street
San Leandro, California

Ground-Water Elevation Contours and Analytical Summary Map
18 April 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
4/18/2007	**NP**		**39.49**	**12.50**	**26.00**	**16.69**	**22.80**	**100**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**150**	**1.20**	**6.85**
MW-2															
6/26/2000	--	n	37.99	12.0	26.00	14.60	23.39	--	--	--	--	--	--	--	--

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.															
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	--	--
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	--	--
12/21/00	--	b	37.99	12.0	26.00	--	--	5,010	360	189	213	626	54,300/89,200	--	--
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	--	--
3/13/2001	--	b	37.99	12.0	26.00	--	--	<20,000	525	466	408	1,460	91,700/76,000	--	--
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	--	--
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	45	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	o	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
4/18/2007	**NP**		**37.86**	**12.0**	**26.00**	**14.82**	**23.04**	**3,000**	**39**	**<10**	**32**	**22**	**1,100**	**1.95**	**7.10**

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															
6/26/2000	--		39.32	12.00	26.00	15.96	23.36	--	--	--	--	--	--	--	--
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	1	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	97	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
4/18/2007	**NP**		**39.19**	**12.00**	**26.00**	**15.87**	**23.32**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**9.5**	**1.67**	**7.07**
MW-4															
6/26/2000	--		38.10	10.0	24.00	14.59	23.51	--	--	--	--	--	--	--	--

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-4 Cont.															
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	--	--
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
4/18/2007	NP		37.99	10.0	24.00	14.80	23.19	<50	<0.50	<0.50	<0.50	<0.50	5.6	5.33	6.93
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	--	--

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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.															
9/19/2000	--		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	--	--
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
4/18/2007	**NP**	**n, EBZ present in method blank**	**37.12**	**9.50**	**23.50**	**14.50**	**22.62**	**93**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**16**	**1.66**	**6.84**
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	--	--

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								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-6 Cont.															
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	--	--
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	--	--	--	--	--	--	--	--
4/18/2007	--		37.11	10.00	25.00	13.67	23.44	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

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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-7 Cont.															
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	--	--
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
4/18/2007	**NP**	**n**	**38.54**	**12.0**	**27.00**	**14.30**	**24.24**	**3,000**	**50**	**<50**	**<50**	**<50**	**2,700**	**4.47**	**7.22**
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

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.															
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
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
4/18/2007	P	n	38.91	--	--	15.53	23.38	100	0.51	<0.50	<0.50	<0.50	130	1.49	6.86

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	
4/18/2007	**<1,500**	**<100**	**150**	**<2.5**	**<2.5**	**<2.5**	**<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	
4/18/2007	**<6,000**	**1,200**	**1,100**	**<10**	**<10**	**<10**	**<10**	**<10**	
MW-3									
4/7/2003	<100	<20	75	<0.50	<0.50	6.5	--	--	

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.									
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	
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	
4/18/2007	**<300**	**<20**	**9.5**	**<0.50**	**<0.50**	**0.90**	**<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	

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-4 Cont.									
4/18/2007	<300	<20	5.6	<0.50	<0.50	1.1	<0.50	<0.50	
MW-5									
4/7/2003	<20,000	<4,000	3,700	<100	<100	<100	--	--	
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	
4/18/2007	**<1,500**	**2,000**	**16**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	
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	

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.									
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	
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	
4/18/2007	<30,000	<2,000	2,700	<50	<50	<50	<50	<50	
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	
4/18/2007	<300	120	130	<0.50	<0.50	1.9	<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
4/18/2007	West	0.009

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
MW-2	**04/18/07**	**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
4/2/2007	SVE-Influent	Air (mg/m^3)	190	4.3[2]	<0.50	1.1	2.5	---	---	30
	SVE A/S-Effluent	Air (mg/m^3)	<10	<0.10	<0.10	<0.10	<0.20	---	---	5.2
	SVE-Effluent	Air (mg/m^3)	<10	<0.10	<0.10	<0.10	<0.20	---	---	<0.50
	GWE-Influent	Water (µg/L)	1,000[1]	7.1	<5.0	6.7	16	6.6	1,200	1,200
	GWE A/S-Effluent	Water (µg/L)	94[1]	<5.0	<5.0	<5.0	<5.0	<5.0	710	120
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
5/1/2007	SVE-Influent	Air (mg/m^3)	160	<0.50	<0.50	<0.50	0.97	---	---	18
	SVE A/S-Effluent	Air (mg/m^3)	<50	<0.50	<0.50	<0.50	<0.50	---	---	11
	SVE-Effluent	Air (mg/m^3)	<50	<0.50	<0.50	<0.50	<0.50	---	---	<0.50
	GWE-Influent	Water (µg/L)	900[1]	<5.0	<5.0	<5.0	9.0	5.2	740	900
	GWE A/S-Effluent	Water (µg/L)	76[1]	<0.50	<0.50	<0.50	<0.50	<0.50	640	66
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
6/4/2007	SVE-Influent	Air (mg/m^3)	330	0.56	0.89	1.8	2.6	---	---	14
	SVE A/S-Effluent	Air (mg/m^3)	<50	<0.50	0.67	<0.50	1.3	---	---	3.7
	SVE-Effluent	Air (mg/m^3)	<50	<0.50	<0.50	<0.50	<0.50	---	---	<0.50
	GWE-Influent	Water (µg/L)	540[1]	<5.0	<5.0	13	12	<5.0	520	670
	GWE A/S-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	290	17
	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

						GRO				Benzene				MTBE			
Sample ID	Date Sampled	Notes	Totalizer Value (gallons)	Monthly Volume (gallons)	Average Discharge Rate (gpm)	Influent Concentration (µg/L)	Removal Rate (lbs/day)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Removal Rate (lbs/day)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Removal Rate (lbs/day)	Net Removed (pounds)	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
INFL	04/02/07		170,596	40,031	0.99	1,000	0.01	0.417	2.023	7.1	1.6E-04	0.005	0.030	1,200	1.7E-02	0.467	2.132
INFL	05/01/07		225,297	54,701	1.31	900	0.01	0.433	2.457	<5.0	7.6E-05	0.002	0.033	900	1.7E-02	0.479	2.611
INFL	06/04/07		429,450	204,153	4.17	540	0.04	1.226	3.683	<5.0	1.3E-04	0.004	0.037	670	3.9E-02	1.337	3.947
REPORTING PERIOD: SECOND QUARTER 2007																	
PERIOD WATER DISCHARGED (gal):					298,885	as of 6/4/2007											
AVERAGE DISCHARGE RATE (gpm)					3.29												
PERIOD POUNDS REMOVED:								2.077				0.011				2.283	
PERIOD GALLONS REMOVED:								0.340				0.001				0.369	
TOTAL POUNDS REMOVED:									3.683				0.037				3.947
TOTAL GALLONS REMOVED:					429,450				0.604				0.005				0.641
ESTIMATED PERCENT CARBON LOADING:						12.8%											

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
EFFL	04/02/07		170,596	40,031	0.99	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	05/01/07		225,297	54,701	1.31	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	06/04/07		429,450	204,153	4.17	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
REPORTING PERIOD: FIRST QUARTER 2007												
PERIOD WATER DISCHARGED (gal):					**298,885**	**as of 6/4/2007**						
AVERAGE DISCHARGE RATE (gpm)					**3.29**							

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	No. of Days Between Sampling Dates			Cumulative Days		Percent
	Reading	Total Days	Uptime	Days Down	Total Days	Uptime	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%
04/02/07	**490.7**	**28**	**2.2**	**25.8**	**63**	**19.9**	**8%**
05/01/07	**594.2**	**29**	**4.3**	**24.7**	**92**	**24.2**	**15%**
06/04/07	**981.7**	**34**	**16.1**	**17.9**	**126**	**40.4**	**47%**

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
04/02/07	180	NR	Influent	190	4.3	<0.50	1.1	2.5	30
			A/S-Effluent	<10	<0.10	<0.10	<0.10	<0.20	5.2
			Effluent	<10	<0.10	<0.10	<0.10	<0.20	<0.50
05/01/07	180	NR	Influent	160	<0.50	<0.50	<0.50	0.97	18
			A/S-Effluent	<50	<0.50	<0.50	<0.50	<0.50	11
			Effluent	<50	<0.50	<0.50	<0.50	<0.50	<0.50
06/04/07	190	NR	Influent	330	0.56	0.89	1.8	2.6	14
			A/S-Effluent	<50	<0.50	0.67	<0.50	1.3	3.7
			Effluent	<50	<0.50	<0.50	<0.50	<0.50	<0.50

Notes:

mg/m^3	= milligrams per cubic meter	NR	= not recorded
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	0.00	0.09	0.00	93.5%	80.0%	1.35	1.35
2/5/2007	7.10	0.18	0.09	0.00	98.8%	99.5%	29.18	30.53
3/5/2007	1.60	0.04	0.08	0.00	95.0%	92.6%	47.00	77.53
4/2/2007	**3.04**	**0.07**	**0.08**	**0.00**	**97.4%**	**98.8%**	**5.10**	**82.63**
5/1/2007*	**2.56**	**0.00**	**0.40**	**0.00**	**84.4%**	**0.0%**	**12.03**	**94.66**
6/4/2007*	**5.28**	**0.01**	**0.42**	**0.00**	**92.0%**	**55.4%**	**63.06**	**157.72**

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

Notes

* = Benzene results negligible, DRE not a true representation

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

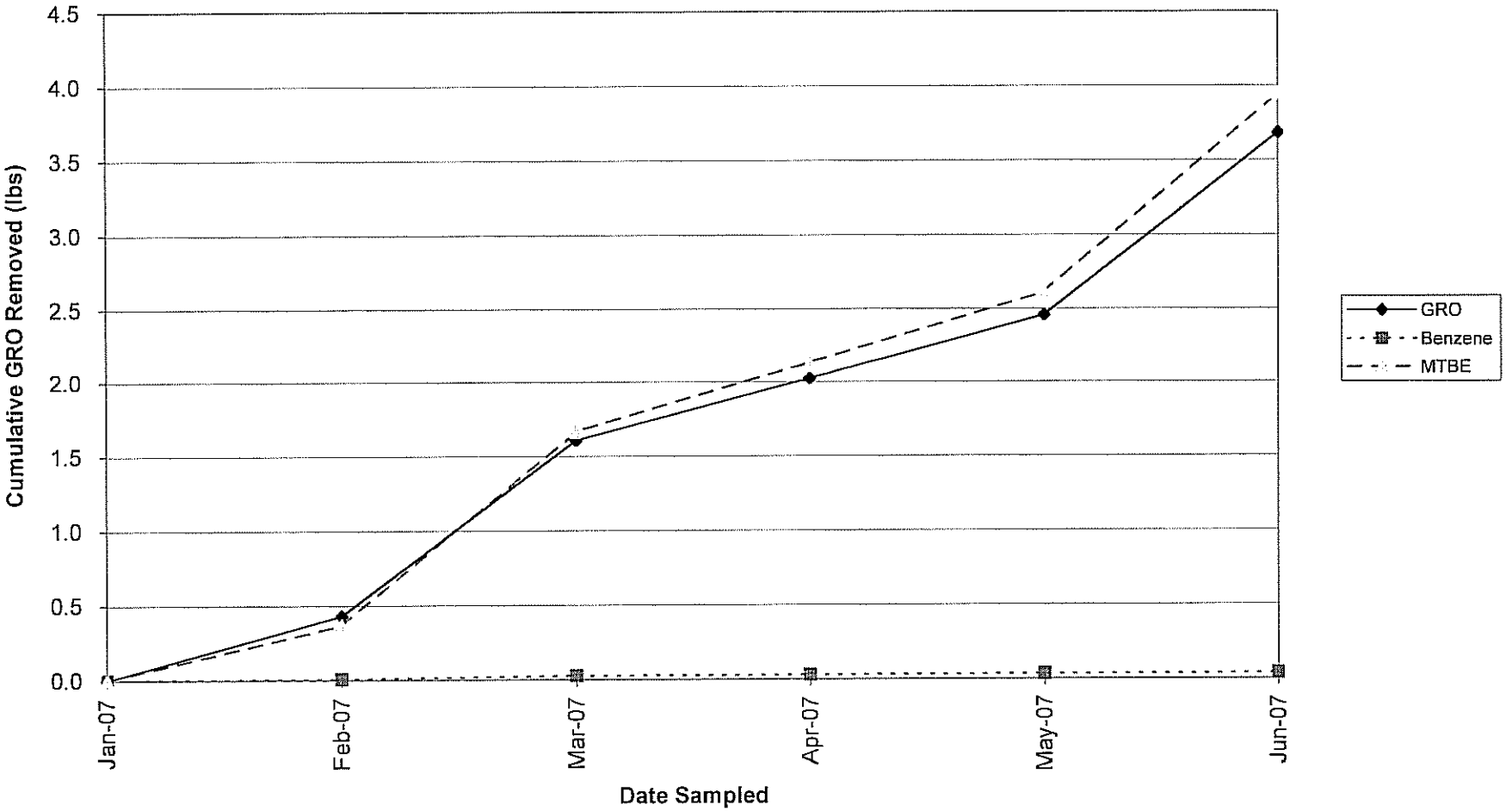


Figure 2
GWE Influent Concentrations for GRO, Benzene, and MTBE
Station #2111, 1156 Davis Street, San Leandro, California

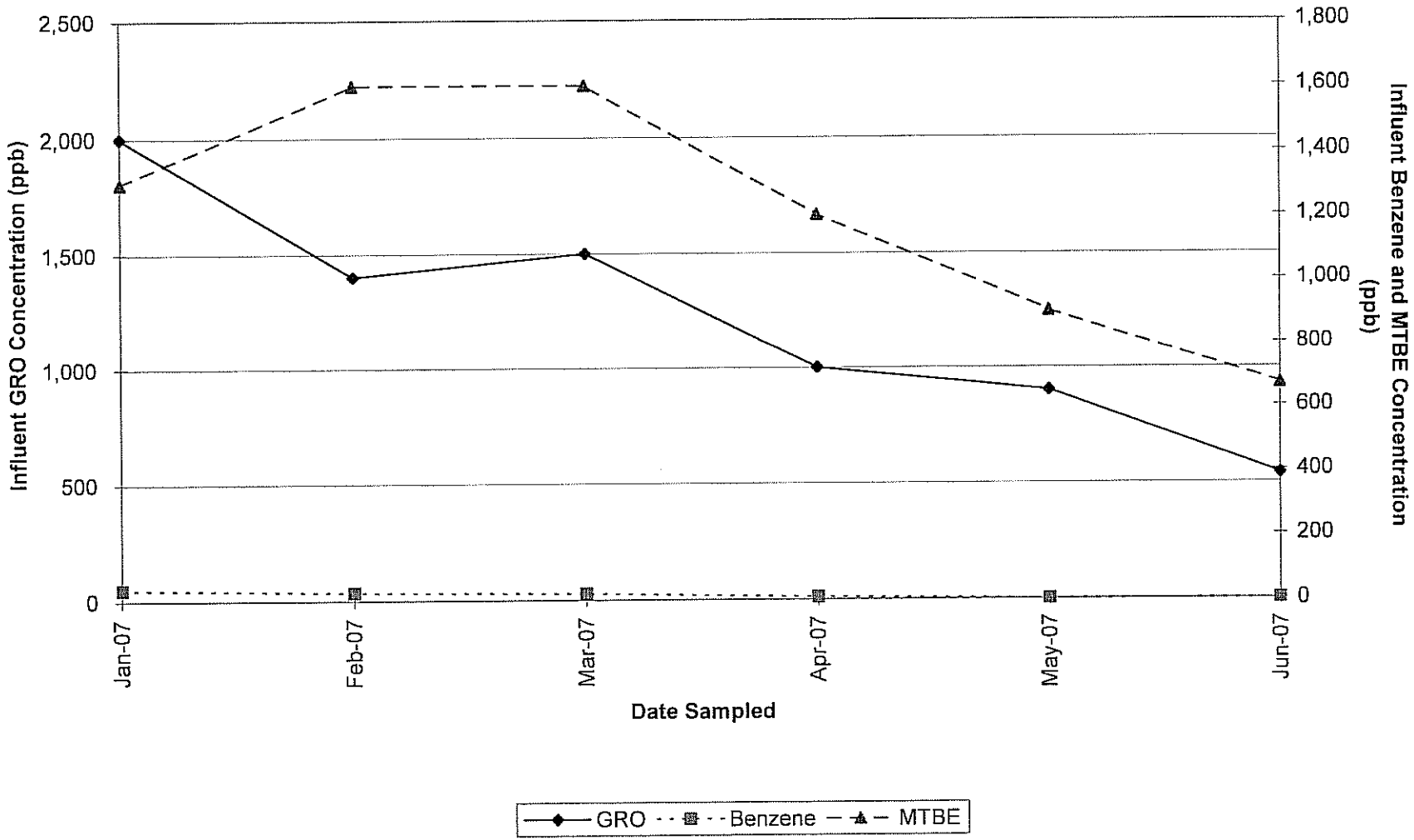


Figure 3
SVE System Influent Concentration vs.Time
Station #2111, 1156 Davis Street, San Leandro, California

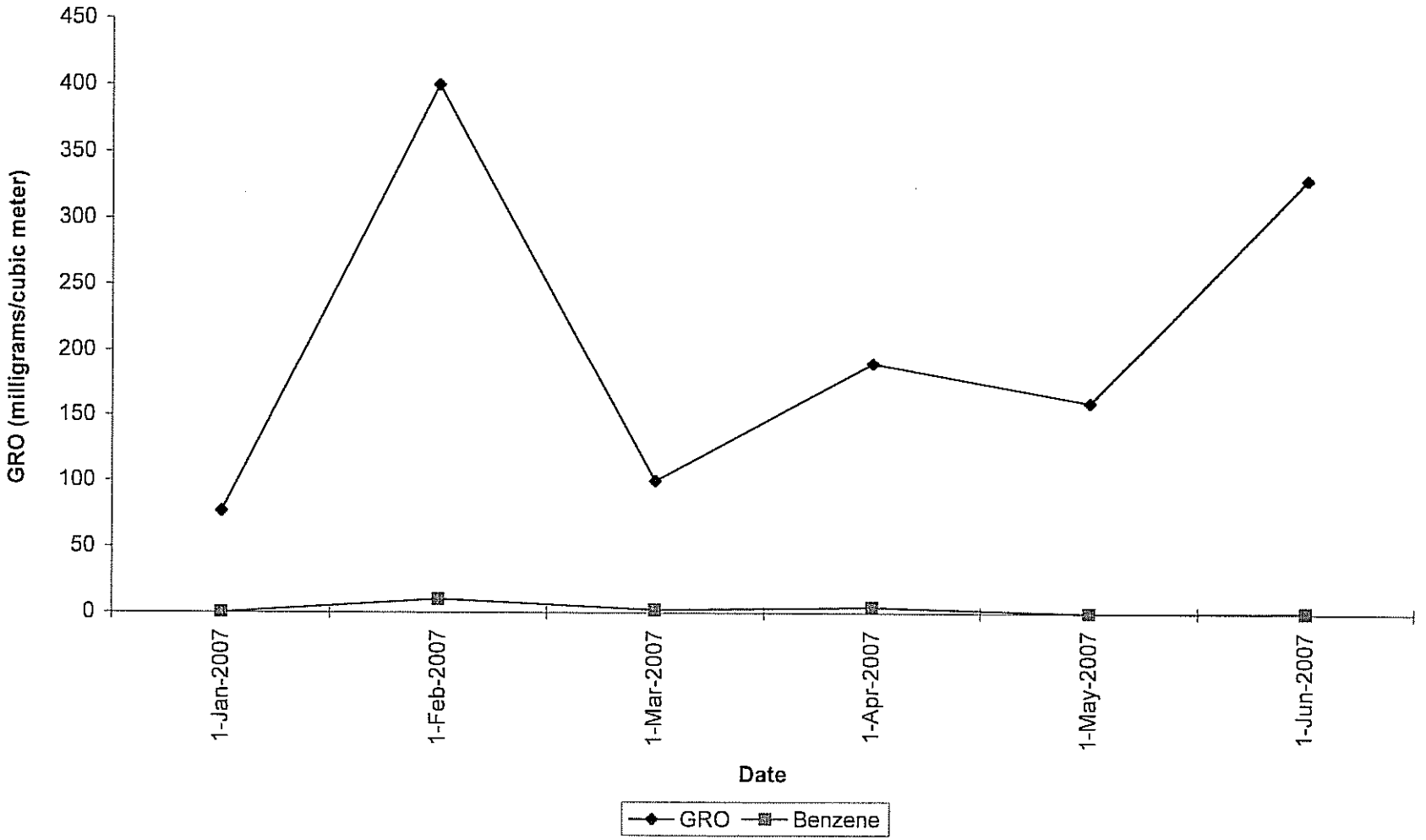
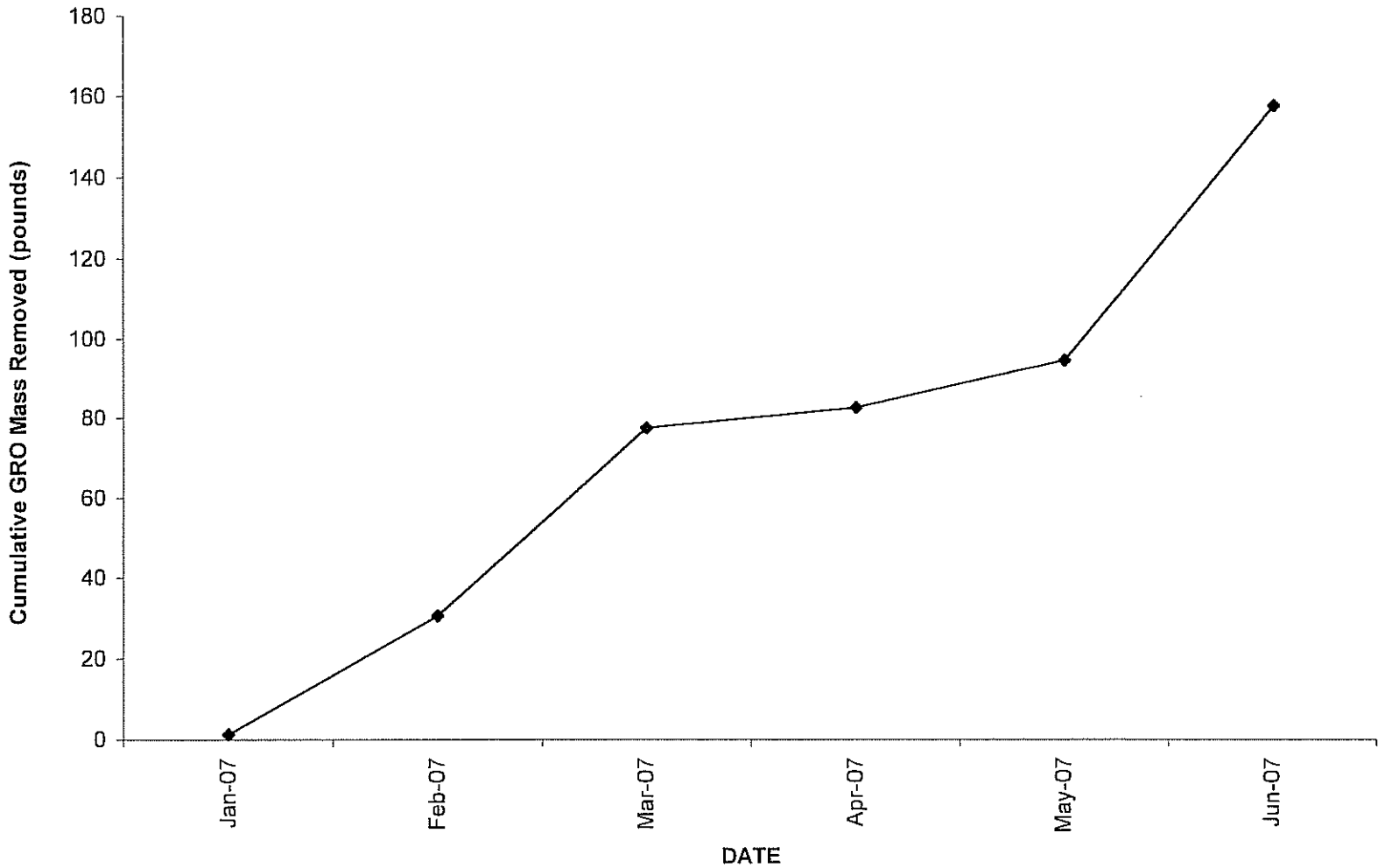


Figure 4
SVE System Cumulative GRO Mass Removed vs. Time
Station #2111, 1156 Davis Street, San Leandro, California



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

May 11, 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 Arpil 18, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representatives Vince Zalutka and David Demello
Date: April 18, 2007
Arrival: 05:00 *Departure:* 09:00
Weather Conditions: Clear
Unusual Field Conditions: None
Scope of Work Performed: Quarterly monitoring and sampling
Variations from Work Scope: None

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include bill of lading, field data sheets, 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
- 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:

2111

Station #

1156 Davis St., San Leandro

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

11.5

Added Equipment Rinse Water_____

Any Other Adjustments_____

TOTAL GALS. RECOVERED 11.5

loaded onto Stratus vehicle # _____

Stratus Project #: 60-28-0023 time: 0900 date: 4/18/07

Signature: Vince Gotuaco

* *

RECEIVED AT: 5786 time: ____ date: 4/18/07

Unloaded by Signature: Vince Gotuaco

Global ID: T0600101764
Site Address 1156 Davis St.
City San Leandro, CA
Sampled By: VinceZ

ORIGINAL

Site Number ARCO 2111
Project No GOC28-0023
Project PM
Date 4-18-07

Signature VZ Date: 4-18-07

#=6 VOA

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Qtr. Meas. 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	PPM Dissolved Oxygen (~~mg/L~~)
MW-1	0750	16.69	12.5	26.08	—	4	2	—	—	X	X			16.69	MW-1	0830	1.20
MW-2	0651	14.82	12	26.52	—	4	2	—	—	X	X			14.82	MW-2	0702	1.95
MW-3	0800	15.87	12	26.16	—	4	2	—	—	X	X			15.87	MW-3	0803	1.67
MW-4	0542	14.80	10	21.51	—	4	2	—	—	X	X			14.80	MW-4	0600	5.33
MW-5	0707	14.50	9.5	23.50	—	2	0.5	—	—	X	X			14.50	MW-5	0720	1.66
MW-6	0540	13.67	10	20.55	—	2	0.5	—	—	X	X			—	MW-6	—	—
MW-7	0623	14.30	12	26.29	—	4	2	—	—	X	X			14.30	MW-7	0633	4.47
MW-8	0719	15.53	18	38.88	23.35	2	0.5	11.68	11.5	[illegible]	X			[illegible] 15.55	MW-8	0810	1.99
TB															TB	0644	

TEST ; GRO-BTEX, 5-Oxys, Ethanol
(A) Casing water Column
Depth wtr. Depth to Bottom

Exst. Water Volumn 134 Gallons

STATUS ENVIRONMENTAL INC.

Site Address 1156 Davis St.
City San Leandro, CA
Sampled By: VinceZ

Site Number ARCO 2111
Project No GOC28-0023
Project PM
Date 4-18-07
VJ

ORIGINAL

Well ID	MW-1			
purge start time	Bailer No Odor			
	Temp C	pH	cond	gallons
time	17.4	6.85	686	Ø
time				
time				
time				
purge stop time				

Well ID	MW-2 0702			
purge start time	Bailer Odor			
	Temp C	pH	cond	gallons
time	18.4	7.10	668	Ø
time				
time				
time				
purge stop time				

Well ID	MW-3			
purge start time	Bailer No Odor			
	Temp C	pH	cond	gallons
time	18.5	7.07	665	Ø
time				
time				
time				
purge stop time				

Well ID	MW-4 0600			
purge start time	Bailer No Odor			
	Temp C	pH	cond	gallons
time	17.0	6.93	729	Ø
time				
time				
time				
purge stop time				

Well ID	MW-5			
Purge start time	Bailer No Odor			
	Temp C	pH	cond	gallons
time	16.9	6.84	703	Ø
time				
time				
time				
purge stop time				

Well ID	MW-6			
Purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	MW-7 0633			
purge start time	Bailer No Odor			
	Temp C	pH	cond	gallons
time	16.6	7.22	494	Ø
time				
time				
time				
purge stop time				

Well ID	MW-8			
purge start time	Bailer No Odor			
	Temp C	pH	cond	gallons
time	18.8	7.01	663	Ø
time	19.1	6.89	655	6
time	18.3	6.86	669	11.5
time				
purge stop time				

Wellhead Observation Form

Account: 2111

Sampled by: Vince / David Date: 4-18-07

ORIGINAL

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							
2	X									
3					X					
4					*X					*Fixed @ site
5	X									
6			X							
7	X									
MW-8	X		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:	0500	Temp:	40's
Off-site Time:	0900	Temp:	50's
Sky Conditions:	clear		
Meteorological Events:			
Wind Speed:	5	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.: E2111-03
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0028	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 04-Monitoring	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.

Lab Bottle Order No:

Item No.	Sample Description	Time	Date 2007	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO/BTEX/Oxy*	Requested Analysis: 1,2-DCA	Requested Analysis: Ethanol	Requested Analysis: EDB	Requested Analysis: DRO	Sample Point Lat/Long and Comments (*Oxy= MTBE,TAME,ETBE,DIPE,TBA)
1	MW-1	0830	04/18		X			3				X		X	X	X	X		
2	MW-2	0702	"		"			3				"		X	X	X	X		
3	MW-3	0803	"		"			3				"		X	X	X	X		
4	MW-4	0600	"		"			6				"		X	X	X	X		
5	MW-5	0720	"		"			3				"		X	X	X	X		
6	MW-7	0633	"		"			3				"		X	X	X	X		
7	MW-8	0810	04/18		X			3				X		X	X	X	X		
8																			
9	TB-2111-04202007	0644	04/18		X			2											HOLD
10																			3

Sampler's Name: Vince Zalatka	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: STRATUS	Vince Zalatka	4-18-07	1040	[signature] STL SAC	4-18-07	1040
Shipment Date: 4-18-07						
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

TestAmerica
ANALYTICAL TESTING CORPORATION

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3 May, 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: MQD0822

Enclosed are the results of analyses for samples received by the laboratory on 04/18/07 18:30. 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	MQD0822
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MQD0822-01	Water	04/18/07 08:30	04/18/07 18:30
MW-2	MQD0822-02	Water	04/18/07 07:02	04/18/07 18:30
MW-3	MQD0822-03	Water	04/18/07 08:03	04/18/07 18:30
MW-4	MQD0822-04	Water	04/18/07 06:00	04/18/07 18:30
MW-5	MQD0822-05	Water	04/18/07 07:20	04/18/07 18:30
MW-7	MQD0822-06	Water	04/18/07 06:33	04/18/07 18:30
MW-8	MQD0822-07	Water	04/18/07 08:10	04/18/07 18:30
TB-2111-04202007	MQD0822-08	Water	04/18/07 06:44	04/18/07 18:30

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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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

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 (MQD0822-01) Water Sampled: 04/18/07 08:30 Received: 04/18/07 18:30									
Gasoline Range Organics (C4-C12)	**100**	50	ug/l	1	7D30045	04/30/07	04/30/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*60-125*		"	"	"	"	
MW-2 (MQD0822-02) Water Sampled: 04/18/07 07:02 Received: 04/18/07 18:30									
Gasoline Range Organics (C4-C12)	**3000**	1000	ug/l	20	7D27023	04/26/07	04/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
MW-3 (MQD0822-03) Water Sampled: 04/18/07 08:03 Received: 04/18/07 18:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D27023	04/26/07	04/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-125*		"	"	"	"	
MW-4 (MQD0822-04) Water Sampled: 04/18/07 06:00 Received: 04/18/07 18:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D27023	04/26/07	04/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-125*		"	"	"	"	
MW-5 (MQD0822-05) Water Sampled: 04/18/07 07:20 Received: 04/18/07 18:30									
Gasoline Range Organics (C4-C12)	**93**	50	ug/l	1	7D27023	04/26/07	04/28/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
MW-7 (MQD0822-06) Water Sampled: 04/18/07 06:33 Received: 04/18/07 18:30									
Gasoline Range Organics (C4-C12)	**3000**	1000	ug/l	20	7D30045	04/30/07	04/30/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	
MW-8 (MQD0822-07) Water Sampled: 04/18/07 08:10 Received: 04/18/07 18:30									
Gasoline Range Organics (C4-C12)	**100**	50	ug/l	1	7D27023	04/26/07	04/28/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0822
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MQD0822-01) Water Sampled: 04/18/07 08:30 Received: 04/18/07 18:30									
tert-Amyl methyl ether	ND	2.5	ug/l	5	7D27023	04/26/07	04/27/07	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	1500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**150**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*75-120*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*60-125*	"	"	"	"	
Surrogate: Toluene-d8		*95 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85 %*		*60-135*	"	"	"	"	
MW-2 (MQD0822-02) Water Sampled: 04/18/07 07:02 Received: 04/18/07 18:30									
tert-Amyl methyl ether	ND	10	ug/l	20	7D27023	04/26/07	04/27/07	EPA 8260B	
Benzene	**39**	10	"	"	"	"	"	"	
tert-Butyl alcohol	**1200**	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	**32**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1100**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	**22**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-120*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*60-125*	"	"	"	"	
Surrogate: Toluene-d8		*97 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*		*60-135*	"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MQD0822-03) Water Sampled: 04/18/07 08:03 Received: 04/18/07 18:30									
tert-Amyl methyl ether	**0.90**	0.50	ug/l	1	7D27023	04/26/07	04/27/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**9.5**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*60-135*		"	"	"	"	
MW-4 (MQD0822-04) Water Sampled: 04/18/07 06:00 Received: 04/18/07 18:30									
tert-Amyl methyl ether	**1.1**	0.50	ug/l	1	7D27023	04/26/07	04/27/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.6**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0822
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MQD0822-05) Water Sampled: 04/18/07 07:20 Received: 04/18/07 18:30									
tert-Amyl methyl ether	ND	2.5	ug/l	5	7D30045	04/30/07	04/30/07	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	**2000**	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	1500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	MB
Methyl tert-butyl ether	**16**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*60-135*		"	"	"	"	
MW-7 (MQD0822-06) Water Sampled: 04/18/07 06:33 Received: 04/18/07 18:30									
tert-Amyl methyl ether	ND	50	ug/l	100	7D27023	04/26/07	04/28/07	EPA 8260B	
Benzene	**50**	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	30000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2700**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0822
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MQD0822-07) Water	**Sampled: 04/18/07 08:10**	**Received: 04/18/07 18:30**							
tert-Amyl methyl ether	**1.9**	0.50	ug/l	1	7D27023	04/26/07	04/28/07	EPA 8260B	
Benzene	**0.51**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**120**	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	**130**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*60-135*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

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 7D27023 - EPA 5030B P/T / LUFT GCMS										
Blank (7D27023-BLK1)				Prepared & Analyzed: 04/27/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.30*		"	*2.50*		*92*	*60-125*			
Laboratory Control Sample (7D27023-BS2)				Prepared & Analyzed: 04/27/07						
Gasoline Range Organics (C4-C12)	455	50	ug/l	500		91	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.40*		"	*2.50*		*96*	*60-125*			
Laboratory Control Sample Dup (7D27023-BSD2)				Prepared & Analyzed: 04/27/07						
Gasoline Range Organics (C4-C12)	444	50	ug/l	500		89	65-120	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*60-125*			
Batch 7D30045 - EPA 5030B P/T / LUFT GCMS										
Blank (7D30045-BLK1)				Prepared & Analyzed: 04/30/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.25*		"	*2.50*		*90*	*60-125*			
Laboratory Control Sample (7D30045-BS2)				Prepared & Analyzed: 04/30/07						
Gasoline Range Organics (C4-C12)	492	50	ug/l	500		98	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		"	*2.50*		*92*	*60-125*			
Laboratory Control Sample Dup (7D30045-BSD2)				Prepared & Analyzed: 04/30/07						
Gasoline Range Organics (C4-C12)	519	50	ug/l	500		104	65-120	5	20	
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*60-125*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

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 7D27023 - EPA 5030B P/T / EPA 8260B										
Blank (7D27023-BLK1)				Prepared & Analyzed: 04/27/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.43*		"	*2.50*		*97*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		"	*2.50*		*92*	*60-125*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.32*		"	*2.50*		*93*	*60-135*			
Laboratory Control Sample (7D27023-BS1)				Prepared & Analyzed: 04/27/07						
tert-Amyl methyl ether	9.28	0.50	ug/l	10.0		93	65-135			
Benzene	9.17	0.50	"	10.0		92	75-120			
tert-Butyl alcohol	172	20	"	200		86	60-135			
Di-isopropyl ether	9.27	0.50	"	10.0		93	70-130			
1,2-Dibromoethane (EDB)	9.33	0.50	"	10.0		93	80-135			
1,2-Dichloroethane	9.07	0.50	"	10.0		91	70-125			
Ethanol	202	300	"	200		101	15-150			
Ethyl tert-butyl ether	9.20	0.50	"	10.0		92	65-130			
Ethylbenzene	9.71	0.50	"	10.0		97	75-120			
Methyl tert-butyl ether	9.24	0.50	"	10.0		92	50-140			
Toluene	9.40	0.50	"	10.0		94	75-120			
Xylenes (total)	28.5	0.50	"	30.0		95	75-120			
Surrogate: Dibromofluoromethane	*2.44*		"	*2.50*		*98*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-125*			
Surrogate: Toluene-d8	*2.45*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.56*		"	*2.50*		*102*	*60-135*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

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 7D27023 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7D27023-MS1)	**Source: MQD0822-04**			Prepared & Analyzed: 04/27/07						
tert-Amyl methyl ether	13.6	0.50	ug/l	10.0	1.1	125	65-135			
Benzene	11.1	0.50	"	10.0	ND	111	75-120			
tert-Butyl alcohol	204	20	"	200	15	94	60-135			
Di-isopropyl ether	11.6	0.50	"	10.0	ND	116	70-130			
1,2-Dibromoethane (EDB)	12.2	0.50	"	10.0	ND	122	80-135			
1,2-Dichloroethane	11.5	0.50	"	10.0	ND	115	70-125			
Ethanol	225	300	"	200	ND	112	15-150			
Ethyl tert-butyl ether	11.5	0.50	"	10.0	ND	115	65-130			
Ethylbenzene	11.2	0.50	"	10.0	ND	112	75-120			
Methyl tert-butyl ether	18.5	0.50	"	10.0	5.6	129	50-140			
Toluene	11.3	0.50	"	10.0	0.24	111	75-120			
Xylenes (total)	32.6	0.50	"	30.0	ND	109	75-120			
Surrogate: Dibromofluoromethane	*2.44*		"	*2.50*		*98*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.64*		"	*2.50*		*106*	*60-125*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.36*		"	*2.50*		*94*	*60-135*			
Matrix Spike Dup (7D27023-MSD1)	**Source: MQD0822-04**			Prepared & Analyzed: 04/27/07						
tert-Amyl methyl ether	13.8	0.50	ug/l	10.0	1.1	127	65-135	1	25	
Benzene	11.4	0.50	"	10.0	ND	114	75-120	3	20	
tert-Butyl alcohol	213	20	"	200	15	99	60-135	4	25	
Di-isopropyl ether	12.0	0.50	"	10.0	ND	120	70-130	3	25	
1,2-Dibromoethane (EDB)	11.9	0.50	"	10.0	ND	119	80-135	2	30	
1,2-Dichloroethane	11.7	0.50	"	10.0	ND	117	70-125	2	25	
Ethanol	233	300	"	200	ND	116	15-150	3	25	
Ethyl tert-butyl ether	11.8	0.50	"	10.0	ND	118	65-130	3	25	
Ethylbenzene	11.4	0.50	"	10.0	ND	114	75-120	2	20	
Methyl tert-butyl ether	18.3	0.50	"	10.0	5.6	127	50-140	1	25	
Toluene	11.0	0.50	"	10.0	0.24	108	75-120	3	25	
Xylenes (total)	33.2	0.50	"	30.0	ND	111	75-120	2	20	
Surrogate: Dibromofluoromethane	*2.59*		"	*2.50*		*104*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.60*		"	*2.50*		*104*	*60-125*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0822
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

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 7D30045 - EPA 5030B P/T / EPA 8260B										
Blank (7D30045-BLK1)				Prepared & Analyzed: 04/30/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	0.730	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*95*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.25*		"	*2.50*		*90*	*60-125*			
Surrogate: Toluene-d8	*2.48*		"	*2.50*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.47*		"	*2.50*		*99*	*60-135*			
Laboratory Control Sample (7D30045-BS1)				Prepared & Analyzed: 04/30/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0		101	65-135			
Benzene	10.8	0.50	"	10.0		108	75-120			
tert-Butyl alcohol	215	20	"	200		108	60-135			
Di-isopropyl ether	10.6	0.50	"	10.0		106	70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0		107	80-135			
1,2-Dichloroethane	11.0	0.50	"	10.0		110	70-125			
Ethanol	206	300	"	200		103	15-150			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	65-130			
Ethylbenzene	11.1	0.50	"	10.0		111	75-120			
Methyl tert-butyl ether	10.7	0.50	"	10.0		107	50-140			
Toluene	11.4	0.50	"	10.0		114	75-120			
Xylenes (total)	32.4	0.50	"	30.0		108	75-120			
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		"	*2.50*		*98*	*60-125*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.39*		"	*2.50*		*96*	*60-135*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

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 7D30045 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7D30045-MS1)	**Source: MQD0799-01RE1**			Prepared & Analyzed: 04/30/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	65-135			
Benzene	119	0.50	"	10.0	120	0	75-120			EY, BB
tert-Butyl alcohol	203	20	"	200	ND	102	60-135			
Di-isopropyl ether	9.59	0.50	"	10.0	ND	96	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0	ND	110	80-135			
1,2-Dichloroethane	10.6	0.50	"	10.0	ND	106	70-125			
Ethanol	224	300	"	200	ND	112	15-150			
Ethyl tert-butyl ether	10.3	0.50	"	10.0	ND	103	65-130			
Ethylbenzene	238	0.50	"	10.0	260	0	75-120			EY, BB
Methyl tert-butyl ether	11.4	0.50	"	10.0	1.5	99	50-140			
Toluene	14.1	0.50	"	10.0	3.1	110	75-120			
Xylenes (total)	39.8	0.50	"	30.0	ND	133	75-120			LM
Surrogate: Dibromofluoromethane	*2.34*		"	*2.50*		*94*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.56*		"	*2.50*		*102*	*60-125*			
Surrogate: Toluene-d8	*2.45*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*3.12*		"	*2.50*		*125*	*60-135*			
Matrix Spike Dup (7D30045-MSD1)	**Source: MQD0799-01RE1**			Prepared & Analyzed: 04/30/07						
tert-Amyl methyl ether	9.50	0.50	ug/l	10.0	ND	95	65-135	6	25	
Benzene	123	0.50	"	10.0	120	30	75-120	3	20	EY, BB
tert-Butyl alcohol	207	20	"	200	ND	104	60-135	2	25	
Di-isopropyl ether	9.67	0.50	"	10.0	ND	97	70-130	0.8	25	
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0	ND	106	80-135	4	30	
1,2-Dichloroethane	10.4	0.50	"	10.0	ND	104	70-125	2	25	
Ethanol	225	300	"	200	ND	112	15-150	0.4	25	
Ethyl tert-butyl ether	9.79	0.50	"	10.0	ND	98	65-130	5	25	
Ethylbenzene	228	0.50	"	10.0	260	0	75-120	4	20	EY, BB
Methyl tert-butyl ether	11.5	0.50	"	10.0	1.5	100	50-140	0.9	25	
Toluene	13.8	0.50	"	10.0	3.1	107	75-120	2	25	
Xylenes (total)	37.4	0.50	"	30.0	ND	125	75-120	6	20	LM
Surrogate: Dibromofluoromethane	*2.32*		"	*2.50*		*93*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.44*		"	*2.50*		*98*	*60-125*			
Surrogate: Toluene-d8	*2.35*		"	*2.50*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*3.13*		"	*2.50*		*125*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0822
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/03/07 14:08

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
MB	Analyte present in the method blank
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
EY	Result exceeds normal dynamic range; reported as a min. est.
BB	Sample > 4x spike concentration
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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:	0500	Temp:	40's
Off-site Time:	0900	Temp:	50's
Sky Conditions:	clear		
Meteorological Events:			
Wind Speed:	S	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.: E2111-03
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C28-0028	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 04-Monitoring	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.

Lab Bottle Order No: MQD0822

Item No.	Sample Description	Time	Date 2007	Matrix: Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: GRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	DRO	Sample Point Lat/Long and Comments
1	MW-1	0830	04/18		X		01	3				X		X	X	X	X		
2	MW-2	0702	"		"		02	3				"		X	X	X	X		
3	MW-3	0803	"		"		03	3				"		X	X	X	X		
4	MW-4	0600	"		"		04	6				"		X	X	X	X		
5	MW-5	0720	"		"		05	3				"		X	X	X	X		
6	MW-7	0633	"		"		06	3				"		X	X	X	X		
7	MW-8	0810	04/18		X		07	3				X		X	X	X	X		
8																			
9	TB-2111-04202007	0644	04/18		X		08	2											HOLD
10																			3

Sampler's Name: Vince Zaluska	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: STRATUS	Vince Zaluska	4-18-07	1040	STL San	4-18-07 1040
Shipment Date: 4-18-07		4-18-07	1525	Tess	4/18/07 1525
Shipment Method: STRATUS	Tess	4/18/07	1830	Cindy Medina	4/19/07 1830
Shipment Tracking No:					

Instructions: Please cc results to rmiller@broadbentinc.com

Seals In Place: Yes / (No) | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 2 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: (Yes) / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco 2111
REC. BY (PRINT): A.M.
WORKORDER: MRD0822

DATE REC'D AT LAB: 4-18-07
TIME REC'D AT LAB: 1830
DATE LOGGED IN: 4/22/07

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:	2°C								
Corrected Temp:	2°C								
Is corrected temp 4 +/-2°C?	(Yes) / No**								

(acceptance range for samples requiring thermal pres.)

(exception (if any): METALS / DFF ON ICE

(problem COC

4-18-07 A.M. See COC

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

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATIONS

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UPLOADING A GEO_WELL FILE

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

Submittal Title:	2Q07 GEO_WELL 2111
Facility Global ID:	T0600101764
Facility Name:	ARCO #2111
Submittal Date/Time:	7/6/2007 4:19:25 PM
Confirmation Number:	9312869012

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CONTACT SITE ADMINISTRATOR.

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Confirmation Number: 7337653815
Date/Time of Submittal: 7/6/2007 4:17:44 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: 2Q07 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
7337653815	2Q07 GW Monitoring	Q2 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	7/6/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	5
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	1
LAB BLANK DETECTIONS	1
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%	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: 7261239826
Date/Time of Submittal: 7/6/2007 4:21:36 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0407
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
7261239826	Monthly System Sampling 0407	Q2 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	7/6/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	4
# 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

Electronic Submittal Information

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Your EDF file has been successfully uploaded!

Confirmation Number: 7422812342
Date/Time of Submittal: 7/6/2007 4:23:47 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0407
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
7422812342	Monthly System Sampling 0407	Q2 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	7/6/2007	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,SW8015B
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
- SW8015B REQUIRES DCA12 TO BE TESTED	
- SW8015B 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	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	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: 5818764448
Date/Time of Submittal: 7/6/2007 4:31:22 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0407
Submittal Type: Soil & Water Investigation Report

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

CONF #	TITLE	QUARTER
5818764448	Monthly System Sampling 0407	Q2 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	7/6/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	1
# 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: 8205919742
Date/Time of Submittal: 7/6/2007 4:25:52 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0507
Submittal Type: Soil & Water Investigation Report

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

CONF #	TITLE	QUARTER
8205919742	Monthly System Sampling 0507	Q2 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	7/6/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	AIR - UNK. ORIGIN

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETBE TO BE TESTED	
- 8260FA REQUIRES TAME TO BE TESTED	
- 8260FA REQUIRES DIPE TO BE TESTED	
- 8260FA REQUIRES TBA TO BE TESTED	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 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: 4475069999
Date/Time of Submittal: 7/6/2007 4:33:07 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0507
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
4475069999	Monthly System Sampling 0507	Q2 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	7/6/2007	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,SW8015B
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
- SW8015B REQUIRES DCA12 TO BE TESTED	
- SW8015B 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	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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Confirmation Number: 3334013760
Date/Time of Submittal: 7/6/2007 4:36:13 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0607
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
3334013760	Monthly System Sampling 0607	Q2 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	7/6/2007	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%	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: 6177520632
Date/Time of Submittal: 7/6/2007 4:38:17 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 0607
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
6177520632	Monthly System Sampling 0607	Q2 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	7/6/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	VAPOR

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETBE TO BE TESTED	
- 8260FA REQUIRES TAME TO BE TESTED	
- 8260FA REQUIRES DIPE TO BE TESTED	
- 8260FA REQUIRES TBA TO BE TESTED	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 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

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

May 9, 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 April 2, 10, 23, and 26, 2007)

General Information

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

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 April 2, 2007. An additional mid-fluent (between GAC-1 and GAC-2) air sample was collected on April 26, 2007.

Variations from Work Scope: The remediation systems were shutdown on April 2, 2007, pending receipt of analytical results. Upon receipt of analytical results and compliance verifications, Stratus attempted to re-start the system on April 10, 2007. The transfer pump of the oil-water separator malfunctioned and the system could not be re-started. The transfer pump was replaced on April 23, 2007 and the system was re-started.

MTBE (0.74 mg/m^3) was reported in the mid-fluent air sample (GAC1) collected on April 2, 2007. Although the concentrations were within the Bay Area Air Quality Management District (BAAQMD) permit limits, it was re-sampled on April 26, 2007. MTBE (1.7 mg/m^3) was again reported (within BAAQWMD permit limites) in the sample (GAC1) collected on April 26, 2007. Stratus will continue to monitor for MTBE breakthrough during May 2007 site visits.

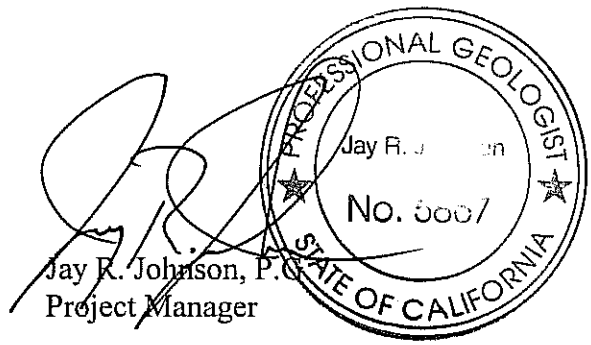
The attachments include field data sheets and the certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation 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
- 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: 4-2-07
Onsite Time: 0530
Offsite Time: 1000
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 40

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒
System Status Upon Departure: Operational ☐ Non-Operational ☒ shut off & wait for samples & Info
Electric Meter Reading: 11537
Hour Meter Reading: 490.7
Totalizer Reading Prior to Air Stripper: 143904
PID Calibration Date: 4-2-07
Totalizer Reading After Air Stripper: 175580

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	1102	2184			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			180		
Applied Vacuum, "wc		.50	NA	NA	
Temperature, deg F	156	115	105		
PID Readings, ppmv	149	~~0~~	39	~~0~~	PID for GAC-1: 62

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	50	20					
V-2	50	17					
V-3	50	17					
MW-1	100	16					
MW-3	100	20					
MW-7	100	17					
MW-8	100	18					

Signature: [signature]
Date: 4-2-07

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

ORIGINAL

Date: 4207
Onsite Time: 0930
Offsite Time: 1000

Technician: CHILE
Weather Conditions: Clear
Ambient Temperature 40

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

Transfer Pump Hour Meter Reading: NR

Effluent Flow Totalizer Reading: 170596

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 2

Effluent Water Characteristics
(Quarterly by Field Instrument)

pH: 8.3

Temperature: 17.8

Cond 699

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		2274.2			
		2347.8			

70 GAL S

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	4207 0904	02111MW2WINF	4207 0908
02111ASWINF	0900		
02111ASWEFF	0856		
02111WGAC1	0853		
02111WEFF	0851		
TB2111 4207	0950		

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

Notes:

Signature: [signature]

Date: 4207

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	0930	02111AGAC1	0925
02111ASAEFF	0933	02111AEFF	0923
02111ASYSINF	0927		
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes

System Down when arrive High Level Oil water Separator Motor on Pump Not Working Power to motor But No start - Call New Capacitor for Motor Restart

Meeting with Tiffany Reece w/ Environmental Services (water Discharge Samples) Collects EFF water 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: 4/2007

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

ORIGINAL

Date: 4-10-07
Onsite Time: 0500
Offsite Time: 0630

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature 45°

System Status Upon Arrival: ☐ Operational ☒ Non-operational Try Restart system
System Status At Departure: ☐ Operational ☒ Non-operational Runs for 1 HR shu
Transfer Pump: ☐ Operational ☒ Non-operational Down Trans pump oil/water will no

Transfer Pump Hour Meter Reading: _____

Effluent Flow Totalizer Reading: _____

No. of Carbon Vessels: _____

Lead Carbon Vessel Pressure (psi): _____

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

Run - Need order New on

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

Sampling Information

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

~~Drake~~
John Lowry
562-927-26
ED EX 106
ordered

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

Notes: Scot Pump 262 377 7000
3577K269 0511023 B05
motor Pump 231
3/4 HP 3500 RPM
(700.00

Signature: _____ Date: 1/60/115/230

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

ORIGINAL

Date: 4-23-07
Onsite Time: 0700
Offsite Time: 0815
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 50

System Information

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

Electric Meter Reading:
Hour Meter Reading: 4931
Totalizer Reading Prior to Air Stripper: 145808
Totalizer Reading After Air Stripper: 177330
PID Calibration Date:

Install New Transfer Pump on oil/water separator System Back up

EFF Total 172310

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: 42307

ORIGINAL

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

Date: 42607
Onsite Time: 0600
Offsite Time: 0900
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 50

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: 13163
Hour Meter Reading: 564.1
Totalizer Reading Prior to Air Stripper: 175711
PID Calibration Date: 42607
Totalizer Reading After Air Stripper: 205790

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		27			
Air Velocity, FPM	2050	1838			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm From Wells	140		180		
Applied Vacuum, "wc	19" Hg	140	NA	NA	
Temperature, deg F	162	114			
PID Readings, ppmv	59	8	25	0	PID for GAC-1: 0

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	50	14					
V-2	50	12					
V-3	50	13					
MW-1	100	13					
MW-3	100	14					
MW-7	100	13					
MW-8	100	13					

Signature: [signature]
Date: 42607

ORIGINAL

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	0715 42609
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: 42609

ORIGINAL

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

Date: 42607
Onsite Time: 0600
Offsite Time: 0800

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature 50

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: 200143

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 5

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

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		23478			

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: 42607

Atlantic Richfield Company
bp
A BP affiliated company

(RUSH)

Chain of Custody Record

Page 1 of 1

Project Name: Arco 2111
BP BU/AR Region/Enfos Segment: BP2 America - West - Retail - Alaska
State or Lead Regulatory Agency: CA - Regional Water Quality
Requested Due Date (mm/dd/yy): 5 DAY

On-site Time: 0600	Temp: 50
Off-site Time: 0800	Temp:
Sky Conditions: Clear	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Test America	BP/AR Facility No.: 2111
Address: 8354 Tanner Drive	BP/AR Facility Address: 1156 Davis St San Leandro
Morgan Hill CA	Site Lat/Long:
Lab PM: Lisa Race	California Global ID No.: T0600101764
Tele/Fax: 408 782 8156	Enfos Project No.: 08E28 - 0023
BP/AR EBM: Paul Supple	Provision or OOC (circle one) Provision
Address: 2010 Crow Canyon Place	Phase/WBS: 03 - 04m
San Ramon CA	Sub Phase/Task: 03 Analytical
Tele/Fax: 925 275 3506	Cost Element: Sub Cost

Consultant/Contractor: Stantec	
Address: 3330 Cameron Pk	
Cameron Pk CA 95682	
Consultant/Contractor Project No.: E2111-03	
Consultant/Contractor PM: JAK/Johnson	
Tele/Fax: 530 676 6660	
Report Type & QC Level: Level 1 EDF	
E-mail EDD To: shayes@stantec.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: 8015	Requested Analysis: 8260	Requested Analysis: MTBE 8260	Sample Point Lat/Long and Comments
1	2111 A GAC 1	0715	4/26			X		2						X	X	X	
2																	
3																	
4																	
5																	
6																	
7																	ORIGINAL
8																	
9																	
10																	

Sampler's Name: Chris H.	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stantec	Stantec	4/26	1725	Julie Stg.	4/26	0925
Shipment Date: 4/26/07						
Shipment Method: Stantec						
Shipment Tracking No:						

Special Instructions:

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

TestAmerica
ANALYTICAL TESTING CORPORATION

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

4 April, 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: MQD0042

Enclosed are the results of analyses for samples received by the laboratory on 04/03/07 10:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

TestAmerica
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	MQD0042
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/04/07 14:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQD0042-01	Vapor	04/02/07 09:30	04/03/07 10:10
02111ASAEFF	MQD0042-02	Vapor	04/02/07 09:33	04/03/07 10:10
02111ASYSINF	MQD0042-03	Vapor	04/02/07 09:27	04/03/07 10:10
02111AGAC1	MQD0042-04	Vapor	04/02/07 09:25	04/03/07 10:10
02111AEFF	MQD0042-05	Vapor	04/02/07 09:23	04/03/07 10:10

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.

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	MQD0042
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/04/07 14:53

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQD0042-01) Vapor	**Sampled: 04/02/07 09:30**		**Received: 04/03/07 10:10**						
Gasoline Range Organics (C4-C12)	**750**	100	mg/m³ Air	10	7D03011	04/03/07	04/03/07 17:41	EPA 8015B/8021B	
Benzene	**19**	1.0	"	"	"	"	"	"	PI
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**4.5**	1.0	"	"	"	"	"	"	
Xylenes (total)	**10**	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**90**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*115 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*	*75-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**210**	24	ppmv	10	"	"	"	"	
Benzene	**5.8**	0.31	"	"	"	"	"	"	PI
Toluene	ND	0.27	"	"	"	"	"	"	
Ethylbenzene	**1.0**	0.23	"	"	"	"	"	"	
Xylenes (total)	**2.4**	0.47	"	"	"	"	"	"	
Methyl tert-butyl ether	**25**	1.4	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*115 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*	*75-125*		"	"	"	"	
02111ASAEFF (MQD0042-02) Vapor	**Sampled: 04/02/07 09:33**		**Received: 04/03/07 10:10**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7D03011	04/03/07	04/03/07 17:12	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.2**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		"	"	"	"	
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	**1.4**	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

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	MQD0042
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/04/07 14:53

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASYSINF (MQD0042-03) Vapor	**Sampled: 04/02/07 09:27**		**Received: 04/03/07 10:10**						
Gasoline Range Organics (C4-C12)	**190**	50	mg/m³ Air	5	7D03011	04/03/07	04/03/07 16:36	EPA 8015B/8021B	
Benzene	**4.3**	0.50	"	"	"	"	"	"	PI
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.1**	0.50	"	"	"	"	"	"	
Xylenes (total)	**2.5**	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**30**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*75-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**53**	12	ppmv	5	"	"	"	"	
Benzene	**1.3**	0.16	"	"	"	"	"	"	PI
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	**0.24**	0.12	"	"	"	"	"	"	
Xylenes (total)	**0.59**	0.24	"	"	"	"	"	"	
Methyl tert-butyl ether	**8.4**	0.69	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*75-125*		"	"	"	"	
02111AGAC1 (MQD0042-04) Vapor	**Sampled: 04/02/07 09:25**		**Received: 04/03/07 10:10**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7D03011	04/03/07	04/03/07 16:06	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.74**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	
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	**0.21**	0.14	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0042
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/04/07 14:53

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AEFF (MQD0042-05) Vapor	**Sampled: 04/02/07 09:23**	**Received: 04/03/07 10:10**							
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7D03011	04/03/07	04/03/07 15:21	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		*97 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*75-125*		"	"	"	"	
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 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*75-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0042
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/04/07 14:53

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 7D03011 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (7D03011-BLK1)				Prepared & Analyzed: 04/03/07						
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	*39.6*		*mg/m³ Air*	*40.0*		*99*	*85-120*			
Surrogate: a,a,a-Trifluorotoluene	*6.63*		*ppmv*	*6.70*		*99*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*44.0*		*mg/m³ Air*	*40.0*		*110*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*6.15*		*ppmv*	*5.59*		*110*	*75-125*			
Laboratory Control Sample (7D03011-BS1)				Prepared & Analyzed: 04/03/07						
Gasoline Range Organics (C4-C12)	260	50	mg/m³ Air	275		95	60-115			
Gasoline Range Organics (C4-C12)	73.9	12	ppmv	78.0		95	60-115			
Benzene	4.52	0.50	mg/m³ Air	4.85		93	65-150			
Benzene	1.42	0.16	ppmv	1.52		93	65-150			
Toluene	20.4	0.50	mg/m³ Air	23.5		87	70-115			
Toluene	5.43	0.13	ppmv	6.25		87	70-115			
Ethylbenzene	4.21	0.50	mg/m³ Air	4.70		90	65-115			
Ethylbenzene	0.972	0.12	ppmv	1.08		90	65-115			
Xylenes (total)	23.2	1.0	mg/m³ Air	26.5		88	70-115			
Xylenes (total)	5.34	0.24	ppmv	6.12		87	70-115			
Methyl tert-butyl ether	4.81	2.5	mg/m³ Air	6.50		74	50-115			
Methyl tert-butyl ether	1.34	0.69	ppmv	1.81		74	50-115			
Surrogate: a,a,a-Trifluorotoluene	*38.7*		*mg/m³ Air*	*40.0*		*97*	*85-120*			
Surrogate: a,a,a-Trifluorotoluene	*6.49*		*ppmv*	*6.70*		*97*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*45.8*		*mg/m³ Air*	*40.0*		*114*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*6.40*		*ppmv*	*5.59*		*114*	*75-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0042
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/04/07 14:53

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 7D03011 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample Dup (7D03011-BSD1)				Prepared & Analyzed: 04/03/07						
Gasoline Range Organics (C4-C12)	278	50	mg/m³ Air	275		101	60-115	7	20	
Gasoline Range Organics (C4-C12)	79.0	12	ppmv	78.0		101	60-115	7	20	
Benzene	4.84	0.50	mg/m³ Air	4.85		100	65-150	7	25	
Benzene	1.52	0.16	ppmv	1.52		100	65-150	7	25	
Toluene	5.74	0.13	"	6.25		92	70-115	6	20	
Toluene	21.6	0.50	mg/m³ Air	23.5		92	70-115	6	20	
Ethylbenzene	4.43	0.50	"	4.70		94	65-115	5	25	
Ethylbenzene	1.02	0.12	ppmv	1.08		94	65-115	5	25	
Xylenes (total)	24.6	1.0	mg/m³ Air	26.5		93	70-115	6	20	
Xylenes (total)	5.67	0.24	ppmv	6.12		93	70-115	6	20	
Methyl tert-butyl ether	5.03	2.5	mg/m³ Air	6.50		77	50-115	4	25	
Methyl tert-butyl ether	1.40	0.69	ppmv	1.81		77	50-115	4	25	
Surrogate: a,a,a-Trifluorotoluene	*38.7*		*mg/m³ Air*	*40.0*		*97*	*85-120*			
Surrogate: a,a,a-Trifluorotoluene	*6.48*		*ppmv*	*6.70*		*97*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*46.1*		*mg/m³ Air*	*40.0*		*115*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*6.45*		*ppmv*	*5.59*		*115*	*75-125*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/04/07 14:53

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: 0530	Temp: 40
Off-site Time: 1000	Temp: 39
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 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. MQD0042 ~~MQD 4~~.	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	0930	4-2-07			x		2						x	x	x		x	
2	02111ASAEFF	0933				x		2						x	x	x		x	
3	02111ASYSINF	0927				x		2						x	x	x		x	
4	02111AGAC1	0925				x		2						x	x	x		x	
5	02111AEFF	0923				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.		4-2-07	0700	Cindy Medeiros	4-3-07	1010
Shipment Date: 4-2-07						
Shipment Method: Fed Ex						
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: ___ °F/C | Trip Blank: Yes (No) | MS/MSD Sample Submitted: Yes (No)

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arcs 2111
REC. BY (PRINT) A.M.
WORKORDER: MQD0042

DATE REC'D AT LAB: 4-3-07
TIME REC'D AT LAB: 1010
DATE LOGGED IN: 43107

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) / Slicker Present / (Absent) AM 4-3-07								
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: — Corrected Temp: — Is corrected temp 4 +/-2°C? Yes / (Not)* (Acceptance range for samples requiring thermal pres.)								
**Exception (if any): METALS / DIF ON ICE or Problem COC Air bags								

4-3-07 AM - See COC

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

FedEx. US Airbill
Express

FedEx Tracking Number 8580 2725 6815

1 From Please print and press hard.

Date 4/20/07 Sender's FedEx Account Number

Sender's Name Phone (530) 626-6004

Company Stratus Environmental

Address 3330 Cameron Pk Dr #550

Dept/Room/Suite/Floor

City Cameron Pk State CA ZIP 95682

2 Your Internal Billing Reference
First 24 characters will appear on invoice. optional

3 To

Recipient's Name Phone ( )

Company Test Americas

Recipient's Address
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept/Floor/Suite/Room

Address 885 Jarvis Drive
To request a package be held at a specific FedEx location, print FedEx address here.

City Morgan Hill State CA ZIP 95037

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fedex.com 1.800.GoFedEx 1.800.463.3339

0200 Sender's Copy

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

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

FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service — Packages over 150 lbs.

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

* Call for Confirmation: ** To most locations.

5 Packaging

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

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

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

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

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

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

- [ ] Cargo Aircraft Only

7 Payment Bill to:

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

Enter FedEx Acct. No. or Credit Card No. below.

FedEx Acct. No. or Credit Card No. 118830881 Exp. Date

Total Packages	Total Weight	Total Declared Value†
		$ .00

† Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability. FedEx Use Only

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

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

520

Rev. Date 8/98 Part # 150231-401891-2005 FedEx PRINTED IN U.S.A. SRY

RETAIN THIS COPY FOR YOUR RECORDS.

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17 April, 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: MQD0044

Enclosed are the results of analyses for samples received by the laboratory on 04/03/07 10:10. 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	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEWINF	MQD0044-01	Water	04/02/07 09:04	04/03/07 10:10
02111ASWINF	MQD0044-02	Water	04/02/07 09:00	04/03/07 10:10
02111ASWEFF	MQD0044-03	Water	04/02/07 08:56	04/03/07 10:10
02111WGAC1	MQD0044-04	Water	04/02/07 08:53	04/03/07 10:10
02111WEFF	MQD0044-05	Water	04/02/07 08:51	04/03/07 10:10
02111MW2WINF	MQD0044-06	Water	04/02/07 09:08	04/03/07 10:10
TB21114207	MQD0044-07	Water	04/02/07 09:50	04/03/07 10:10

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	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

Purgeable Hydrocarbons by EPA 8015B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQD0044-01) Water	**Sampled: 04/02/07 09:04**	**Received: 04/03/07 10:10**							
Gasoline Range Organics (C4-C12)	**1000**	500	ug/l	10	7D10004	04/10/07	04/10/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*91 %*	*75-125*		"	"	"	"	
02111ASWINF (MQD0044-02) Water	**Sampled: 04/02/07 09:00**	**Received: 04/03/07 10:10**							
Gasoline Range Organics (C4-C12)	**850**	500	ug/l	10	7D10004	04/10/07	04/10/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*90 %*	*75-125*		"	"	"	"	
02111ASWEFF (MQD0044-03) Water	**Sampled: 04/02/07 08:56**	**Received: 04/03/07 10:10**							
Gasoline Range Organics (C4-C12)	**94**	50	ug/l	1	7D11010	04/11/07	04/11/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*91 %*	*75-125*		"	"	"	"	
02111WGACI (MQD0044-04) Water	**Sampled: 04/02/07 08:53**	**Received: 04/03/07 10:10**							
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D10004	04/10/07	04/10/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*90 %*	*75-125*		"	"	"	"	
02111WEFF (MQD0044-05) Water	**Sampled: 04/02/07 08:51**	**Received: 04/03/07 10:10**							
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D03007	04/03/07	04/04/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*110 %*	*75-125*		"	"	"	"	
02111MW2WINF (MQD0044-06) Water	**Sampled: 04/02/07 09:08**	**Received: 04/03/07 10:10**							
Gasoline Range Organics (C4-C12)	**570**	250	ug/l	5	7D11010	04/11/07	04/11/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*92 %*	*75-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQD0044-01) Water	**Sampled: 04/02/07 09:04**		**Received: 04/03/07 10:10**						
tert-Amyl methyl ether	**6.6**	5.0	ug/l	10	7D12001	04/12/07	04/12/07	EPA 8260B	
Benzene	**7.1**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1200**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**6.7**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1200**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**16**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*60-135*		"	"	"	"	
02111ASWINF (MQD0044-02) Water	**Sampled: 04/02/07 09:00**		**Received: 04/03/07 10:10**						
tert-Amyl methyl ether	**5.7**	5.0	ug/l	10	7D12001	04/12/07	04/12/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**870**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1100**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**8.5**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWEFF (MQD0044-03) Water Sampled: 04/02/07 08:56 Received: 04/03/07 10:10									
tert-Amyl methyl ether	ND	5.0	ug/l	10	7D12001	04/12/07	04/12/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**710**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**120**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*60-135*		"	"	"	"	
02111WGAC1 (MQD0044-04) Water Sampled: 04/02/07 08:53 Received: 04/03/07 10:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D12001	04/12/07	04/12/07	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		*105 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WEFF (MQD0044-05) Water Sampled: 04/02/07 08:51 Received: 04/03/07 10:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D03006	04/03/07	04/03/07	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: Dibromofluoromethane		*104 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*60-135*		"	"	"	"	
02111MW2WINF (MQD0044-06) Water Sampled: 04/02/07 09:08 Received: 04/03/07 10:10									
tert-Amyl methyl ether	ND	5.0	ug/l	10	7D12001	04/12/07	04/12/07	EPA 8260B	
Benzene	**14**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**730**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**13**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**380**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**8.8**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

Purgeable Hydrocarbons by EPA 8015B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7D03007 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7D03007-BLK1)				Prepared & Analyzed: 04/03/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*84.0*		"	*80.0*		*105*	*75-125*			
Laboratory Control Sample (7D03007-BS1)				Prepared & Analyzed: 04/03/07						
Gasoline Range Organics (C4-C12)	244	50	ug/l	275		89	60-115			
Surrogate: 4-Bromofluorobenzene	*87.4*		"	*80.0*		*109*	*75-125*			
Matrix Spike (7D03007-MS1)	**Source: MQC0710-03**			Prepared & Analyzed: 04/03/07						
Gasoline Range Organics (C4-C12)	266	50	ug/l	275	32	85	60-115			
Surrogate: 4-Bromofluorobenzene	*88.3*		"	*80.0*		*110*	*75-125*			
Matrix Spike Dup (7D03007-MSD1)	**Source: MQC0710-03**			Prepared & Analyzed: 04/03/07						
Gasoline Range Organics (C4-C12)	261	50	ug/l	275	32	83	60-115	2	20	
Surrogate: 4-Bromofluorobenzene	*88.2*		"	*80.0*		*110*	*75-125*			
Batch 7D10004 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7D10004-BLK1)				Prepared & Analyzed: 04/10/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*36.2*		"	*40.0*		*90*	*75-125*			
Laboratory Control Sample (7D10004-BS1)				Prepared & Analyzed: 04/10/07						
Gasoline Range Organics (C4-C12)	225	50	ug/l	275		82	60-115			
Surrogate: 4-Bromofluorobenzene	*37.5*		"	*40.0*		*94*	*75-125*			
Matrix Spike (7D10004-MS1)	**Source: MQD0021-01**			Prepared & Analyzed: 04/10/07						
Gasoline Range Organics (C4-C12)	220	50	ug/l	275	ND	80	60-115			
Surrogate: 4-Bromofluorobenzene	*37.3*		"	*40.0*		*93*	*75-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

Purgeable Hydrocarbons by EPA 8015B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7D10004 - EPA 5030B [P/T] / EPA 8015B-VOA										
Matrix Spike Dup (7D10004-MSD1)	**Source: MQD0021-01**			Prepared & Analyzed: 04/10/07						
Gasoline Range Organics (C4-C12)	214	50	ug/l	275	ND	78	60-115	3	20	
Surrogate: 4-Bromofluorobenzene	*37.3*		"	*40.0*		*93*	*75-125*			
Batch 7D11010 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7D11010-BLK1)				Prepared & Analyzed: 04/11/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*35.9*		"	*40.0*		*90*	*75-125*			
Laboratory Control Sample (7D11010-BS1)				Prepared & Analyzed: 04/11/07						
Gasoline Range Organics (C4-C12)	214	50	ug/l	275		78	60-115			
Surrogate: 4-Bromofluorobenzene	*37.6*		"	*40.0*		*94*	*75-125*			
Matrix Spike (7D11010-MS1)	**Source: MQD0080-09**			Prepared & Analyzed: 04/11/07						
Gasoline Range Organics (C4-C12)	237	50	ug/l	275	ND	86	60-115			
Surrogate: 4-Bromofluorobenzene	*38.4*		"	*40.0*		*96*	*75-125*			
Matrix Spike (7D11010-MS2)	**Source: MQD0080-22**			Prepared: 04/11/07 Analyzed: 04/12/07						
Gasoline Range Organics (C4-C12)	220	50	ug/l	275	16	74	60-115			
Surrogate: 4-Bromofluorobenzene	*38.2*		"	*40.0*		*96*	*75-125*			
Matrix Spike Dup (7D11010-MSD1)	**Source: MQD0080-09**			Prepared & Analyzed: 04/11/07						
Gasoline Range Organics (C4-C12)	230	50	ug/l	275	ND	84	60-115	3	20	
Surrogate: 4-Bromofluorobenzene	*38.1*		"	*40.0*		*95*	*75-125*			
Matrix Spike Dup (7D11010-MSD2)	**Source: MQD0080-22**			Prepared: 04/11/07 Analyzed: 04/12/07						
Gasoline Range Organics (C4-C12)	230	50	ug/l	275	16	78	60-115	4	20	
Surrogate: 4-Bromofluorobenzene	*39.1*		"	*40.0*		*98*	*75-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

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 7D03006 - EPA 5030B P/T / EPA 8260B										
Blank (7D03006-BLK1)				Prepared & Analyzed: 04/03/07						
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: Dibromofluoromethane	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*75-120*			
Surrogate: Toluene-d8	*2.48*		"	*2.50*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-135*			
Laboratory Control Sample (7D03006-BS1)				Prepared & Analyzed: 04/03/07						
tert-Amyl methyl ether	10.0	0.50	ug/l	10.0		100	65-135			
Benzene	10.2	0.50	"	10.0		102	75-120			
tert-Butyl alcohol	197	20	"	200		98	60-135			
Di-isopropyl ether	9.49	0.50	"	10.0		95	70-130			
Ethyl tert-butyl ether	10.2	0.50	"	10.0		102	65-130			
Ethylbenzene	11.0	0.50	"	10.0		110	75-120			
Methyl tert-butyl ether	10.4	0.50	"	10.0		104	50-140			
Toluene	10.9	0.50	"	10.0		109	75-120			
Xylenes (total)	33.3	0.50	"	30.0		111	75-120			
Surrogate: Dibromofluoromethane	*2.54*		"	*2.50*		*102*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*75-120*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.55*		"	*2.50*		*102*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

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 7D03006 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7D03006-MS1)	**Source: MQC0828-07**			Prepared & Analyzed: 04/03/07						
tert-Amyl methyl ether	9.89	0.50	ug/l	10.0	ND	99	65-135			
Benzene	9.70	0.50	"	10.0	ND	97	75-120			
tert-Butyl alcohol	209	20	"	200	ND	104	60-135			
Di-isopropyl ether	8.10	0.50	"	10.0	ND	81	70-130			
Ethyl tert-butyl ether	9.33	0.50	"	10.0	ND	93	65-130			
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-120			
Methyl tert-butyl ether	10.1	0.50	"	10.0	ND	101	50-140			
Toluene	10.9	0.50	"	10.0	ND	109	75-120			
Xylenes (total)	33.0	0.50	"	30.0	ND	110	75-120			
Surrogate: Dibromofluoromethane	*2.66*		"	*2.50*		*106*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		"	*2.50*		*92*	*75-120*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.40*		"	*2.50*		*96*	*60-135*			
Matrix Spike Dup (7D03006-MSD1)	**Source: MQC0828-07**			Prepared & Analyzed: 04/03/07						
tert-Amyl methyl ether	9.34	0.50	ug/l	10.0	ND	93	65-135	6	25	
Benzene	9.27	0.50	"	10.0	ND	93	75-120	5	20	
tert-Butyl alcohol	193	20	"	200	ND	96	60-135	8	25	
Di-isopropyl ether	7.56	0.50	"	10.0	ND	76	70-130	7	25	
Ethyl tert-butyl ether	8.80	0.50	"	10.0	ND	88	65-130	6	25	
Ethylbenzene	10.0	0.50	"	10.0	ND	100	75-120	4	20	
Methyl tert-butyl ether	10.0	0.50	"	10.0	ND	100	50-140	1	25	
Toluene	10.3	0.50	"	10.0	ND	103	75-120	6	25	
Xylenes (total)	31.7	0.50	"	30.0	ND	106	75-120	4	20	
Surrogate: Dibromofluoromethane	*2.70*		"	*2.50*		*108*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		"	*2.50*		*92*	*75-120*			
Surrogate: Toluene-d8	*2.58*		"	*2.50*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.41*		"	*2.50*		*96*	*60-135*			

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

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

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 7D12001 - EPA 5030B P/T / EPA 8260B										
Blank (7D12001-BLK1)				Prepared & Analyzed: 04/12/07						
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	*2.63*		"	*2.50*		*105*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.69*		"	*2.50*		*108*	*60-125*			
Surrogate: Toluene-d8	*2.49*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*60-135*			
Laboratory Control Sample (7D12001-BS1)				Prepared & Analyzed: 04/12/07						
tert-Amyl methyl ether	10.3	0.50	ug/l	10.0		103	65-135			
Benzene	10.4	0.50	"	10.0		104	75-120			
tert-Butyl alcohol	216	20	"	200		108	60-135			
Di-isopropyl ether	10.8	0.50	"	10.0		108	70-130			
Ethyl tert-butyl ether	10.7	0.50	"	10.0		107	65-130			
Ethylbenzene	11.0	0.50	"	10.0		110	75-120			
Methyl tert-butyl ether	10.7	0.50	"	10.0		107	50-140			
Toluene	10.8	0.50	"	10.0		108	75-120			
Xylenes (total)	32.7	0.50	"	30.0		109	75-120			
Surrogate: Dibromofluoromethane	*2.51*		"	*2.50*		*100*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.61*		"	*2.50*		*104*	*60-125*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*60-135*			

TestAmerica
ANALYTICAL TESTING CORPORATION

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

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 7D12001 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7D12001-MS1)	**Source: MQD0044-04**			Prepared & Analyzed: 04/12/07						
tert-Amyl methyl ether	11.1	0.50	ug/l	10.0	ND	111	65-135			
Benzene	10.8	0.50	"	10.0	ND	108	75-120			
tert-Butyl alcohol	231	20	"	200	7.0	112	60-135			
Di-isopropyl ether	11.5	0.50	"	10.0	ND	115	70-130			
Ethyl tert-butyl ether	11.5	0.50	"	10.0	ND	115	65-130			
Ethylbenzene	11.2	0.50	"	10.0	ND	112	75-120			
Methyl tert-butyl ether	11.4	0.50	"	10.0	ND	114	50-140			
Toluene	11.2	0.50	"	10.0	ND	112	75-120			
Xylenes (total)	33.6	0.50	"	30.0	ND	112	75-120			
Surrogate: Dibromofluoromethane	*2.65*		"	*2.50*		*106*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.65*		"	*2.50*		*106*	*60-125*			
Surrogate: Toluene-d8	*2.49*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.57*		"	*2.50*		*103*	*60-135*			
Matrix Spike Dup (7D12001-MSD1)	**Source: MQD0044-04**			Prepared & Analyzed: 04/12/07						
tert-Amyl methyl ether	11.0	0.50	ug/l	10.0	ND	110	65-135	0.9	25	
Benzene	10.5	0.50	"	10.0	ND	105	75-120	3	20	
tert-Butyl alcohol	214	20	"	200	7.0	104	60-135	8	25	
Di-isopropyl ether	11.2	0.50	"	10.0	ND	112	70-130	3	25	
Ethyl tert-butyl ether	11.3	0.50	"	10.0	ND	113	65-130	2	25	
Ethylbenzene	10.9	0.50	"	10.0	ND	109	75-120	3	20	
Methyl tert-butyl ether	11.2	0.50	"	10.0	ND	112	50-140	2	25	
Toluene	10.9	0.50	"	10.0	ND	109	75-120	3	25	
Xylenes (total)	32.5	0.50	"	30.0	ND	108	75-120	3	20	
Surrogate: Dibromofluoromethane	*2.71*		"	*2.50*		*108*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.61*		"	*2.50*		*104*	*60-125*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.61*		"	*2.50*		*104*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQD0044
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	04/17/07 11:15

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: 0530	Temp: 40
Off-site Time: 1000	Temp: 55
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 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: HAQ00044

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	02111DP~~EFFINF~~	0904	4-3-07		x		01	6				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0900			x		02	6				X		x	x	x		x	
3	02111ASWEFF	0856			x		03	6				X		x	x	x		x	
4	02111WGAC1	0853			x		04	6				X		x	x	x		x	
5	02111WEFF	0851			x		05	6				X		x	x	x	x		
6	02111MW2WINF	0908	4-2-07		x		06	6				X		x	x	x		x	
7																			
8																			
9	TB21114207	0950					07	1											Hold
10																			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Chris Hill						
Sampler's Company: Stratus Environmental, Inc.	Chris Hill / Stratus	4-2-07	1700	Cindy Medina	4-3-07	1010
Shipment Date: 4-2-07						
Shipment Method: FedEx						
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: 5.1 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: (Yes) / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco 2111
REC. BY (PRINT): A.M.
WORKORDER: MQD0044

DATE REC'D AT LAB: 4-3-07
TIME REC'D AT LAB: 1010
DATE LOGGED IN: 4-3-07

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: 5.1°C; Corrected Temp: 5.1°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								

4-3-07 A.M. Just COC

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

FedEx® US Airbill
Express

8580 2725 6815

0200

Form ID No.

FedEx Retrieval Copy

1 From

Date 4207

Sender's FedEx Account Number

Sender's Name

Phone 530 676 6004

Company Strata's Environmental

Address 3330 Cameron Pk Dr #570

Dept./Floor/Suite/Room

City Cameron Pk State CA ZIP 95682

2 Your Internal Billing Reference

3 To

Recipient's Name

Phone

Company Test Americas

Recipient's Address

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

Dept./Floor/Suite/Room

Address 885 Jarvis Drive

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

City Morgan Hill State CA ZIP 95037

8580 2725 6815

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

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

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

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

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation.

* To most locations.

** To most locations.

5 Packaging

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.

1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.

31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

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

[X] No. 4 [ ] Yes — As per attached Shipper's Declaration.

[ ] Yes — Shipper's Declaration not required.

6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

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

[ ] Cargo Aircraft Only

7 Payment *Bill to:*

1 [ ] Sender — Acct. No. in Section 1 will be billed.

2 [X] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

Enter FedEx Acct. No. or Credit Card No. below.

Obtain Recip. Acct. No. [ ]

Total Packages

Total Weight

Total Charges

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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

[ ] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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STRATUS ENVIRONMENTAL, INC.

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

June 8, 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 May 1, 15, and 29, 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 May 1, 2007.

Variations from Work Scope: The remediation systems were found non-functioning on May 1, 2007, due to dual phase extraction (DPE) system liquid ring malfunction. The remediation systems were re-started momentarily on May 1, 2007, and shutdown after sampling, pending receipt of analytical results. Upon receipt of analytical results and compliance verification, Stratus re-started the remediation systems on May 15, 2007.

Stratus submitted an application for the renewal of the *Special Discharge Permit* (Permit No. SD-036) to the City of San Leandro on May 30, 2007.

The attachments include field data sheets 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
- 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: 5107
Onsite Time: 0450
Offsite Time: 0730
Equipment Manufacturer/Model# Mini RAE 2000 Air Flow Meter
Potatron PH Meter

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

System Information

System Status Upon Arrival:	Operational	☒	Non-Operational	☒ DPE Blower Failure
System Status Upon Departure:	Operational	☐	Non-Operational	☒ Shut off

Electric Meter Reading: 14242
Hour Meter Reading: 594.2
Totalizer Reading Prior to Air Stripper: 197615
PID Calibration Date: 5-1-07
Totalizer Reading After Air Stripper: 226800

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		27			
Air Velocity, FPM	1510	1908			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			180		
Applied Vacuum, "wc	21 "HG	.40	NA	NA	
Temperature, deg F	162	113	105		
PID Readings, ppmv	89	2.3	32	82	PID for GAC-1: 0

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	50	17					
V-2	50	15					
V-3	50	16					
MW-1	100	14					
MW-3	100	16					
MW-7	100	14					
MW-8	100	16					

Signature: [signature]
Date: 5-1-07

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	5-1-07 0648	02111AGAC1	5-1-07 0642
02111ASAEFF	0646	02111AEFF	0640
02111ASYSINF	0644		
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes
Arrive Red light DPE Blower Off No High water maybe Temp.

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: 5-1-07

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

ORIGINAL

Date:	51507	Technician:	CHILL
Onsite Time:	0500	Weather Conditions:	Clear/Fog
Offsite Time:	0700	Ambient Temperature	50

System Status Upon Arrival: ☐ Operational ☒ Non-operational — Running Air Stripper But Blew Down No Water

System Status At Departure: ☒ Operational ☐ Non-operational

Transfer Pump: ☒ Operational ☐ Non-operational

Transfer Pump Hour Meter Reading: NA

Effluent Flow Totalizer Reading: 225297

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		23708			

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: 51507

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

ORIGINAL

Date: 5107
Onsite Time: 0450
Offsite Time: 0730

Technician: CHILC
Weather Conditions: Clear
Ambient Temperature 45

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

Transfer Pump Hour Meter Reading: NA

Effluent Flow Totalizer Reading: 220892

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 8

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH: 8.6
Temperature: 18.2

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		23646			

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	5-1-07 0619	02111MW2WINF	5107 0700
02111ASWINF	0616		
02111ASWEFF	0613		
02111WGAC1	0610		
02111WEFF	0605		
TB2111S107	0634		

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

Notes:

Signature: [signature] Date: 5-1-07

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

ORIGINAL

Date: 5-15-07
Onsite Time: 0500
Offsite Time: 0700
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clear / Fog
Ambient Temperature: 50

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒ SVE Blower Down
System Status Upon Departure: Operational ☒ Non-Operational ☐
Electric Meter Reading: 15142
Hour Meter Reading: 602.4
Totalizer Reading Prior to Air Stripper: 202300 PID Calibration Date: 5-14-07
Totalizer Reading After Air Stripper: 231220

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			182		
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm	3120	3320			
Applied Vacuum, "wc	22"HG	45	NA	NA	
Temperature, deg F	176	173	90		
PID Readings, ppmv	175	0	54	0	PID for GAC-1: 0

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	50	15					
V-2	50	15					
V-3	50	15					
MW-1	100	15					
MW-3	100	15					
MW-7	100	15					
MW-6	100	15					

Signature: [signature] Date: 5-15-07

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
SVE/DPE Blower In Box making Box To Allow More Cooling Air To Enter And Exit Box. Will See if This Helps

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: 5/5/07

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

ORIGINAL

Date: 5-29-07
Onsite Time: 0830
Offsite Time: 0930

Technician: CMILL
Weather Conditions: Clouds
Ambient Temperature 47

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: —
Effluent Flow Totalizer Reading: 410246
No. of Carbon Vessels: 2
Lead Carbon Vessel Pressure (psi): 16

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

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		2370			

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: 5-29-07

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

ORIGINAL

Date: 5-29-07
Onsite Time: 0830
Offsite Time: 0930
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clouds
Ambient Temperature: 47

System Information

System Status Upon Arrival: Operational [X] Non-Operational [ ]
System Status Upon Departure: Operational [X] Non-Operational [ ]
Electric Meter Reading: 23962
Hour Meter Reading: 942.0
Totalizer Reading Prior to Air Stripper: 398664
PID Calibration Date: 5-28-07
Totalizer Reading After Air Stripper: 420940

16 PSI Level
410246 Total out

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		25"H2O			MW2 2370
Air Velocity, FPM	4870	2659			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			190		
Applied Vacuum, "wc	20"Hg	~~40~~"H2O	NA	NA	
Temperature, deg F	165	125	112		
PID Readings, ppmv	66	1	32	0	PID for GAC-1: 0
					3PSI 2 carbon

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1		15					
V-2		12					
V-3		15					
MW-1		15					
MW-3		15					
MW-7		14					
MW8		13					

Signature: [signature]
Date: 5-29-07

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:	0450	Temp:	45
Off-site Time:	0730	Temp:	45
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:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Matrix:	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Preservative:	Requested Analysis: GRO by 8015	Requested Analysis: BTEX by 8260	Requested Analysis: MTBE by 8260	Requested Analysis:	Requested Analysis:	Turnaround Time: 24-hours	Turnaround Time: Standard	Turnaround Time:	Turnaround Time:	Turnaround Time:	Sample Point Lat/Long and Comments
1	02111DPEAINF	0648	5-1-07			x			2							x	x	x				x				
2	02111ASAEFF	0646				x			2							x	x	x				x				
3	02111ASYSINF	0644				x			2							x	x	x				x				
4	02111AGAC1	0642				x			2							x	x	x				x				
5	02111AEFF	0640				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.	Chris Hill Stratus	5/1/07	1730	Mindy Mathews	5/1/07	1030
Shipment Date: 5-1-07						
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: °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: 0450	Temp: 45
Off-site Time: 0730	Temp: 50
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 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: 5-oxygenates by 8260	Turnaround Time: 24-hours	Turnaround Time: Standard	Sample Point Lat/Long and Comments
1	~~02111DPW7WINF~~		5-1-07		x			3				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0616			x			6				X		x	x	x		x	
3	02111ASWEFF	0613			x			6				X		x	x	x		x	
4	02111WGAC1	0610			x			6				X		x	x	x		x	
5	02111WEFF	0605			x			6				X		x	x	x	x		
6	02111MW2WINF	0700			x			6				X		x	x	x		x	
7	02111 DREW INF	0619						6				X							
8																			
9	TB2111 5107	0634	5107					2											Hold
10																			

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation
Sampler's Company: Stratus Environmental, Inc.	Stratus	5/1/07	1030	Cindy Medina
Shipment Date: 5-1-07				
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: °F/(C) | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes / (No)

TestAmerica
ANALYTICAL TESTING CORPORATION

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

15 May, 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: MQE0011

Enclosed are the results of analyses for samples received by the laboratory on 05/01/07 10:30. 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	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111ASWINF	MQE0011-01	Water	05/01/07 06:16	05/01/07 10:30
02111ASWEFF	MQE0011-02	Water	05/01/07 06:13	05/01/07 10:30
02111WGAC1	MQE0011-03	Water	05/01/07 06:10	05/01/07 10:30
02111WEFF	MQE0011-04	Water	05/01/07 06:05	05/01/07 10:30
02111MW2WINF	MQE0011-05	Water	05/01/07 07:00	05/01/07 10:30
02111DPEWINF	MQE0011-06	Water	05/01/07 06:19	05/01/07 10:30
TB21115107	MQE0011-07	Water	05/01/07 06:34	05/01/07 10:30

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	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

Purgeable Hydrocarbons by EPA 8015B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWINF (MQE0011-01) Water Sampled: 05/01/07 06:16 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	**760**	250	ug/l	5	7E10010	05/10/07	05/10/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*102 %*	*75-125*		"	"	"	"	
02111ASWEFF (MQE0011-02) Water Sampled: 05/01/07 06:13 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	**76**	50	ug/l	1	7E10010	05/10/07	05/10/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*102 %*	*75-125*		"	"	"	"	
02111WGAC1 (MQE0011-03) Water Sampled: 05/01/07 06:10 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E10010	05/10/07	05/10/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*75-125*		"	"	"	"	
02111WEFF (MQE0011-04) Water Sampled: 05/01/07 06:05 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01020	05/01/07	05/01/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	
02111MW2WINF (MQE0011-05) Water Sampled: 05/01/07 07:00 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	**1200**	500	ug/l	10	7E10010	05/10/07	05/10/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*103 %*	*75-125*		"	"	"	"	
02111DPEWINF (MQE0011-06) Water Sampled: 05/01/07 06:19 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	**900**	500	ug/l	10	7E10010	05/10/07	05/10/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*101 %*	*75-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWINF (MQE0011-01) Water	**Sampled: 05/01/07 06:16**		**Received: 05/01/07 10:30**						
tert-Amyl methyl ether	**5.0**	5.0	ug/l	10	7E01018	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**680**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**880**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-135*		"	"	"	"	
02111ASWEFF (MQE0011-02) Water	**Sampled: 05/01/07 06:13**		**Received: 05/01/07 10:30**						
tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01018	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**640**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**66**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WGAC1 (MQE0011-03) Water Sampled: 05/01/07 06:10 Received: 05/01/07 10:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01018	05/01/07	05/02/07	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		*108 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-135*		"	"	"	"	
02111WEFF (MQE0011-04) Water Sampled: 05/01/07 06:05 Received: 05/01/07 10:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01018	05/01/07	05/02/07	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		*102 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*99 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*60-135*		"	"	"	"	

TestAmerica
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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111MW2WINF (MQE0011-05) Water	**Sampled: 05/01/07 07:00**		**Received: 05/01/07 10:30**						
tert-Amyl methyl ether	ND	5.0	ug/l	10	7E01018	05/01/07	05/02/07	EPA 8260B	
Benzene	**9.1**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**320**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**14**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**270**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**6.8**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*60-135*		"	"	"	"	
02111DPEWINF (MQE0011-06) Water	**Sampled: 05/01/07 06:19**		**Received: 05/01/07 10:30**						
tert-Amyl methyl ether	**5.2**	5.0	ug/l	10	7E01018	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**740**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**900**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**9.0**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*60-135*		"	"	"	"	

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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

Purgeable Hydrocarbons by EPA 8015B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E01020 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7E01020-BLK1)				Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*39.0*		"	*40.0*		*98*	*75-125*			
Laboratory Control Sample (7E01020-BS1)				Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	206	50	ug/l	275		75	60-115			
Surrogate: 4-Bromofluorobenzene	*42.2*		"	*40.0*		*106*	*75-125*			
Matrix Spike (7E01020-MS1)	**Source: MQD1131-05**			Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	255	50	ug/l	275	ND	93	60-115			
Surrogate: 4-Bromofluorobenzene	*42.4*		"	*40.0*		*106*	*75-125*			
Matrix Spike Dup (7E01020-MSD1)	**Source: MQD1131-05**			Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	248	50	ug/l	275	ND	90	60-115	3	20	
Surrogate: 4-Bromofluorobenzene	*41.1*		"	*40.0*		*103*	*75-125*			
Batch 7E10010 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7E10010-BLK1)				Prepared & Analyzed: 05/10/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*81.8*		"	*80.0*		*102*	*75-125*			
Laboratory Control Sample (7E10010-BS1)				Prepared & Analyzed: 05/10/07						
Gasoline Range Organics (C4-C12)	211	50	ug/l	275		77	60-115			
Surrogate: 4-Bromofluorobenzene	*83.5*		"	*80.0*		*104*	*75-125*			
Matrix Spike (7E10010-MS1)	**Source: MQE0011-02**			Prepared & Analyzed: 05/10/07						
Gasoline Range Organics (C4-C12)	284	50	ug/l	275	76	76	60-115			
Surrogate: 4-Bromofluorobenzene	*83.9*		"	*80.0*		*105*	*75-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

Purgeable Hydrocarbons by EPA 8015B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7E10010 - EPA 5030B [P/T] / EPA 8015B-VOA										
Matrix Spike Dup (7E10010-MSD1)	**Source: MQE0011-02**			Prepared & Analyzed: 05/10/07						
Gasoline Range Organics (C4-C12)	287	50	ug/l	275	76	77	60-115	1	20	
Surrogate: 4-Bromofluorobenzene	*83.8*		"	*80.0*		*105*	*75-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

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 7E01018 - EPA 5030B P/T / EPA 8260B										
Blank (7E01018-BLK1)				Prepared & Analyzed: 05/01/07						
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	*2.66*		"	*2.50*		*106*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.79*		"	*2.50*		*112*	*60-125*			
Surrogate: Toluene-d8	*2.44*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*98*	*60-135*			
Laboratory Control Sample (7E01018-BS1)				Prepared & Analyzed: 05/01/07						
tert-Amyl methyl ether	9.56	0.50	ug/l	10.0		96	65-135			
Benzene	9.32	0.50	"	10.0		93	75-120			
tert-Butyl alcohol	191	20	"	200		96	60-135			
Di-isopropyl ether	10.0	0.50	"	10.0		100	70-130			
Ethyl tert-butyl ether	9.58	0.50	"	10.0		96	65-130			
Ethylbenzene	10.5	0.50	"	10.0		105	75-120			
Methyl tert-butyl ether	9.71	0.50	"	10.0		97	50-140			
Toluene	9.86	0.50	"	10.0		99	75-120			
Xylenes (total)	31.2	0.50	"	30.0		104	75-120			
Surrogate: Dibromofluoromethane	*2.39*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		"	*2.50*		*98*	*60-125*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*98*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

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 7E01018 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7E01018-MS1)	**Source: MQD1106-01**			Prepared & Analyzed: 05/01/07						
tert-Amyl methyl ether	10.0	0.50	ug/l	10.0	ND	100	65-135			
Benzene	9.99	0.50	"	10.0	ND	100	75-120			
tert-Butyl alcohol	202	20	"	200	ND	101	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0	ND	103	70-130			
Ethyl tert-butyl ether	10.1	0.50	"	10.0	ND	101	65-130			
Ethylbenzene	10.6	0.50	"	10.0	ND	106	75-120			
Methyl tert-butyl ether	10.1	0.50	"	10.0	ND	101	50-140			
Toluene	10.4	0.50	"	10.0	ND	104	75-120			
Xylenes (total)	30.8	0.50	"	30.0	ND	103	75-120			
Surrogate: Dibromofluoromethane	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.49*		"	*2.50*		*100*	*60-125*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.33*		"	*2.50*		*93*	*60-135*			
Matrix Spike Dup (7E01018-MSD1)	**Source: MQD1106-01**			Prepared & Analyzed: 05/01/07						
tert-Amyl methyl ether	12.2	0.50	ug/l	10.0	ND	122	65-135	20	25	
Benzene	10.2	0.50	"	10.0	ND	102	75-120	2	20	
tert-Butyl alcohol	216	20	"	200	ND	108	60-135	7	25	
Di-isopropyl ether	11.9	0.50	"	10.0	ND	119	70-130	14	25	
Ethyl tert-butyl ether	12.2	0.50	"	10.0	ND	122	65-130	19	25	
Ethylbenzene	10.8	0.50	"	10.0	ND	108	75-120	2	20	
Methyl tert-butyl ether	11.8	0.50	"	10.0	ND	118	50-140	16	25	
Toluene	10.4	0.50	"	10.0	ND	104	75-120	0	25	
Xylenes (total)	32.4	0.50	"	30.0	ND	108	75-120	5	20	
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.89*		"	*2.50*		*116*	*60-125*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.55*		"	*2.50*		*102*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0011
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/15/07 12:26

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: 0450	Temp: 45
Off-site Time: 0730	Temp: 50
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	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506/925-275-3815	

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.:	G0C28-0023
Provision or OOC (circle one)	Provision
Phase/WBS:	03-O&M
Sub Phase/Task:	03-Analytical
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: MQE0011

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~~		5-10-07		x			6				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0616			x			6				X		x	x	x		x	
3	02111ASWEFF	0613			x			6				X		x	x	x		x	
4	02111WGAC1	0610			x			6				X		x	x	x		x	
5	02111WEFF	0605			x			6				X		x	x	x	x		
6	02111MW2WINF	0700			x			6				X		x	x	x		x	
7	02111DREWINF	0619						6				X							
8																			
9	TB2111 5107	0634	5107					1											Hold
10																			

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stratus Environmental, Inc.	Stratus	5/07	1032	Cindy Medina	5/1/07	1030
Shipment Date: 5-1-07						
Shipment Method: Stratus						
ment Tracking No:						

tructions: Please cc results to bpedf@broadbentinc.Com

ls 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) A.M.
WORKORDER: MQE0011

DATE REC'D AT LAB: 5/1/07
TIME REC'D AT LAB: 1030
DATE LOGGED IN: 5/1/07

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 #: ———								
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*								5/1/07 AM See 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: 11°C								
Corrected Temp: 11°C								
Is corrected temp 4 +/-2°C? Yes / (No)**								
(Acceptance range for samples requiring thermal pres.)								
Exception (if any): METALS / DFF ON ICE								
Problem COC								

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

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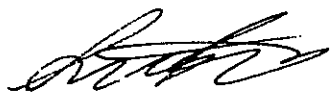
2 May, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQE0013

Enclosed are the results of analyses for samples received by the laboratory on 05/01/07 10:30. 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	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQE0013-01	Vapor	05/01/07 06:48	05/01/07 10:30
02111ASAEFF	MQE0013-02	Vapor	05/01/07 06:46	05/01/07 10:30
02111ASYSINF	MQE0013-03	Vapor	05/01/07 06:44	05/01/07 10:30
02111AGAC1	MQE0013-04	Vapor	05/01/07 06:42	05/01/07 10:30
02111AEFF	MQE0013-05	Vapor	05/01/07 06:40	05/01/07 10:30

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	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQE0013-01) Vapor	**Sampled: 05/01/07 06:48**		**Received: 05/01/07 10:30**						
Gasoline Range Organics (C4-C12)	**590**	50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 18:41	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*121 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**170**	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*	*60-125*		"	"	"	"	
02111ASAEFF (MQE0013-02) Vapor	**Sampled: 05/01/07 06:46**		**Received: 05/01/07 10:30**						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 16:16	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-125*		"	"	"	"	
02111ASYSINF (MQE0013-03) Vapor	**Sampled: 05/01/07 06:44**		**Received: 05/01/07 10:30**						
Gasoline Range Organics (C4-C12)	**160**	50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 16:49	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**45**	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*60-125*		"	"	"	"	
02111AGAC1 (MQE0013-04) Vapor	**Sampled: 05/01/07 06:42**		**Received: 05/01/07 10:30**						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 17:22	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-125*		"	"	"	"	
02111AEFF (MQE0013-05) Vapor	**Sampled: 05/01/07 06:40**		**Received: 05/01/07 10:30**						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 15:09	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQE0013-01) Vapor Sampled: 05/01/07 06:48 Received: 05/01/07 10:30									
Methyl tert-butyl ether	**46**	0.50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 18:41	EPA 8260B	
Benzene	**1.6**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.7**	0.50	"	"	"	"	"	"	
Xylenes (total)	**4.0**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	**13**	0.14	ppmv	"	"	"	"	"	
Benzene	**0.49**	0.16	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	**0.40**	0.12	"	"	"	"	"	"	
Xylenes (total)	**0.93**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*	*60-125*		"	"	"	"	
02111ASAEFF (MQE0013-02) Vapor Sampled: 05/01/07 06:46 Received: 05/01/07 10:30									
Methyl tert-butyl ether	**11**	0.50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 16:16	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	**3.0**	0.14	ppmv	"	"	"	"	"	
Benzene	ND	0.16	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-125*		"	"	"	"	

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

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASYSINF (MQE0013-03) Vapor	**Sampled: 05/01/07 06:44**	**Received: 05/01/07 10:30**							
Methyl tert-butyl ether	**18**	0.50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 16:49	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.97**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	**5.1**	0.14	ppmv	"	"	"	"	"	
Benzene	ND	0.16	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	**0.22**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*60-125*		"	"	"	"	
02111AGAC1 (MQE0013-04) Vapor	**Sampled: 05/01/07 06:42**	**Received: 05/01/07 10:30**							
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 17:22	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	ND	0.14	ppmv	"	"	"	"	"	
Benzene	ND	0.16	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AEFF (MQE0013-05) Vapor	**Sampled: 05/01/07 06:40**		**Received: 05/01/07 10:30**						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7E01013	05/01/07	05/01/07 15:09	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	ND	0.14	ppmv	"	"	"	"	"	
Benzene	ND	0.16	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

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 7E01013 - EPA 5030B P/T / LUFT GCMS										
Blank (7E01013-BLK1)				Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	14	ppmv							
Surrogate: 1,2-Dichloroethane-d4	*0.646*		"	*0.594*		*109*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.72*		*mg/m³ Air*	*2.50*		*109*	*60-125*			
Laboratory Control Sample (7E01013-BS2)				Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	126	14	ppmv	142		89	65-120			
Gasoline Range Organics (C4-C12)	443	50	mg/m³ Air	500		89	65-120			
Surrogate: 1,2-Dichloroethane-d4	*0.665*		*ppmv*	*0.594*		*112*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.80*		*mg/m³ Air*	*2.50*		*112*	*60-125*			
Laboratory Control Sample Dup (7E01013-BSD2)				Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	536	50	mg/m³ Air	500		107	65-120	19	20	
Gasoline Range Organics (C4-C12)	152	14	ppmv	142		107	65-120	19	20	
Surrogate: 1,2-Dichloroethane-d4	*0.665*		"	*0.594*		*112*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.80*		*mg/m³ Air*	*2.50*		*112*	*60-125*			
Duplicate (7E01013-DUP1)	**Source: MQE0013-05**			Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air		ND				200	
Gasoline Range Organics (C4-C12)	ND	14	ppmv		ND				200	
Surrogate: 1,2-Dichloroethane-d4	*0.672*		"	*0.594*		*113*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.83*		*mg/m³ Air*	*2.50*		*113*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

Purgeable Hydrocarbons and 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 7E01013 - EPA 5030B P/T / EPA 8260B										
Blank (7E01013-BLK1)				Prepared & Analyzed: 05/01/07						
Methyl tert-butyl ether	ND	0.14	ppmv							
Methyl tert-butyl ether	ND	0.50	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	0.50	mg/m³ Air							
Xylenes (total)	ND	0.12	ppmv							
Surrogate: 1,2-Dichloroethane-d4	*0.646*		"	*0.594*		*109*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.72*		*mg/m³ Air*	*2.50*		*109*	*60-125*			
Laboratory Control Sample (7E01013-BS1)				Prepared & Analyzed: 05/01/07						
Methyl tert-butyl ether	2.93	0.14	ppmv	2.78		105	50-140			
Methyl tert-butyl ether	10.6	0.50	mg/m³ Air	10.0		106	50-140			
Benzene	9.36	0.50	"	10.0		94	75-120			
Benzene	2.94	0.16	ppmv	3.14		94	75-120			
Toluene	9.91	0.50	mg/m³ Air	10.0		99	75-120			
Toluene	2.63	0.13	ppmv	2.66		99	75-120			
Ethylbenzene	10.4	0.50	mg/m³ Air	10.0		104	75-120			
Ethylbenzene	2.41	0.12	ppmv	2.31		104	75-120			
Xylenes (total)	31.3	0.50	mg/m³ Air	30.0		104	75-120			
Xylenes (total)	7.23	0.12	ppmv	6.92		104	75-120			
Surrogate: 1,2-Dichloroethane-d4	*2.74*		*mg/m³ Air*	*2.50*		*110*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.651*		*ppmv*	*0.594*		*110*	*60-125*			
Duplicate (7E01013-DUP1)	**Source: MQE0013-05**			Prepared & Analyzed: 05/01/07						
Methyl tert-butyl ether	ND	0.14	ppmv		ND				200	
Methyl tert-butyl ether	ND	0.50	mg/m³ Air		ND				200	
Benzene	ND	0.50	"		ND				200	
Benzene	ND	0.16	ppmv		ND				200	
Toluene	ND	0.50	mg/m³ Air		ND				200	
Toluene	ND	0.13	ppmv		ND				200	
Ethylbenzene	ND	0.50	mg/m³ Air		ND				200	
Ethylbenzene	ND	0.12	ppmv		ND				200	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

Purgeable Hydrocarbons and 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 7E01013 - EPA 5030B P/T / EPA 8260B										
Duplicate (7E01013-DUP1)	**Source: MQE0013-05**			Prepared & Analyzed: 05/01/07						
Xylenes (total)	ND	0.50	mg/m³ Air		ND				200	
Xylenes (total)	ND	0.12	ppmv		ND				200	
Surrogate: 1,2-Dichloroethane-d4	*2.83*		*mg/m³ Air*	*2.50*		*113*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.672*		*ppmv*	*0.594*		*113*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQE0013
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	05/02/07 14:57

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
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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:	0450	Temp:	45
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.

Item No.	Sample Description (Lab Bottle Order No: MQE0013)	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	0648	5-1-07			x		2						x	x	x		x	
2	02111ASAEFF	0646				x		2						x	x	x		x	
3	02111ASYSINF	0644				x		2						x	x	x		x	
4	02111AGAC1	0642				x		2						x	x	x		x	
5	02111AEFF	0640				x		2						x	x	x	x		
6																			
7																			
8																			
9																			
10																			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Chris Hill						
Sampler's Company: Stratus Environmental, Inc.	Chris Hill Stratus	5/1/07	1830	Mindy Mullins	5/1/07	1830
Shipment Date: 5-1-07						
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: °F/C | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / (No)

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco 2111
REC. BY (PRINT) A.M.
WORKORDER:

DATE REC'D AT LAB: 5/1/07
TIME REC'D AT LAB: 1030
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 #:									
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:	11°C								
Corrected Temp:	11°C								
Is corrected temp 4 +/-2°C?	Yes / (No)**								

*Acceptance range for samples requiring thermal pres.)

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

5/1/07 A.M. See COC

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

n 8
(07/19/05)

STRATUS ENVIRONMENTAL, INC.

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

July 5, 2007

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

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes and Gowri Kowtha / Jay Johnson

Phone Number: (530) 676-6001 / (530) 676-6000

On-Site Supplier Representatives: Chris Hill

Number of Site Visits: 3 (June 4, 12, and 26, 2007)

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

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 June 4, 2007.

Findings and Notes: The remediation systems were found non-functioning on June 4, 2007, due to high-water level alarm on the air stripper. The remediation systems were re-started on June 4, 2007, and shutdown after sampling, pending receipt of analytical results. Upon receipt of analytical results and compliance verification, Stratus attempted to re-start the GETS on June 12, 2007, but the system shutdown due to high-high alarm on the air stripper. Further investigation proved that the lead carbon vessel was plugged and was retarding water flow, resulting in a high water alarm on the air stripper. A carbon sample was collected on June 12, 2007 to profile the carbon for changeout and disposal. Maintenance was conducted on the lead carbon vessel to loosen the carbon and the remediation systems were re-started on June 26, 2007. A carbon-changeout for the GETS is tentatively scheduled during July 2007.

An application for the renewal of the *Special Discharge Permit* (Permit No. SD-036) was approved by the City of San Leandro on June 7, 2007.

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.

Gowri S. Kowtha, P.E.
Principal Engineer

Jay R. Johnson, P.G.
Project Manager

PROFESSIONAL GEOLOGIST
Jay R. Johnson
No. 5867
STATE OF CALIFORNIA

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
Groundwater Treatment System

ORIGINAL

Date: 6407
Onsite Time: 0500
Offsite Time: 0730

Technician: CHILE
Weather Conditions: Cloud
Ambient Temperature 45

System Status Upon Arrival: ☐ Operational ☒ Non-operational High Levels Level Air Stripper
System Status At Departure: ☐ Operational ☒ Non-operational
Transfer Pump: ☐ Operational ☒ Non-operational Waiting For Samples

Transfer Pump Hour Meter Reading: _____

Effluent Flow Totalizer Reading: 429450

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 24

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH: 8.2
Temperature: 15.3 C

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		2430			

Sampling Information

Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	6407 0445	02111MW2WINF	6407 0640
02111ASWINF	0635		
02111ASWEFF	0605		
02111WGAC1	0600		
02111WEFF	0555	TB2111 6407	0721

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

Notes: Level Water Carbon Plugging 24 PSI

Signature: _____ Date: 6407

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

ORIGINAL

Date: 6-4-07
Onsite Time: 0500
Offsite Time: 0730
Equipment Manufacturer/Model#

Technician: CHICK
Weather Conditions: Cloud
Ambient Temperature: 45

System Information

System Status Upon Arrival:	Operational	☐	Non-Operational	☒ High water level Air stripper
System Status Upon Departure:	Operational	☐	Non-Operational	☒
Electric Meter Reading:	24890			
Hour Meter Reading:	981.7			
Totalizer Reading Prior to Air Stripper:	419192	PID Calibration Date:	6.4.07	
Totalizer Reading After Air Stripper:	440650			

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc					
Air Velocity, FPM	3804	3888			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			190		
Applied Vacuum, "wc	20" Hg	50	NA	NA	
Temperature, deg F	151	120	102		
PID Readings, ppmv	122	0	50	0	PID for GAC-1: 0

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	100	17					
V-2		15					
V-3		16					
MW-1		15					
MW-3		17					
MW-7		14					
MW-8		17					

Signature: [signature]
Date: 6407

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	6407 0633	02111AGAC1	6407 0626
02111ASAEFF	" 0631	02111AEFF	" 0624
02111ASYSINF	" 0629		
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: 6409

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Chain of Custody Record

RUSH ORIGINAL

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:	45
Off-site Time:	0	Temp:	47
Sky Conditions:	Cloudy		
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.

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
	02111 DPEWINF																		
1	02111DPEWINF	0645	6/4/07		x			6				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0635			x			6				X		x	x	x		x	
3	02111ASWEFF	0605			x			6				X		x	x	x		x	
4	02111WGAC1	0600			x			6				X		x	x	x		x	
5	02111WEFF	0555			x			6				X		x	x	x	x		
6	02111MW2WINF	0640			x			6				X		x	x	x		x	
7																			
8																			
9	TB21116407	0701	6/4/07		X			2											Hold
10																			

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation
Sampler's Company: Stratus Environmental, Inc.	[signature] Stratus	6/4/07	1045	[signature] TAMH
Shipment Date: 6.4.07				
Shipment Method: Stratus				
Shipment Tracking No:				

Date	6/4/07								
Time	1045								

Special Instructions: Please cc results to bpedf@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

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: 45
Off-site Time: 0730	Temp: 47
Sky Conditions: Clouds	
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	0633	6/4			x		2						x	x	x		x	
2	02111ASAEFF	0631				x		2						x	x	x		x	
3	02111ASYSINF	0629				x		2						x	x	x		x	
4	02111AGAC1	0626				x		2						x	x	x		x	
5	02111AEFF	0624				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.		6/4/07	2040		6/4/07	1041
Shipment Date: 6/4/07						
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: — °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: 6-12-07
Onsite Time: 0900
Offsite Time: 0730
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 44°

System Information

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

Electric Meter Reading: 25912
Hour Meter Reading: 982.5
Totalizer Reading Prior to Air Stripper: 419983
Totalizer Reading After Air Stripper: 441400
PID Calibration Date:

No Flow Through Lead Carbon Even After Breaking up Top of Carbon Drain Carbons - Need change out H2O Carbons

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: [signature]
Date: 6-12-07

MAG 0-40 "H2O

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

ORIGINAL

Date: 6-12-07
Onsite Time: 0500
Offsite Time: 0730

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature 45

System Status Upon Arrival: ☐ Operational ☒ Non-operational See Dual Phase Sheet
System Status At Departure: ☐ Operational ☒ Non-operational
Transfer Pump: ☐ Operational ☒ Non-operational Need Carbon #2

Transfer Pump Hour Meter Reading: NA

Effluent Flow Totalizer Reading: 450092

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): No Flow

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

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

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: 6/12/07

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL

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): STD TAT

On-site Time:	0500	Temp:	45
Off-site Time:	0730	Temp:	45
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	Water/Liquid	Air	Carbon	Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: 10 VOCs by TCLP, see comments	Turnaround Time: 24-hours	Standard	Sample Point Lat/Long and Comments
1	Carbon Sample	0550	6/12/07				x		1						x		x	10 VOCs to be analzed by TCLP method are: Vinyl chloride, 1,1-dicloroethene, chloroform, 1,2-dichloroethane, methyl ethyl ketone butanone, carbon tetrachloride, tricholoethene, benzene, tetrachloroethene, and chlorobenzene.
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 Environmental, Inc.						
Shipment Date:	6-13-07		6/13/07	1098		6/13/07	1045
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: °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: 6-26-07
Onsite Time: 0430
Offsite Time: 0645
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 60

System Information

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

Electric Meter Reading: 24948
Hour Meter Reading: 982.0
Totalizer Reading Prior to Air Stripper: 420560
PID Calibration Date: 6-25-07
Totalizer Reading After Air Stripper: 441920 441920

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		22			
Air Velocity, FPM	2990	3222	~~2510~~		
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm	~~90~~		~~90~~ 190		
Applied Vacuum, "wc	21 "HG	45	NA	NA	
Temperature, deg F	~~90~~ 138	119	90		
PID Readings, ppmv	298	1	101	~~8~~	PID for GAC-1: ~~82~~

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	15					
MW-3	100	19					
MW-7	100	17					
MW-5	100	16					

Signature:
Date: 62607

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

ORIGINAL

Date: 62607
Onsite Time: 0430
Offsite Time: 0645

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature 60

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: 430222
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	2476			

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: Breakup carbon in lead carbon - Remove Plugged PVC ~~Reducer~~ From inlet Restart system

Signature: [signature] Date: 6-26-07

TestAmerica
ANALYTICAL TESTING CORPORATION

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

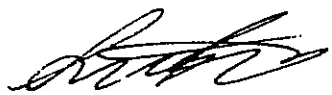
22 June, 2007

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

RE: ARCO #2111, San Leandro, CA
Work Order: MQF0433

Enclosed are the results of analyses for samples received by the laboratory on 06/13/07 20:30. 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.

TestAmerica
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Morgan Hill, CA 95037
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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0433
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/22/07 11:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Carbon Sample	MQF0433-01	Solid	06/12/07 05:30	06/13/07 20:30

These samples were received with no custody seals.

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0433
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/22/07 11:16

TCLP Volatile Organic Compounds by EPA Method 1311/8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Carbon Sample (MQF0433-01) Solid Sampled: 06/12/07 05:30 Received: 06/13/07 20:30									
Benzene	ND	5.0	ug/l	1	7F21004	06/21/07	06/21/07	EPA 8260B	
2-Butanone	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	10	"	"	"	"	"	"	
Chloroform	ND	6.0	"	"	"	"	"	"	MB
1,4-Dichlorobenzene	ND	7.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	7.0	"	"	"	"	"	"	
Tetrachloroethene	ND	7.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*70-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83 %*	*60-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0433
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/22/07 11:16

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7F21004 - EPA 5030B P/T / EPA 8260B										
Blank (7F21004-BLK1)				Prepared & Analyzed: 06/21/07						
Benzene	ND	5.0	ug/l							
2-Butanone	ND	20	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	10	"							
Chloroform	6.71	6.0	"							MB
1,4-Dichlorobenzene	ND	7.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	7.0	"							
Tetrachloroethene	ND	7.0	"							
Trichloroethene	ND	5.0	"							
Vinyl chloride	ND	2.0	"							
Surrogate: Dibromofluoromethane	*2.17*		"	*2.50*		*87*	*70-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		"	*2.50*		*95*	*65-135*			
Surrogate: Toluene-d8	*2.30*		"	*2.50*		*92*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.00*		"	*2.50*		*80*	*60-120*			
Laboratory Control Sample (7F21004-BS1)				Prepared & Analyzed: 06/21/07						
Benzene	905	5.0	ug/l	1000		90	70-140			
2-Butanone	3590	20	"	5000		72	20-150			
Carbon tetrachloride	941	5.0	"	1000		94	60-135			
Chlorobenzene	974	10	"	1000		97	75-140			
Chloroform	979	6.0	"	1000		98	75-125			MB
1,4-Dichlorobenzene	916	7.0	"	1000		92	70-140			
1,2-Dichloroethane	947	5.0	"	1000		95	75-130			
1,1-Dichloroethene	1030	7.0	"	1000		103	70-140			
Tetrachloroethene	919	7.0	"	1000		92	70-140			
Trichloroethene	1010	5.0	"	1000		101	75-145			
Vinyl chloride	850	2.0	"	1000		85	10-150			
Surrogate: Dibromofluoromethane	*2.49*		"	*2.50*		*100*	*70-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*65-135*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.34*		"	*2.50*		*94*	*60-120*			

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

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0433
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/22/07 11:16

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7F21004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7F21004-MS1)	**Source: MQF0433-01**			Prepared & Analyzed: 06/21/07						
Benzene	934	5.0	ug/l	1000	ND	93	70-140			
2-Butanone	3770	20	"	5000	ND	75	20-150			
Carbon tetrachloride	899	5.0	"	1000	ND	90	60-135			
Chlorobenzene	935	10	"	1000	ND	94	75-140			
Chloroform	957	6.0	"	1000	ND	96	75-125			MB
1,4-Dichlorobenzene	898	7.0	"	1000	ND	90	70-140			
1,2-Dichloroethane	980	5.0	"	1000	ND	98	75-130			
1,1-Dichloroethene	934	7.0	"	1000	ND	93	70-140			
Tetrachloroethene	851	7.0	"	1000	ND	85	70-140			
Trichloroethene	919	5.0	"	1000	ND	92	75-145			
Vinyl chloride	938	2.0	"	1000	ND	94	10-150			
Surrogate: Dibromofluoromethane	*2.43*		"	*2.50*		*97*	*70-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*65-135*			
Surrogate: Toluene-d8	*2.33*		"	*2.50*		*93*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.28*		"	*2.50*		*91*	*60-120*			
Matrix Spike Dup (7F21004-MSD1)	**Source: MQF0433-01**			Prepared & Analyzed: 06/21/07						
Benzene	918	5.0	ug/l	1000	ND	92	70-140	2	25	
2-Butanone	3530	20	"	5000	ND	71	20-150	6	40	
Carbon tetrachloride	889	5.0	"	1000	ND	89	60-135	1	30	
Chlorobenzene	925	10	"	1000	ND	93	75-140	1	30	
Chloroform	946	6.0	"	1000	ND	95	75-125	1	20	MB
1,4-Dichlorobenzene	892	7.0	"	1000	ND	89	70-140	0.6	30	
1,2-Dichloroethane	942	5.0	"	1000	ND	94	75-130	4	25	
1,1-Dichloroethene	901	7.0	"	1000	ND	90	70-140	4	30	
Tetrachloroethene	836	7.0	"	1000	ND	84	70-140	2	25	
Trichloroethene	898	5.0	"	1000	ND	90	75-145	2	30	
Vinyl chloride	932	2.0	"	1000	ND	93	10-150	0.6	40	
Surrogate: Dibromofluoromethane	*2.44*		"	*2.50*		*98*	*70-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*65-135*			
Surrogate: Toluene-d8	*2.46*		"	*2.50*		*98*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.34*		"	*2.50*		*94*	*60-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0433
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/22/07 11:16

Notes and Definitions

MB	Analyte present in the method blank
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 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): STD TAT

On-site Time: 0500	Temp: 45
Off-site Time: 0730	Temp: 45
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: MQF0433

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Matrix: Carbon	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: 10 VOCs by TCLP, see comments	Turnaround Time: 24-hours	Turnaround Time: Standard	Sample Point Lat/Long and Comments
1	Carbon Sample	0530	6/12/07				x	01	1						x		x	10 VOCs to be analzed by TCLP method are: Vinyl chloride, 1,1-dicloroethene, chloroform, 1,2-dichloroethane, methyl ethyl ketone butanone, carbon tetrachloride, tricholoethene, benzene, tetrachloroethene, and chlorobenzene.
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 Environmental, Inc.	Stratus	6/13/07	1098	STL SCC	6/13/07	1045
Shipment Date: 6-13-07		6-13-07	1610		6/13	1610
Shipment Method: Stratus	Tesoro	6/13	2030	Tesoro	6/13/07	2030
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)

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco
REC. BY (PRINT) A.M.
WORKORDER: MQF0433

DATE REC'D AT LAB: 6/13/07
TIME REC'D AT LAB: 2030
DATE LOGGED IN: 6/14/07

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:	4.0°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

See COC A.M. 6/13/07

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

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15 June, 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: MQF0040

Enclosed are the results of analyses for samples received by the laboratory on 06/04/07 10:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEWINF	MQF0040-01	Water	06/04/07 06:45	06/04/07 10:40
02111ASWINF	MQF0040-02	Water	06/04/07 06:35	06/04/07 10:40
02111ASWEFF	MQF0040-03	Water	06/04/07 06:05	06/04/07 10:40
02111WGAC1	MQF0040-04	Water	06/04/07 06:00	06/04/07 10:40
02111WEFF	MQF0040-05	Water	06/04/07 05:55	06/04/07 10:40
02111MW2WINF	MQF0040-06	Water	06/04/07 06:40	06/04/07 10:40
TB21116407	MQF0040-07	Water	06/04/07 07:01	06/04/07 10:40

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

These samples were received with no custody seals.

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQF0040-01) Water	**Sampled: 06/04/07 06:45**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	**540**	500	ug/l	10	7F06004	06/05/07	06/06/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*60-135*		"	"	"	"	
02111ASWINF (MQF0040-02) Water	**Sampled: 06/04/07 06:35**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	**430**	100	ug/l	2	7F09004	06/09/07	06/09/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*60-135*		"	"	"	"	
02111ASWEFF (MQF0040-03) Water	**Sampled: 06/04/07 06:05**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*60-135*		"	"	"	"	
02111WGAC1 (MQF0040-04) Water	**Sampled: 06/04/07 06:00**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WEFF (MQF0040-05) Water Sampled: 06/04/07 05:55 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F04005	06/04/07	06/04/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*60-135*		"	"	"	"	
02111MW2WINF (MQF0040-06) Water Sampled: 06/04/07 06:40 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	**1300**	250	ug/l	5	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQF0040-01) Water	**Sampled: 06/04/07 06:45**		**Received: 06/04/07 10:40**						
tert-Amyl methyl ether	ND	5.0	ug/l	10	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**520**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**13**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**670**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**12**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*60-135*		"	"	"	"	
02111ASWINF (MQF0040-02) Water	**Sampled: 06/04/07 06:35**		**Received: 06/04/07 10:40**						
tert-Amyl methyl ether	ND	5.0	ug/l	10	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**340**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**8.5**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**560**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**6.7**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWEFF (MQF0040-03) Water Sampled: 06/04/07 06:05 Received: 06/04/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**290**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**17**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*60-135*		"	"	"	"	
02111WGAC1 (MQF0040-04) Water Sampled: 06/04/07 06:00 Received: 06/04/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F06004	06/05/07	06/06/07	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: Dibromofluoromethane		*98 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WEFF (MQF0040-05) Water Sampled: 06/04/07 05:55 Received: 06/04/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F04005	06/04/07	06/04/07	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		*95 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*60-135*		"	"	"	"	
02111MW2WINF (MQF0040-06) Water Sampled: 06/04/07 06:40 Received: 06/04/07 10:40									
tert-Amyl methyl ether	**5.2**	2.5	ug/l	5	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	**40**	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	**1100**	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	**38**	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**850**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	**18**	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

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 7F04005 - EPA 5030B P/T / LUFT GCMS										
Blank (7F04005-BLK1)				Prepared & Analyzed: 06/04/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-125*			
Surrogate: Dibromofluoromethane	*2.41*		"	*2.50*		*96*	*75-120*			
Surrogate: Toluene-d8	*2.35*		"	*2.50*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.27*		"	*2.50*		*91*	*60-135*			
Laboratory Control Sample (7F04005-BS2)				Prepared & Analyzed: 06/04/07						
Gasoline Range Organics (C4-C12)	417	50	ug/l	500		83	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*60-125*			
Surrogate: Dibromofluoromethane	*2.25*		"	*2.50*		*90*	*75-120*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.42*		"	*2.50*		*97*	*60-135*			
Laboratory Control Sample Dup (7F04005-BSD2)				Prepared & Analyzed: 06/04/07						
Gasoline Range Organics (C4-C12)	417	50	ug/l	500		83	65-120	0	20	
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*60-125*			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-120*			
Surrogate: Toluene-d8	*2.44*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*98*	*60-135*			
Batch 7F06004 - EPA 5030B P/T / LUFT GCMS										
Blank (7F06004-BLK1)				Prepared & Analyzed: 06/06/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-125*			
Surrogate: Dibromofluoromethane	*2.45*		"	*2.50*		*98*	*75-120*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.36*		"	*2.50*		*94*	*60-135*			

TestAmerica
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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

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 7F06004 - EPA 5030B P/T / LUFT GCMS										
Laboratory Control Sample (7F06004-BS2)				Prepared & Analyzed: 06/06/07						
Gasoline Range Organics (C4-C12)	447	50	ug/l	500		89	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-125*			
Surrogate: Dibromofluoromethane	*2.24*		"	*2.50*		*90*	*75-120*			
Surrogate: Toluene-d8	*2.47*		"	*2.50*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.55*		"	*2.50*		*102*	*60-135*			
Laboratory Control Sample Dup (7F06004-BSD2)				Prepared & Analyzed: 06/06/07						
Gasoline Range Organics (C4-C12)	436	50	ug/l	500		87	65-120	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.53*		"	*2.50*		*101*	*60-125*			
Surrogate: Dibromofluoromethane	*2.58*		"	*2.50*		*103*	*75-120*			
Surrogate: Toluene-d8	*2.47*		"	*2.50*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*60-135*			
Batch 7F09004 - EPA 5030B P/T / LUFT GCMS										
Blank (7F09004-BLK1)				Prepared & Analyzed: 06/09/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-125*			
Surrogate: Dibromofluoromethane	*2.32*		"	*2.50*		*93*	*75-120*			
Surrogate: Toluene-d8	*2.25*		"	*2.50*		*90*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*1.99*		"	*2.50*		*80*	*60-135*			
Laboratory Control Sample (7F09004-BS2)				Prepared & Analyzed: 06/09/07						
Gasoline Range Organics (C4-C12)	442	50	ug/l	500		88	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.40*		"	*2.50*		*96*	*60-125*			
Surrogate: Dibromofluoromethane	*2.38*		"	*2.50*		*95*	*75-120*			
Surrogate: Toluene-d8	*2.49*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.40*		"	*2.50*		*96*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

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 7F09004 - EPA 5030B P/T / LUFT GCMS										
Laboratory Control Sample Dup (7F09004-BSD2)				Prepared & Analyzed: 06/09/07						
Gasoline Range Organics (C4-C12)	433	50	ug/l	500		87	65-120	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*60-125*			
Surrogate: Dibromofluoromethane	*2.33*		"	*2.50*		*93*	*75-120*			
Surrogate: Toluene-d8	*2.44*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*98*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

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 7F04005 - EPA 5030B P/T / EPA 8260B										
Blank (7F04005-BLK1)				Prepared & Analyzed: 06/04/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.41*		"	*2.50*		*96*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-125*			
Surrogate: Toluene-d8	*2.35*		"	*2.50*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.27*		"	*2.50*		*91*	*60-135*			
Laboratory Control Sample (7F04005-BS1)				Prepared & Analyzed: 06/04/07						
tert-Amyl methyl ether	9.61	0.50	ug/l	10.0		96	65-135			
Benzene	9.71	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	199	20	"	200		100	60-135			
Di-isopropyl ether	9.55	0.50	"	10.0		96	70-130			
Ethyl tert-butyl ether	9.33	0.50	"	10.0		93	65-130			
Ethylbenzene	10.2	0.50	"	10.0		102	75-120			
Methyl tert-butyl ether	9.58	0.50	"	10.0		96	50-140			
Toluene	9.74	0.50	"	10.0		97	75-120			
Xylenes (total)	30.9	0.50	"	30.0		103	75-120			
Surrogate: Dibromofluoromethane	*2.38*		"	*2.50*		*95*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-125*			
Surrogate: Toluene-d8	*2.48*		"	*2.50*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.45*		"	*2.50*		*98*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

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 7F04005 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7F04005-MS1)	**Source: MQE1034-06**			Prepared & Analyzed: 06/04/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	65-135			
Benzene	9.53	0.50	"	10.0	ND	95	75-120			
tert-Butyl alcohol	204	20	"	200	ND	102	60-135			
Di-isopropyl ether	9.98	0.50	"	10.0	ND	100	70-130			
Ethyl tert-butyl ether	9.76	0.50	"	10.0	ND	98	65-130			
Ethylbenzene	9.80	0.50	"	10.0	ND	98	75-120			
Methyl tert-butyl ether	9.93	0.50	"	10.0	ND	99	50-140			
Toluene	9.61	0.50	"	10.0	ND	96	75-120			
Xylenes (total)	30.3	0.50	"	30.0	ND	101	75-120			
Surrogate: Dibromofluoromethane	*2.46*		"	*2.50*		*98*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-125*			
Surrogate: Toluene-d8	*2.38*		"	*2.50*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.49*		"	*2.50*		*100*	*60-135*			
Matrix Spike Dup (7F04005-MSD1)	**Source: MQE1034-06**			Prepared & Analyzed: 06/04/07						
tert-Amyl methyl ether	9.79	0.50	ug/l	10.0	ND	98	65-135	3	25	
Benzene	9.62	0.50	"	10.0	ND	96	75-120	0.9	20	
tert-Butyl alcohol	200	20	"	200	ND	100	60-135	2	25	
Di-isopropyl ether	9.69	0.50	"	10.0	ND	97	70-130	3	25	
Ethyl tert-butyl ether	9.78	0.50	"	10.0	ND	98	65-130	0.2	25	
Ethylbenzene	9.74	0.50	"	10.0	ND	97	75-120	0.6	20	
Methyl tert-butyl ether	9.62	0.50	"	10.0	ND	96	50-140	3	25	
Toluene	9.64	0.50	"	10.0	ND	96	75-120	0.3	25	
Xylenes (total)	30.1	0.50	"	30.0	ND	100	75-120	0.7	20	
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		"	*2.50*		*92*	*60-125*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.43*		"	*2.50*		*97*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

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 7F06004 - EPA 5030B P/T / EPA 8260B										
Blank (7F06004-BLK1)				Prepared & Analyzed: 06/06/07						
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: Dibromofluoromethane	*2.45*		"	*2.50*		*98*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-125*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.36*		"	*2.50*		*94*	*60-135*			
Laboratory Control Sample (7F06004-BS1)				Prepared & Analyzed: 06/06/07						
tert-Amyl methyl ether	11.1	0.50	ug/l	10.0		111	65-135			
Benzene	10.8	0.50	"	10.0		108	75-120			
tert-Butyl alcohol	201	20	"	200		100	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0		111	70-130			
Ethyl tert-butyl ether	11.0	0.50	"	10.0		110	65-130			
Ethylbenzene	11.4	0.50	"	10.0		114	75-120			
Methyl tert-butyl ether	11.4	0.50	"	10.0		114	50-140			
Toluene	11.0	0.50	"	10.0		110	75-120			
Xylenes (total)	34.7	0.50	"	30.0		116	75-120			
Surrogate: Dibromofluoromethane	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-125*			
Surrogate: Toluene-d8	*2.34*		"	*2.50*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

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 7F06004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7F06004-MS1)	**Source: MQF0040-03**			Prepared & Analyzed: 06/06/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	65-135			
Benzene	9.78	0.50	"	10.0	ND	98	75-120			
tert-Butyl alcohol	497	20	"	200	290	104	60-135			
Di-isopropyl ether	10.0	0.50	"	10.0	ND	100	70-130			
Ethyl tert-butyl ether	9.87	0.50	"	10.0	ND	99	65-130			
Ethylbenzene	10.3	0.50	"	10.0	ND	103	75-120			
Methyl tert-butyl ether	26.4	0.50	"	10.0	17	94	50-140			
Toluene	9.98	0.50	"	10.0	ND	100	75-120			
Xylenes (total)	31.3	0.50	"	30.0	ND	104	75-120			
Surrogate: Dibromofluoromethane	*2.54*		"	*2.50*		*102*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-125*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.38*		"	*2.50*		*95*	*60-135*			
Matrix Spike Dup (7F06004-MSD1)	**Source: MQF0040-03**			Prepared & Analyzed: 06/06/07						
tert-Amyl methyl ether	11.1	0.50	ug/l	10.0	ND	111	65-135	9	25	
Benzene	9.96	0.50	"	10.0	ND	100	75-120	2	20	
tert-Butyl alcohol	499	20	"	200	290	104	60-135	0.4	25	
Di-isopropyl ether	10.4	0.50	"	10.0	ND	104	70-130	4	25	
Ethyl tert-butyl ether	10.2	0.50	"	10.0	ND	102	65-130	3	25	
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-120	1	20	
Methyl tert-butyl ether	27.2	0.50	"	10.0	17	102	50-140	3	25	
Toluene	10.1	0.50	"	10.0	ND	101	75-120	1	25	
Xylenes (total)	32.0	0.50	"	30.0	ND	107	75-120	2	20	
Surrogate: Dibromofluoromethane	*2.55*		"	*2.50*		*102*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*60-125*			
Surrogate: Toluene-d8	*2.44*		"	*2.50*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.51*		"	*2.50*		*100*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0040
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:15

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

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Chain of Custody Record

RUSH

Page 1 of 1

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: 45
Off-site Time: 0	Temp: 47
Sky Conditions: Clouds	
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	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506/925-275-3815	
Lab Bottle Order No:	

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.: G0C28-0023	
Provision or OOC (circle one) Provision	
Phase/WBS: 03-O&M	
Sub Phase/Task: 03-Analytical	
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 I with EDF	
E-mail EDD To: shayes@stratusinc.net	
Invoice to: Atlantic Richfield Co.	

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO 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
	02111 DPEW INF						MQF0040												
1	02111DPEWINF	0645	6/5/07		x		01	6				X		x	x	x		x	
2	02111ASWINF	0630			x		02	6				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
3	02111ASWEFF	0600			x		03	6				X		x	x	x		x	
4	02111WGAC1	0600			x		04	6				X		x	x	x		x	
5	02111WEFF	0555			x		05	6				X		x	x	x		x	
6	02111MW2WINF	0640			x		06	6				X		x	x	x	x		
7														x	x	x		x	
8																			
9	TB2111 6407	0701	6/5/07		X		07	2											
10																			Hold

Sampler's Name: Chris Hill	
Sampler's Company: Stratus Environmental, Inc.	
Shipment Date: 6-4-07	
Shipment Method: Stratus	
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	6/4/07	1045	TAMH	6/4/07	1045

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

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 15 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: STRATUS
REC. BY (PRINT): PH
WORKORDER: MQF0040

DATE REC'D AT LAB: 6/4/07
TIME REC'D AT LAB: 1040
DATE LOGGED IN: 6/4/07

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: 17 °C Corrected Temp: 15 °C Is corrected temp 4 +/-2°C? Yes / (No**) (Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / (OFF ON ICE) or Problem COC								

Set COC
6/4/07

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

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15 June, 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: MQF0047

Enclosed are the results of analyses for samples received by the laboratory on 06/04/07 10:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0047
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQF0047-01	Vapor	06/04/07 06:33	06/04/07 10:40
02111ASAEFF	MQF0047-02	Vapor	06/04/07 06:31	06/04/07 10:40
02111ASYSINF	MQF0047-03	Vapor	06/04/07 06:29	06/04/07 10:40
02111AGAC1	MQF0047-04	Vapor	06/04/07 06:26	06/04/07 10:40
02111AEFF	MQF0047-05	Vapor	06/04/07 06:24	06/04/07 10:40

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

These samples were received with no custody seals.

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQF0047-01) Vapor	**Sampled: 06/04/07 06:33**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	**1000**	50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 16:25	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**300**	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
02111ASAEFF (MQF0047-02) Vapor	**Sampled: 06/04/07 06:31**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 16:56	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
02111ASYSINF (MQF0047-03) Vapor	**Sampled: 06/04/07 06:29**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	**330**	50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 17:27	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**95**	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-125*		"	"	"	"	
02111AGAC1 (MQF0047-04) Vapor	**Sampled: 06/04/07 06:26**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 17:59	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	
02111AEFF (MQF0047-05) Vapor	**Sampled: 06/04/07 06:24**		**Received: 06/04/07 10:40**						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 11:43	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*60-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0047
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQF0047-01) Vapor Sampled: 06/04/07 06:33 Received: 06/04/07 10:40									
Methyl tert-butyl ether	31	0.50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 16:25	EPA 8260B	
Benzene	1.4	0.50	"	"	"	"	"	"	
Toluene	0.84	0.50	"	"	"	"	"	"	
Ethylbenzene	5.2	0.50	"	"	"	"	"	"	
Xylenes (total)	5.3	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	8.7	0.14	ppmv	"	"	"	"	"	
Benzene	0.45	0.16	"	"	"	"	"	"	
Toluene	0.22	0.13	"	"	"	"	"	"	
Ethylbenzene	1.2	0.12	"	"	"	"	"	"	
Xylenes (total)	1.2	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-125*		"	"	"	"	
02111ASAEFF (MQF0047-02) Vapor Sampled: 06/04/07 06:31 Received: 06/04/07 10:40									
Methyl tert-butyl ether	3.7	0.50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 16:56	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	0.67	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	1.3	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	1.0	0.14	ppmv	"	"	"	"	"	
Benzene	ND	0.16	"	"	"	"	"	"	
Toluene	0.18	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	0.30	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASYSINF (MQF0047-03) Vapor	**Sampled: 06/04/07 06:29**		**Received: 06/04/07 10:40**						
Methyl tert-butyl ether	**14**	0.50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 17:27	EPA 8260B	
Benzene	**0.56**	0.50	"	"	"	"	"	"	
Toluene	**0.89**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.8**	0.50	"	"	"	"	"	"	
Xylenes (total)	**2.6**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	**4.0**	0.14	ppmv	"	"	"	"	"	
Benzene	**0.18**	0.16	"	"	"	"	"	"	
Toluene	**0.24**	0.13	"	"	"	"	"	"	
Ethylbenzene	**0.40**	0.12	"	"	"	"	"	"	
Xylenes (total)	**0.60**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-125*		"	"	"	"	
02111AGAC1 (MQF0047-04) Vapor	**Sampled: 06/04/07 06:26**		**Received: 06/04/07 10:40**						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 17:59	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.1**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	ND	0.14	ppmv	"	"	"	"	"	
Benzene	ND	0.16	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	**0.24**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0047
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AEFF (MQF0047-05) Vapor Sampled: 06/04/07 06:24 Received: 06/04/07 10:40									
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7F05008	06/05/07	06/05/07 11:43	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*60-125*		"	"	"	"	
Methyl tert-butyl ether	ND	0.14	ppmv	"	"	"	"	"	
Benzene	ND	0.16	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*60-125*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

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 7F05008 - EPA 5030B P/T / LUFT GCMS										
Blank (7F05008-BLK1)				Prepared & Analyzed: 06/05/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	14	ppmv							
Surrogate: 1,2-Dichloroethane-d4	*0.587*		*"*	*0.594*		*99*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		*mg/m³ Air*	*2.50*		*99*	*60-125*			
Laboratory Control Sample (7F05008-BS2)				Prepared & Analyzed: 06/05/07						
Gasoline Range Organics (C4-C12)	126	14	ppmv	142		89	65-120			
Gasoline Range Organics (C4-C12)	443	50	mg/m³ Air	500		89	65-120			
Surrogate: 1,2-Dichloroethane-d4	*0.606*		*ppmv*	*0.594*		*102*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		*mg/m³ Air*	*2.50*		*102*	*60-125*			
Laboratory Control Sample Dup (7F05008-BSD2)				Prepared & Analyzed: 06/05/07						
Gasoline Range Organics (C4-C12)	420	50	mg/m³ Air	500		84	65-120	5	20	
Gasoline Range Organics (C4-C12)	119	14	ppmv	142		84	65-120	6	20	
Surrogate: 1,2-Dichloroethane-d4	*0.584*		*"*	*0.594*		*98*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		*mg/m³ Air*	*2.50*		*98*	*60-125*			
Duplicate (7F05008-DUP1)	**Source: MQF0047-05**			Prepared & Analyzed: 06/05/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air		ND				200	
Gasoline Range Organics (C4-C12)	ND	14	ppmv		ND				200	
Surrogate: 1,2-Dichloroethane-d4	*0.610*		*"*	*0.594*		*103*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.57*		*mg/m³ Air*	*2.50*		*103*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0047
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

Purgeable Hydrocarbons and 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 7F05008 - EPA 5030B P/T / EPA 8260B										
Blank (7F05008-BLK1)				Prepared & Analyzed: 06/05/07						
Methyl tert-butyl ether	ND	0.14	ppmv							
Methyl tert-butyl ether	ND	0.50	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	0.50	mg/m³ Air							
Xylenes (total)	ND	0.12	ppmv							
Surrogate: 1,2-Dichloroethane-d4	*0.587*		"	*0.594*		*99*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		*mg/m³ Air*	*2.50*		*99*	*60-125*			
Laboratory Control Sample (7F05008-BS1)				Prepared & Analyzed: 06/05/07						
Methyl tert-butyl ether	2.73	0.14	ppmv	2.78		98	50-140			
Methyl tert-butyl ether	9.82	0.50	mg/m³ Air	10.0		98	50-140			
Benzene	9.86	0.50	"	10.0		99	75-120			
Benzene	3.09	0.16	ppmv	3.14		98	75-120			
Toluene	9.94	0.50	mg/m³ Air	10.0		99	75-120			
Toluene	2.64	0.13	ppmv	2.66		99	75-120			
Ethylbenzene	10.6	0.50	mg/m³ Air	10.0		106	75-120			
Ethylbenzene	2.44	0.12	ppmv	2.31		106	75-120			
Xylenes (total)	31.7	0.50	mg/m³ Air	30.0		106	75-120			
Xylenes (total)	7.31	0.12	ppmv	6.92		106	75-120			
Surrogate: 1,2-Dichloroethane-d4	*2.35*		*mg/m³ Air*	*2.50*		*94*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.558*		*ppmv*	*0.594*		*94*	*60-125*			
Duplicate (7F05008-DUP1)	**Source: MQF0047-05**			Prepared & Analyzed: 06/05/07						
Methyl tert-butyl ether	ND	0.14	ppmv		ND				200	
Methyl tert-butyl ether	ND	0.50	mg/m³ Air		ND				200	
Benzene	ND	0.50	"		ND				200	
Benzene	ND	0.16	ppmv		ND				200	
Toluene	ND	0.50	mg/m³ Air		ND				200	
Toluene	ND	0.13	ppmv		ND				200	
Ethylbenzene	ND	0.50	mg/m³ Air		ND				200	
Ethylbenzene	ND	0.12	ppmv		ND				200	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0047
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

Purgeable Hydrocarbons and 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 7F05008 - EPA 5030B P/T / EPA 8260B										
Duplicate (7F05008-DUP1)	**Source: MQF0047-05**			Prepared & Analyzed: 06/05/07						
Xylenes (total)	ND	0.50	mg/m³ Air		ND				200	
Xylenes (total)	ND	0.12	ppmv		ND				200	
Surrogate: 1,2-Dichloroethane-d4	*2.57*		*mg/m³ Air*	*2.50*		*103*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.610*		*ppmv*	*0.594*		*103*	*60-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQF0047
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	06/15/07 13:25

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

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: 45
Off-site Time: 0730	Temp: 47
Sky Conditions: Cloudy	
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
							MQF0047												
✓✓	1	02111DPEAINF	0633	6/4			x	01	2						x	x	x		x				
✓✓	2	02111ASAEFF	0631				x	02	2						x	x	x		x				
✓✓	3	02111ASYSINF	0629				x	03	2						x	x	x		x				
✓✓	4	02111AGAC1	0626				x	04	2						x	x	x		x				
✓✓	5	02111AEFF	0624				x	05	2						x	x	x			x			
	6																						
	7																						
	8																						
	9																						
	10																						

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Chris Hill						
Sampler's Company: Stratus Environmental, Inc.		6/4/07	1700	TRMH	6/4/07	1040
Shipment Date: 6/4/07						
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: — °F/C | Trip Blank: Yes (No) | MS/MSD Sample Submitted: Yes (No)

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: STRATUS
REC. BY (PRINT): PH
WORKORDER: MRF0047

DATE REC'D AT LAB: 6/4/07
TIME REC'D AT LAB: 1040
DATE LOGGED IN: 6/4/07

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: — 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)

COPY

RECEIVED
JUN 06 2007
BY:

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

May 30, 2007
Project No. E2111-03

Ms. Tiffany Treece
City of San Leandro
Environmental Services Division
835 E. 14th Street
San Leandro, California 94577

Re: Special Discharge Permit No. SD-036
Permit Renewal Application
ARCO Service Station No. 2111
1156 Davis Street
San Leandro, California.

Dear Ms. Treece:

Stratus Environmental, Inc. (Stratus), on behalf of Atlantic Richfield Company (ARCO-a BP affiliated company) has prepared this letter to request renewal of the '*Special Discharge Permit*' (Permit No. SD-036) for the groundwater extraction and treatment system (GETS) operated at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California (see Figure 1). A completed application for renewal of the special discharge permit is included in Appendix A.

A dual phase extraction (DPE) system in conjunction with an air stripper (AS), and a GETS was constructed and installed at the site by previous consultants (URS Corporation Americas) to mitigate the subsurface petroleum hydrocarbon impact. The start-up operations of the DPE, AS, and GETS, were initiated by Stratus on January 29, 2007, and the remediation systems have been operating on a continuous basis (24 hours a day) since then.

Petroleum hydrocarbon laden soil vapors and groundwater are extracted from wells V-1, V-2, V-3, MW-1, MW-3, and MW-7 (see Figure 2) using the 20-horsepower (hp) liquid ring pump on the DPE system. Soil vapors are separated from groundwater in the knockout tank of the DPE system, which are then routed through two 2,000-pound vapor phase carbon vessels, in series, prior to discharge to the atmosphere. Groundwater in the knockout tank is transferred into an oil-water separator/holding tank pending treatment using the AS and the aqueous phase carbon vessels. Groundwater is also extracted from well MW-2 using a ¾-hp electric submersible

pump and stored in the oil-water separator/holding tank pending treatment using the AS and the aqueous phase carbon vessels. The groundwater from the oil-water separator/holding tank is routed through an AS that incorporates a series of stripper trays where the petroleum hydrocarbons are volatilized by ambient air. Ambient air is drawn into the AS using a 7.5-hp blower that applies vacuum on the positive side of the AS. Volatilized petroleum hydrocarbons from the AS are routed through two 2,000-pound vapor phase carbon vessels prior to discharge to the atmosphere. Two 2,000-pound aqueous phase carbon vessels are used to remove residual petroleum hydrocarbons post AS, prior to discharge to the sanitary sewer. A process flow illustration for soil vapor and groundwater extraction and treatment is presented in Figure 3.

Between January 2007 and April 2007, the monthly volumes of groundwater extracted, treated, and discharged to the sanitary sewer were in the range of 5,560 gallons to 114,230 gallons. Since system start-up in January 2007, a total of approximately 201,548 gallons of groundwater has been extracted, treated, and discharged to the sanitary sewer. During this period, influent, mid-fluent (between carbon vessels), and effluent water samples were collected on a monthly basis and forwarded to a state-certified laboratory for chemical analysis. Petroleum hydrocarbons were not reported in any of the effluent water samples collected between January and April 2007. The influent gasoline range organics (GRO), benzene, and methyl tertiary butyl ether (MTBE) concentrations in these monthly samples were in the ranges of 1,000 to 2,000 micrograms per liter (µg/L), 7.1 to 35 µg/L, and 1,200 to 1,600 µg/L, respectively.

Stratus intends to continue the operation of the remediation systems to further reduce/mitigate the subsurface petroleum hydrocarbon impact at the site. Therefore, Stratus requests that the City of San Leandro renew the existing sewer discharge permit.

If you have any questions regarding this discharge permit renewal application, please call Kiran Nagaraju at (530) 676-6007.

Sincerely

STRATUS ENVIRONMENTAL, INC.

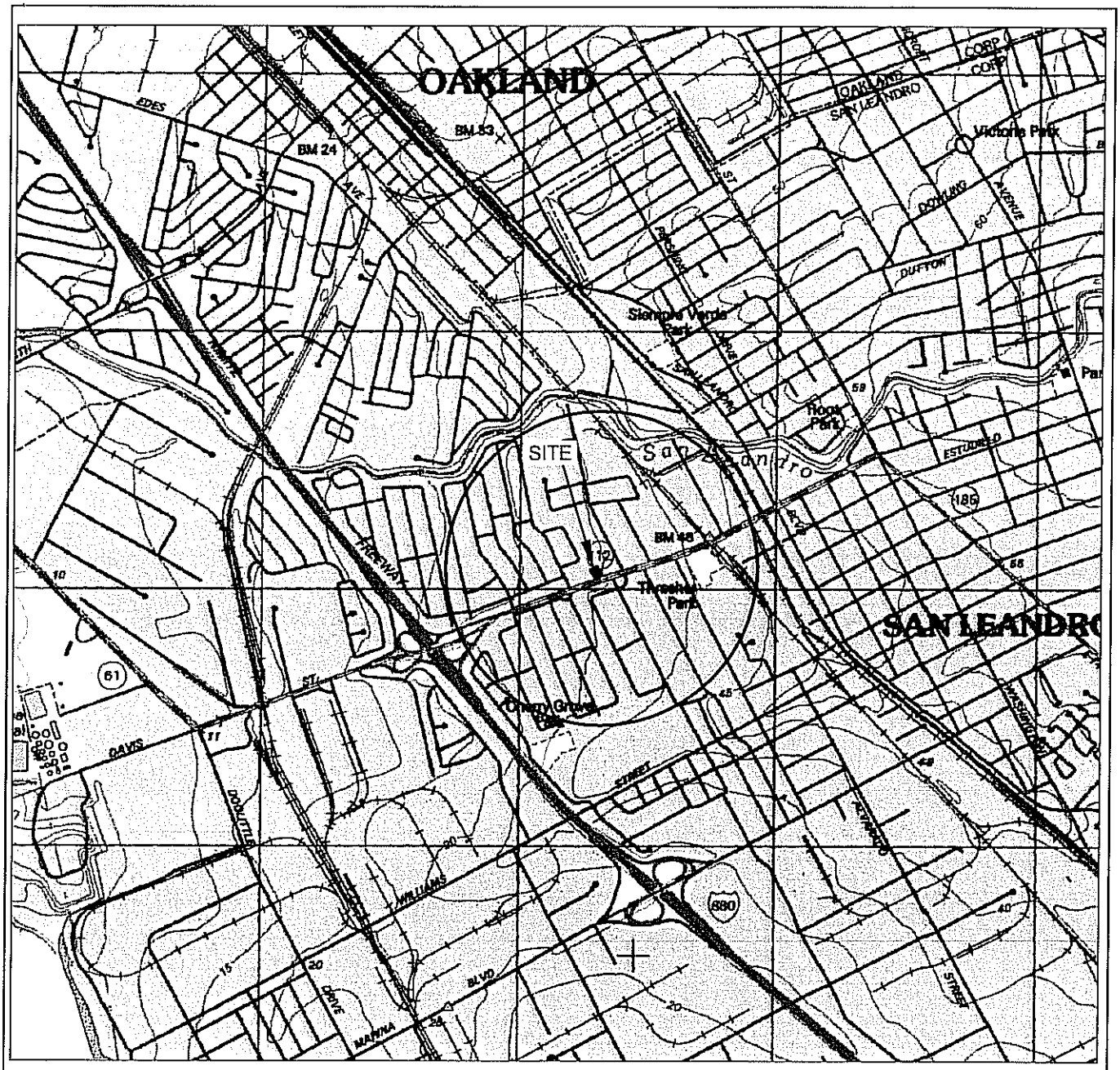
Kiran Nagaraju
Staff Engineer

Jay R. Johnson, P.G.
Project Manager

Attachments

Figure 1	Site Location Map
Figure 2	Site plan
Figure 3	Process Flow Diagram
Appendix A	Special Discharge Permit Application

cc: Mr. Paul Supple, Atlantic Richfield Company
Mr. Rob Miller, Broadbent and Associates, Inc.



GENERAL NOTES:
BASE MAP FROM U.S.G.S., 7.5 MINUTE TOPOGRAPHIC
SAN LEANDRO, CA. PHOTO REVISED 1980

QUADRANGLE LOCATION

N

0 2000 FT

SCALE 1:24,000

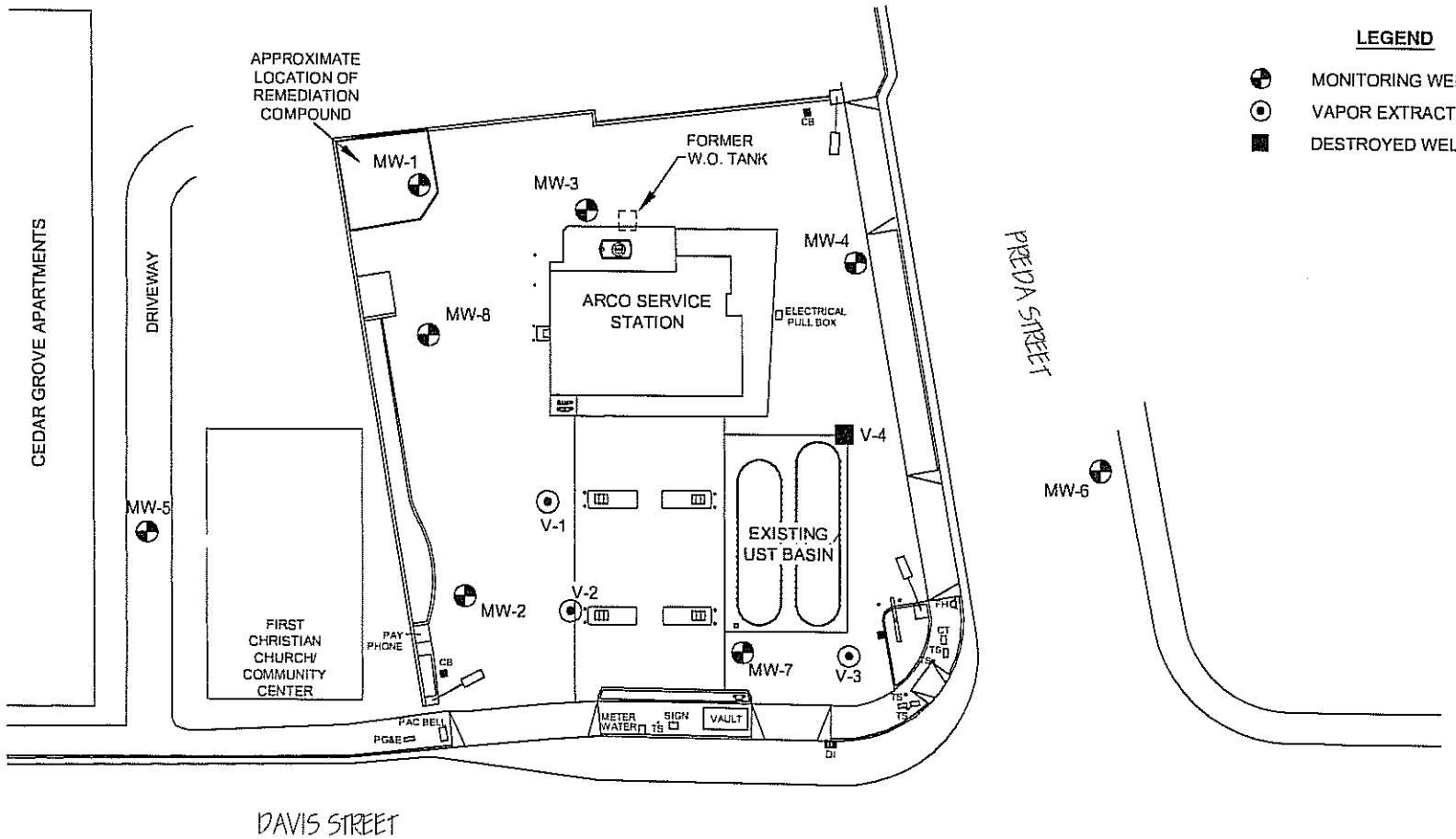
STRATUS
ENVIRONMENTAL, INC.

ARCO SERVICE STATION NO. 2111
1156 DAVIS STREET
SAN LEANDRO, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
PROJECT NO.
U2111

ARCO2111 JMP May 23, 2007 ARCO 2111 Site Location Map.dwg



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

STRATUS ENVIRONMENTAL, INC.

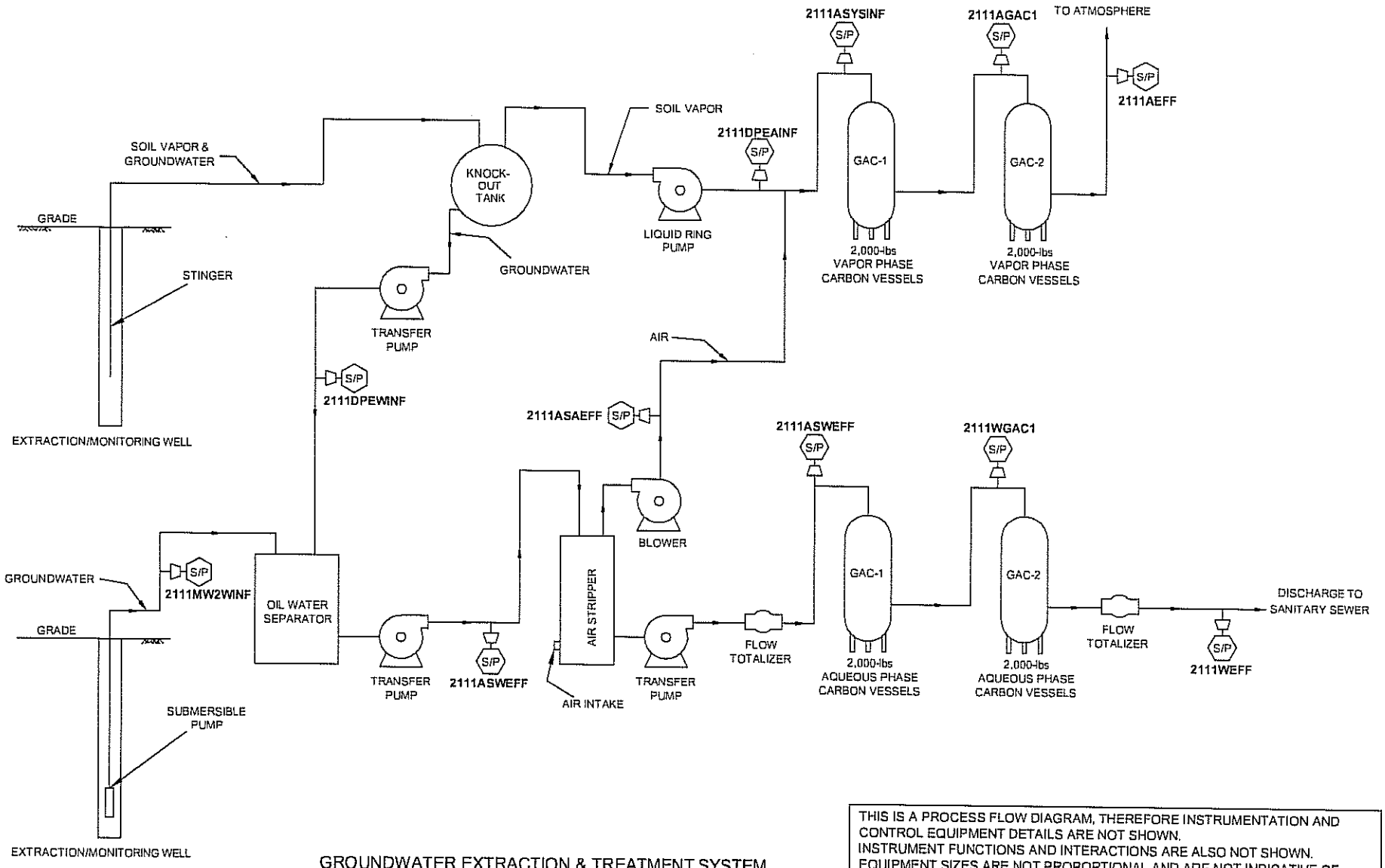
0 40 FT
SCALE

ARCO SERVICE STATION NO. 2111
1156 DAVIS STREET
SAN LEANDRO, CALIFORNIA

SITE PLAN

FIGURE
2
PROJECT NO.
U2111

BP 2111 Sfacklan.dwg May 23, 2007 REV JMP ARCO2111



GROUNDWATER EXTRACTION & TREATMENT SYSTEM

NOT TO SCALE

THIS IS A PROCESS FLOW DIAGRAM, THEREFORE INSTRUMENTATION AND CONTROL EQUIPMENT DETAILS ARE NOT SHOWN.
INSTRUMENT FUNCTIONS AND INTERACTIONS ARE ALSO NOT SHOWN.
EQUIPMENT SIZES ARE NOT PROPORTIONAL AND ARE NOT INDICATIVE OF FINAL SIZES.

STRATUS
ENVIRONMENTAL, INC.

ARCO SERVICE STATION NO. 2111
1156 DAVIS STREET
SAN LEANDRO, CALIFORNIA

PROCESS FLOW DIAGRAM

FIGURE
3

PROJECT NO.
U2111

APPENDIX A

SPECIAL DISCHARGE PERMIT APPLICATION

CITY OF SAN LEANDRO
ENVIRONMENTAL SERVICES DIVISION
835 E14th St, San Leandro CA 94577
(510) 577-3401 FAX (510) 577-6019
SPECIAL DISCHARGE PERMIT APPLICATION

Please return completed application by: 06/08/2007

I. GENERAL INFORMATION

1. Applicant Name: Atlantic Richfield Company (ARCO- a BP Affiliated Company)

   Address: c/o Stratus Environmental Inc., 3330 Cameron Park Drive, #550, Cameron Park Zip 95682

   Telephone Number: 530-676-6004

   Name of Responsible Official: Jay R. Johnson, P.G.

   Title: Project Manager Telephone No.: 530-676-6000

If applicant is different from the facility located at the wastewater generation site, complete the following:

2. Facility Name: ARCO Service Station No. 2111 (Groundwater Treatment System Permit No. SD036)

   Address: 1156 Davis Street, San Leandro, CA Zip: 94577

   Telephone Number:_____

   Address of Discharge: 1156 Davis Street, San Leandro, CA

   Individual responsible for wastewater disposal: Stratus Environmental Inc.

   Title: Jay R. Johnson, Project Manager Telephone No.: 530-676-6000

3. Emergency contact: Kiran Nagaraju
   Title: Staff Engineer Telephone No: 530-676-6007

II. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ 5-30-07
Signature of Responsible Official Date

Jay R. Johnson, P.G. Project Manager
Print Name of Responsible Official Title of Responsible Official

III. CONTAMINATED WATER INFORMATION

1. Describe the source of contaminated water: Gasoline Service Station Operations

2. Describe wastewater volume determination method: Pilot Test and Historical System Performance Summary

3. (a) Type of discharge: ☐ Batch ☒ Continuous

   (b) Estimated duration of discharge: 1-5 years

   (c) Total volume of discharge (gallons): 15,768,000 (1 year) – 78,840,000 (5 years)

   (d) If batch discharge: Average number per month N/A per day N/A

   Average volume per batch (gallons) N/A Days and times of discharge N/A

   (e) If continuous discharge: Average gallons per day 36,200 @ 25 gpm (maximum)

   (f) Describe proposed pretreatment: Dual Phase Extraction (Oil/Water separator, Liquid Ring Pump, Air Stripper, Liquid Phase Granular Activated Carbon)

IV. Identification of Potentially Interfering Pollutants: (check where applicable)

Pollutant category	Known or suspected present	Discharged to Sanitary
Pollutants that may cause a fire or explosion hazard.	SPH*	ND
Corrosive materials. Wastes with a pH less than 6.0 or greater than 12.5.	N/A	N/A
Solid or viscous pollutants.	SPH	ND
Any known pollutant such as BOD, COD, suspended solids, oil & grease, etc., released in high volume or high strength.	Petroleum Hydrocarbon	ND
Wastes with a temperature in excess of 140°F.	N/A	N/A
Waters or wastes with total dissolved solids > 1,000 mg/L.	N/A	N/A
Radioactive Materials	N/A	N/A

* SPH= Separate Phase Hydrocarbons

V. FACILITY DESCRIPTION

1. Please attach a site plan showing the location of:

   (a) Source(s) of groundwater contamination (if applicable).

   (b) Location of monitoring wells and/or sample points. Identify wells or sample points by number. Include and identify all existing and proposed wells.

   (c) Proposed connection for discharge to the sanitary sewer.

   (d) Location of any holding tank(s).

   (e) Location of pretreatment equipment.

   (f) Location of underground storage tanks (including tanks that have been previously removed).

2. If applicable, provide information for the removal of each underground storage tank (including tanks that have been previously removed/closed and those scheduled for removal/closure).

Tank Name	Date of removal	Volume	Material stored
WO-1	8/94	280	Waste Oil
UST-1, 2,3	10/00	12,000(3)	Gasoline (3 USTs)

VI. MISCELLANEOUS

1. Will hazardous wastes be generated? ☐ yes ☒ no

If yes, please provide the following information:

a. Generator's EPA ID Number:_____

b. California State Generator's ID:_____

c. Transporter 1:

Company Name:_____ Phone:_____

US EPA ID Number:_____ State Transporter's ID:_____

d. Transporter 2:

Company Name:_____ Phone:_____

US EPA ID Number:_____ State Transporter's ID:_____

TYPE OF WASTE GENERATED (HAZARD CLASS)	QUANTITY
1.	
2.	
3.	
4.	
5.	

2. Has your facility developed a plan to prevent and control spills? ☒ yes ☐ no

If yes, describe The spill contingency plan is included in the site-specific health and safety plan and system O&M Manual. In an event of treatment system failure resulting in flooding in the secondary containment, a level switch in the secondary containment berm is programmed to shutdown the entire treatment system.

3. Have you contacted any other regulatory agencies regarding proposed cleanup operation? x Yes ☐ No

If yes, provide:

Name of Agency	Alameda County of Environmental Health (ACEH)	Bay Area Air Quality Management District (BAAQMD)	
Contact Name	Steve Plunkett	Robert Cave	
Title	Environmental Health Specialist	Air Quality Engineer	
Telephone No.	510-567-6700	415-749-5048	

APPLICANT FOR PERMIT MUST READ THIS MATERIAL

In consideration of granting this permit, applicant agrees:

A. To furnish any additional information on wastewater discharges as required by the City of San Leandro.

B. To abide by all provisions of the Uniform Wastewater Discharge Regulations, abide by all rules and regulations of the Federal Register pertaining to the Clean Water Act and any special conditions as required by the Environmental Services Division.

C. To operate and maintain any required wastewater pretreatment equipment satisfactorily in the approved manner.

D. To cooperate at all times with reasonable requests by City personnel in the inspection, sampling, and monitoring of industrial waste discharges.

E. To notify the San Leandro Water Pollution Control Plant at (510)577-3434 (weekdays) or (510)577-3459 (weekends/after hours) immediately in the event of an accident or other occurrence that results in the discharge to the sewer of any material that by nature or quantity constitutes a hazard to the Publicly Owned Treatment Works or City personnel or the environment.

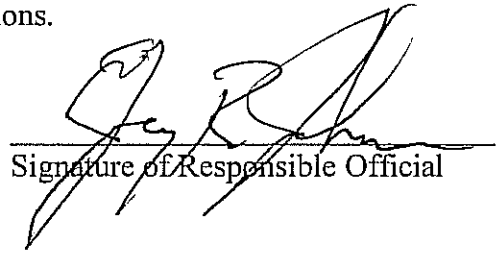
F. To pay the City of San Leandro the required permit fee, deposits, wastewater treatment costs and laboratory costs incurred by the City.

G. To submit, as required by the City, accurate data on industrial wastewater flows and constituents.

H. To apply for a revised Special Discharge Permit if any change in processes or operations creates a significant change in wastewater quality or quantity.

Notice: Any discharge of contaminated water, regardless of pretreatment, without securing a special discharge permit may result in forfeiture of all fees and deposits and may result in civil and criminal penalties.

I affirm that all information is true and correct and that applicant will comply with the above conditions.



Signature of Responsible Official

5-30-07
Date

Jay R. Johnson
Print Name of Responsible Official

Project Manager
Title of Responsible Official

CITY OF SAN LEANDRO
ENVIRONMENTAL SERVICES DIVISION

RESPONSIBLE PERSONNEL AUTHORIZATION FORM

COMPANY NAME: ATLANTIC RICHFIELD COMPANY (ARCO – a BP affiliated Company)

ADDRESS: 2010 Crows Landing Road, San Ramon, California

The above company is: (Check one)

☒ Corporation ☐ Partnership ☐ Sole Proprietorship

1. If the company is a corporation, identify the following corporate officers:

President:_____ Vice President:_____

Secretary:_____ Treasurer:_____

Other (specify name and title): Paul Supple, Environmental Business Manager

2. If the company is a partnership, identify the general partners:_____

_____

3. If the company is a sole proprietorship, identify the proprietor:_____

All reports, permit applications, permits or agreements shall be signed as follows: By a responsible corporate officer, if User is a corporation. By a general partner or proprietor if User is a partnership or sole proprietorship, respectively. By a duly authorized representative of the designated individual above, provided the authorization is submitted in writing to the City."

Jay Johnson, Project Manager is an authorized representative
Name and/or Title*

of Paul Supple, Environmental Business Manager in charge of assuring compliance with terms stated in
Designated Individual[1]

our Special Discharge Permit and/or the Uniform Wastewater Discharge Regulations.

Signature

Environmental Business Manager
Title

Paul Supple
Print Name[1]

1/18/07
Date

[1] Must be one of the designated individuals identified in 1, 2, or 3 above.

The documents listed above, which also include responses to Notices of Violation and Compliance Schedule submissions, must be signed by a corporate officer or the named* individual or position title above. Submission of a new Responsible Personnel Authorization form is required in the event of any change in the signatory designation for the permitted entity.

STRATUS ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date May 3, 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 April 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for April 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. A total of approximately 66,881 gallons of treated groundwater were discharged to the sanitary sewer between March 29, 2007 and April 26, 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: March 29, 2007 to April 26, 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: 28

Total monthly discharge: 66,881 U. S. Gallons

Signature of Certifying Official: _____

Printed Name of Official: Jay R. Johnson, P.G.

Title: Project Manager

Date: May 3, 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 groundwater extracted by both the DPE and the submersible pump are treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer. The GETS was shutdown between April 10 and 23, 2007, due to transfer pump malfunction. The GETS was re-started on April 23, 2007 after replacing the transfer pump.

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	
April-07	4/2/07[6] 5:30	170,596	66,881
	4/10/07[7] 5:00	NM	
	4/23/07[8] 7:00	172,210	
	4/26/07 6:00	200,143	

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.

[6] System shutdown due to high-level in oil-water separator. System restarted after replacing a capacitor on the transfer pump.

[7] System shutdown due to transfer pump malfunction. System could not be restarted pending replacement of transfer pump.

[8] System restarted after replacing transfer pump.

STRATUS ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date June 4, 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 May 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for May 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. A total of approximately 210,103 gallons of treated groundwater were discharged to the sanitary sewer between April 26, 2007 and May 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: April 26, 2007 to May 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: 33

Total monthly discharge: 210,103 U. S. Gallons

Signature of Certifying Official: _____

Printed Name of Official: Jay R. Johnson, P.G.

Title: Project Manager

Date: June 4, 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 groundwater extracted by both the DPE and the submersible pump are treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer. The GETS was found non-functioning on May 1, 2007 due to DPE liquid ring pump malfunction. The GETS was re-started momentarily on May 1, 2007 and shutdown after sampling. Upon receipt of analytical results and compliance verification, the DPE system and the GETS were re-started on May 15, 2007.

An application for the renewal of the *Special Discharge Permit* was submitted to the City of San Leandro on May 30, 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	
April-07	4/2/07[6] 5:30	170,596	66,881
	4/10/07[7] 5:00	NM	
	4/23/07[8] 7:00	172,210	
	4/26/07 6:00	200,143	
May-07	5/1/2007[9] 4:50	220,892	210,103
	5/15/2007[10] 5:00	225,297	
	5/29/07 8:30	410,246	

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)

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.

[6] System shutdown due to high-level in oil-water separator. System restarted after replacing a capacitor on the transfer pump.

[7] System shutdown due to transfer pump malfunction. System could not be restarted pending replacement of transfer pump.

[8] System restarted after replacing transfer pump.

[9] System observed non-functioning upon arrival due to DPE liquid ring pump malfunction. System re-started, but shutdown after sampling pending receipt and verification of analytical results.

[10] System re-started upon compliance verification and after conducting maintenance on the liquid ring pump.

STRATUS ENVIRONMENTAL, INC.

COPY

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

TRANSMITTAL

Date July 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 June 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for June 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. A total of approximately 19,976 gallons of treated groundwater were discharged to the sanitary sewer between May 29, 2007 and June 26, 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.

K:\BP-ARCO Execute\2111\Reports\Transmittal-TTreece- June 2007 Discharge Report.doc

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: May 29, 2007 to June 26, 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: 28

Total monthly discharge: 19,976 U. S. Gallons

Signature of Certifying Official: _____

Printed Name of Official: Jay R. Johnson, P.G.

Title: Project Manager

Date: July 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 groundwater extracted by both the DPE and the submersible pump are treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer. The GETS was found non-functioning on June 4, 2007, due to high-water level alarm on the air stripper. The GETS was re-started momentarily on June 4, 2007, and shutdown after sampling, pending receipt of analytical results. Upon receipt of analytical results and compliance verification, Stratus attempted to re-start the GETS on June 12, 2007, but the system shutdown momentarily due to high-high alarm on the air stripper. Subsequently, a carbon sample was collected on June 12, 2007 to profile the carbon for changeout and disposal. The GETS was re-started on June 26, 2007. A carbon-changeout for the GETS is scheduled during July 2007.

An application for the renewal of the *Special Discharge Permit* was approved by the City of San Leandro on June 7, 2007.

Submit reports to: City of San Leandro – Environmental Services Division
835 East 14th Street, San Leandro CA 94577

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	5/15/2007[10] 5:00	225,297	
	5/29/07 8:30	410,246	
June-07	6/4/2007[11] 5:00	429,450	19,976
	6/12/2007[12] 5:00	430,092	
	6/26/2007[13] 4:30	430,222	

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[10] System re-started upon compliance verification and after conducting maintenance on the liquid ring pump.

[11] System observed non-functioning upon arrival due to high water level alarm on air stripper. System re-started, but shutdown after sampling pending receipt and verification of analytical results.

[12] System re-started momentarily upon compliance verification and to collect carbon sample for profiling and change-out.

[13] System re-started upon receipt of analytical results for carbon profile.