Atlantic Richfield Company
(a BP affiliated company)

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

Re: Fourth 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

Fourth 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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29 January 2008

Project No. 06-08-615

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

29 January 2008

Project No. 06-08-615

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

Attn.: Mr. Paul Supple

Re: Fourth 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 *Fourth 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 (Site). This report presents results of ground-water monitoring conducted at Station #2111 during the Fourth 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 (Fourth Quarter 2007):

1. Prepared and submitted Third Quarter 2007 report.
2. Conducted ground-water monitoring/sampling for Fourth Quarter 2007. Work performed on 11 October 2007 by Stratus Environmental, Inc (Stratus).
3. Performed routine operation, maintenance and performance monitoring of the Dual-Phase Extraction (DPE) treatment system. Work performed by Stratus.
4. Submitted monthly discharge reports for October, November and December 2007 to the City of San Leandro. Work performed by Stratus.

WORK PROPOSED FOR NEXT QUARTER (First Quarter 2008):

1. Prepared and submitted this Fourth Quarter 2007 Ground-Water Monitoring and Remediation System Status Report (contained herein).
2. Conduct quarterly ground-water monitoring/sampling for First Quarter 2008.
3. Continue operation, maintenance and performance monitoring of the DPE treatment system.
4. Submit monthly discharge reports for January, February and March 2008.

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):	**15.28 ft (MW-6) to 18.10 ft (MW-1)**
General ground-water flow direction:	**West**
Approximate hydraulic gradient:	**0.01 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** **41,680**		**Cumulative** **633,123**	
Total operation hours to date:	**78**		**1544**	
Mass Removal (pounds)				
Gasoline range organics (GRO):	**0.305 (GWE)**	**51.46 (SVE)**	**4.566 (GWE)**	**349.79 (SVE)**
Benzene:	**0.005 (GWE)**		**0.047 (GWE)**	
Methyl-tert butyl ether (MTBE):	**0.243 (GWE)**		**4.881 (GWE)**	
Ground-water DPE system influent sample results (µg/L):	**10/1/2007**	**10/11/2007**	**11/6/2007**	**12/5/2007**
GRO:	**1,000**		**1,100**	**120**
Benzene:	**30**		**12**	**0.99**
MTBE:	**790**		**870**	**79**
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 (mg/M^3):				
GRO:	**1,300**		**1,000**	**830**
Benzene:	**1.2**		**2.0**	**<0.50**
MTBE:	**14**		**23**	**2.5**
Soil vapor DPE system effluent sample results (mg/M^3):				
GRO:	**<10**	**<50**	**<10**	**<10**
Benzene:	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MTBE:	**2.2**	**<0.50**	**<0.50**	**<0.50**

DISCUSSION:

Fourth quarter 2007 ground-water monitoring and sampling was conducted at Station #2111 on 11 October 2007 by Stratus personnel. Water levels were gauged in the eight wells at the Site. No irregularities were noted during water level gauging. Depth to water measurements ranged from 15.28 ft at MW-6 to 18.10 ft at MW-1. Resulting ground-water surface elevations ranged from 22.36 ft above mean sea level in well MW-7 to 21.29 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 0.01 ft/ft, generally inconsistent 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. No irregularities were reported during sampling this quarter. 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 initial analysis was within holding time but required dilution for the sample collected from well MW-7. 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.

Concentrations of GRO were detected above the laboratory reporting limit in four of the seven wells sampled at concentrations up to 1,800 micrograms per liter (µg/L) in well MW-2. Benzene was detected above the laboratory reporting limit in two of the seven wells sampled at concentrations up to 17 µg/L in well MW-2. TAME was detected above the laboratory reporting limit in one of the seven wells sampled at a concentration of 1.7 µg/L in well MW-8. TBA was detected above the laboratory reporting limit in four of the seven wells sampled at concentrations up to 1,300 µg/L in well MW-2. MTBE was detected above the laboratory reporting limit in each of the seven wells sampled at concentrations up to 1,000 µg/L in well MW-2. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the seven wells sampled this quarter.

Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well, with the following exceptions: the concentration of Benzene in wells MW-2 and MW-7 reached historic minimum values of 17 µg/L and <0.5 µg/L, the concentration of TAME reached a historic minimum value of <0.5 µg/L in wells MW-3 and MW-4, TBA concentrations reached historic minimum values of 750 µg/L and 150 µg/L in wells MW-5 and MW-7, respectively, and MTBE concentrations reached historic minimum values of 5.3 µg/L, 0.81 µg/L, 4.8 µg/L, and 370 µg/L in wells MW-3, MW-4, MW-5, and MW-7, respectively. 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 Fourth Quarter 2007 period from 17 September 2007 to 17 December 2007, the DPE system reportedly operated approximately four percent of the time. During this period, a total of 41,680 gallons of ground water was treated and discharged. During the Fourth Quarter 2007, approximately 51.77 pounds of GRO (8.49 gallons), approximately 0.005 pounds of benzene (0.0007 gallons), and approximately 0.243 pounds of MTBE (0.039 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 3.25 days between 1 October 2007 and 17 December 2007 based on the hour meter reading. Stratus restarted the system on 1 October 2007 to collect samples. The system was shut down after sample collection pending receipt of the laboratory analytical results. MTBE was detected at 2.2 milligrams per cubic meter (mg/M^3) in the effluent sample collected on 1 October 2007. Stratus restarted the system on 11 October 2007 in order to resample the effluent and immediately shut the system down pending receipt of the laboratory results. The analytical results from the effluent sample collected on 11 October 2007 were below laboratory reporting limits for petroleum hydrocarbons and fuel oxygenates. The system was restarted on 23 October 2007. Stratus found the system non-operational upon next arrival at the Site on 30 October 2007 due to a high water level alarm on the air stripper. The system was restarted before departure from the Site. Stratus found the system non-operational upon next arrival at the Site on 6 November 2007 due to a high water level alarm on the air stripper. The system was restarted momentarily on 6 November 2007 to facilitate sample collection and then shut down pending receipt of the laboratory results. On 14 November 2007 Stratus

restarted the system after receiving the analytical results from the sample collected on 6 November 2007. The battery for the totalizer (prior to the air stripper) was replaced on 14 November 2007 and the totalizer was reset to zero. Stratus found the system again non-operational upon next arrival at the Site on 20 November 2007 due to a high water level alarm on the air stripper. The water filters were changed and the system was restarted before departing from the Site. Stratus found the system non-operational upon next arrival at the Site on 5 December 2007 due to a high water level alarm on the air stripper. The system was momentarily restarted on 5 December 2007, samples collected and then the system was shut down pending receipt of the laboratory results. On 17 December 2007 Stratus restarted the system after receiving the analytical results from the sample collected on 5 December 2007. Copies of Stratus' remediation system operation and maintenance data packages for Fourth Quarter 2007 are contained within Appendix C. Copies of Stratus' remediation system monthly discharge reports for Fourth 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 – 11 October 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

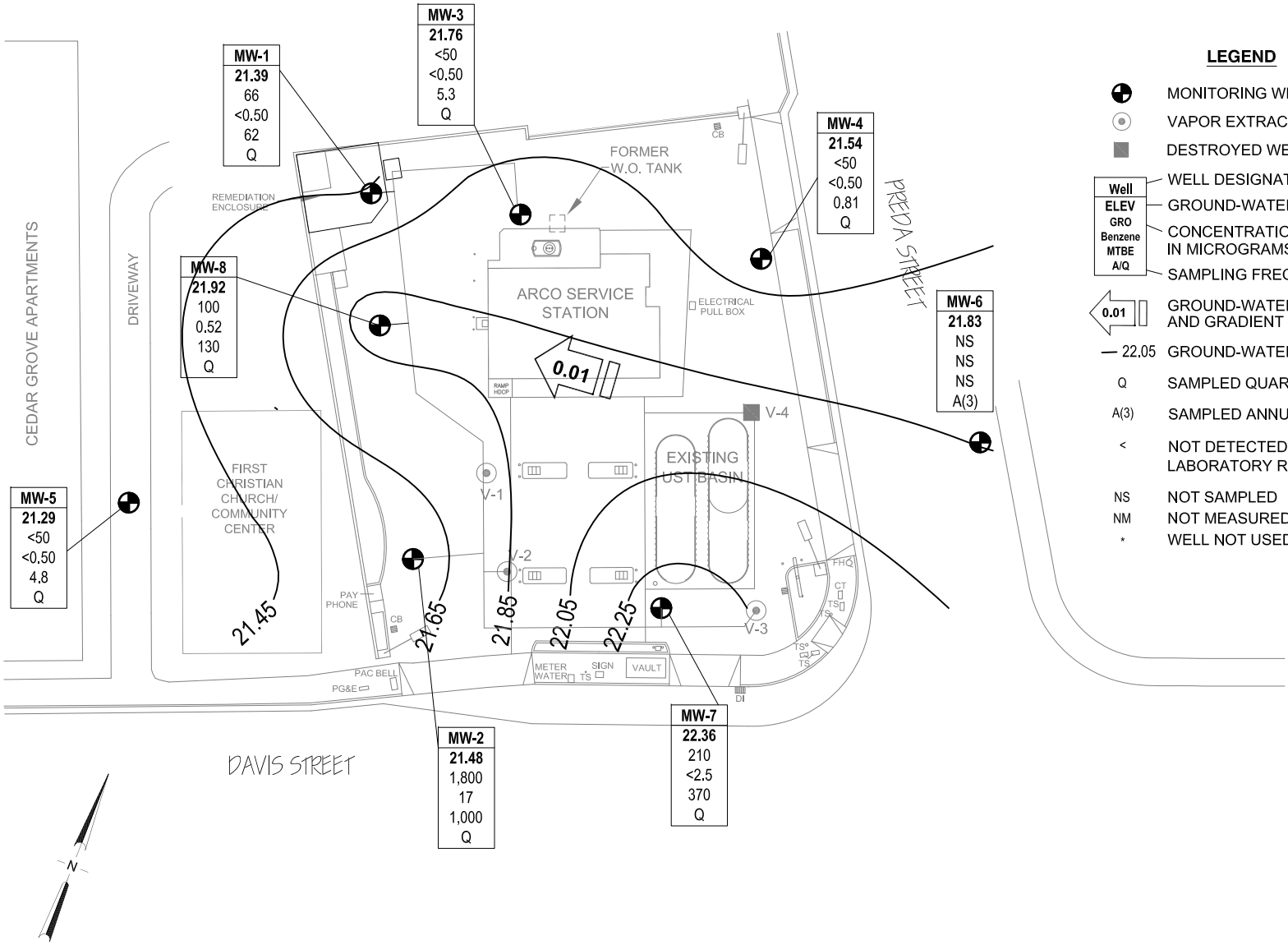
Table 6. Ground-Water Extraction System Performance Data

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



LEGEND

- MONITORING WELL LOCATION
- VAPOR EXTRACTION WELL LOCATION
- DESTROYED WELL LOCATION
- Well — WELL DESIGNATION
- ELEV — GROUND-WATER ELEVATION (FT MSL)
- GRO, Benzene, MTBE — CONCENTRATIONS OF GRO, BENZENE & MTBE IN MICROGRAMS PER LITER (µg/L)
- A/Q — SAMPLING FREQUENCY
- 0.01 — GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 22.05 — 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: 1/3/08

Station #2111
1156 Davis Street
San Leandro, California

Ground-Water Elevation Contours and Analytical Summary Map
11 October 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
7/17/2007	NP		39.49	12.50	26.00	20.85	18.64	<50	<1.0	<1.0	<1.0	<1.0	94	1.91	6.98
10/11/2007	**NP**		**39.49**	**12.50**	**26.00**	**18.10**	**21.39**	**66**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**62**	**1.60**	**7.00**

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															
6/26/2000	--	a	37.99	12.0	26.00	14.60	23.39	--	--	--	--	--	--	--	--
7/20/2000	--		37.99	12.0	26.00	15.14	22.85	95,000	2,300	18,000	2,500	19,000	13,000	--	--
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	43	43	270	990/960	--	--
4/23/2002	--		37.99	12.0	26.00	13.60	24.39	9,000	220	110	470	2,500	8,500	--	--
7/17/2002	NP	a, c	37.99	12.0	26.00	15.75	22.24	74,000	280	290	820	10,000	19,000/0.4	6.8	6.8
10/9/02	NP	g	37.99	12.0	26.00	16.69	21.30	--	--	--	--	--	--	--	--
1/13/03	--	g, h	37.99	12.0	26.00	13.59	24.40	--	--	--	--	--	--	--	--
04/07/03	--	g, h	37.99	12.0	26.00	14.70	23.29	--	--	--	--	--	--	--	--
07/09/03	--	g, h	37.99	12.0	26.00	15.48	22.51	--	--	--	--	--	--	--	--
02/05/2004	NP	g,m	37.86	12.0	26.00	14.43	23.43	--	--	--	--	--	--	--	--
04/05/2004	NP		37.86	12.0	26.00	14.35	23.51	2,300	33	<5.0	<5.0	200	750	0.6	--
07/13/2004	NP		37.86	12.0	26.00	15.79	22.07	59,000	380	<50	2,100	7,900	5,800	0.3	6.4
08/31/2004	--		37.86	12.0	26.00	15.89	21.97	--	--	--	--	--	--	--	--
11/04/2004	--	g, h	37.86	12.0	26.00	15.92	21.94	--	--	--	--	--	--	--	--
01/20/2005	NP	o	37.86	12.0	26.00	13.71	24.15	30,000	450	<50	1,300	3,300	7,000	0.7	6.2
04/11/2005	NP		37.86	12.0	26.00	12.70	25.16	11,000	170	<50	580	630	2,700	0.9	6.8
08/01/2005	NP		37.86	12.0	26.00	14.89	22.97	24,000	170	<50	1,100	2,700	2,700	0.64	6.9
10/21/2005	--	a	37.86	12.0	26.00	16.05	21.81	--	--	--	--	--	--	--	--
01/18/2006	NP	a	37.86	12.0	26.00	12.81	25.05	21,000	71	<50	470	1,400	1,600	1.18	6.6
04/14/2006	NP	a	37.86	12.0	26.00	12.24	25.62	7,800	78	<50	94	130	2,100	0.81	6.7
7/19/2006	NP	q	37.86	12.0	26.00	14.00	23.86	4,900	31	<10	98	75	930	1.1	6.5
10/24/2006	--	g	37.86	12.0	26.00	15.38	22.48	--	--	--	--	--	--	--	6.45
1/15/2007	P		37.86	12.0	26.00	15.00	22.86	5,000	51	<10	49	34	1,400	1.85	7.13
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-2 Cont.															
7/17/2007	NP	n	37.86	12.0	26.00	18.00	19.86	1,100	53	<10	28	<10	1,300	4.84	7.09
10/11/2007	**NP**		**37.86**	**12.0**	**26.00**	**16.38**	**21.48**	**1,800**	**17**	**<10**	**<10**	**11**	**1,000**	**1.52**	**7.05**
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	l	39.32	12.00	26.00	14.78	24.54	<50	<0.50	<0.50	<0.50	<0.50	59	6.8	6.8
04/07/03	NP		39.32	12.00	26.00	16.15	23.17	88	<0.50	<0.50	<0.50	<0.50	75	7.0	7.0
7/9/2003	--		39.32	12.00	26.00	16.79	22.53	100	<0.50	<0.50	<0.50	<0.50	52	6.5	6.5
02/05/2004	NP	m	39.19	12.00	26.00	15.66	23.53	240	<0.50	<0.50	<0.50	<0.50	37	0.5	--
04/05/2004	NP		39.19	12.00	26.00	15.78	23.41	140	<0.50	<0.50	<0.50	0.60	53	1.0	6.6
07/13/2004	NP		39.19	12.00	26.00	17.20	21.99	120	<0.50	<0.50	<0.50	<0.50	35	0.8	6.7
11/04/2004	NP		39.19	12.00	26.00	17.32	21.87	160	<0.50	<0.50	<0.50	<0.50	25	0.8	6.5
01/20/2005	NP		39.19	12.00	26.00	15.07	24.12	160	<0.50	<0.50	<0.50	<0.50	27	0.6	6.1
04/11/2005	NP		39.19	12.00	26.00	14.24	24.95	<50	<0.50	<0.50	<0.50	<0.50	21	0.6	6.1
08/01/2005	NP		39.19	12.00	26.00	16.29	22.90	<50	<0.50	<0.50	<0.50	<0.50	23	1.04	7.2
10/21/2005	NP		39.19	12.00	26.00	17.41	21.78	88	<0.50	<0.50	<0.50	<0.50	19	1.9	6.6
01/18/2006	NP		39.19	12.00	26.00	13.80	25.39	73	<0.50	<0.50	<0.50	<0.50	13	1.13	6.6
04/14/2006	NP		39.19	12.00	26.00	12.55	26.64	<50	<0.50	<0.50	<0.50	<0.50	6.7	0.71	6.6
7/19/2006	NP	q	39.19	12.00	26.00	15.04	24.15	<50	<0.50	<0.50	<0.50	<0.50	11	2.0	6.6
10/24/2006	P		39.19	12.00	26.00	16.45	22.74	<50	<0.50	<0.50	<0.50	<0.50	33	--	6.77
1/15/2007	P		39.19	12.00	26.00	16.00	23.19	<50	<0.50	<0.50	0.61	<0.50	29	1.11	7.03

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

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

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-3 Cont.															
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
7/17/2007	NP		39.19	12.00	26.00	19.40	19.79	<50	<0.50	<0.50	<0.50	<0.50	19	4.25	7.27
10/11/2007	**NP**		**39.19**	**12.00**	**26.00**	**17.43**	**21.76**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**5.3**	**1.62**	**7.10**
MW-4															
6/26/2000	--		38.10	10.0	**24.00**	14.59	23.51	--	--	--	--	--	--	--	--
7/20/2000	--		38.10	10.0	**24.00**	15.04	23.06	97	7.9	<0.5	<0.5	1.1	51	--	--
9/19/2000	--		38.10	10.0	**24.00**	15.83	22.27	110	7	<0.5	<0.5	<1.0	60	--	--
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

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								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-4 Cont.															
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
7/17/2007	NP		37.99	10.0	24.00	16.10	21.89	<50	<0.50	<0.50	<0.50	<0.50	6.6	3.73	6.87
10/11/2007	**NP**		**37.99**	**10.0**	**24.00**	**16.45**	**21.54**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**0.81**	**2.68**	**7.07**
MW-5															
6/26/2000	--		37.21	9.50	23.50	14.27	22.94	--	--	--	--	--	--	--	--
7/20/2000	--		37.21	9.50	23.50	14.69	22.52	55	<0.5	<0.5	<0.5	<1.0	14,000	--	--
9/19/2000	--		37.21	9.50	23.50	15.36	21.85	54	<0.5	<0.5	<0.5	<1.0	13,000	--	--
12/21/2000	--		37.21	9.50	23.50	15.15	22.06	72.9	2.51	<0.5	<0.5	0.961	19,200/21,200	--	--
3/13/2001	--		37.21	9.50	23.50	13.50	23.71	<500	<5	<5	<5	<5	15,900/20,000	--	--
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

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

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-5 Cont.															
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
7/17/2007	NP	n	37.12	9.50	23.50	15.55	21.57	53	<2.5	<2.5	<2.5	<2.5	6.6	5.02	7.02
10/11/2007	**NP**		**37.12**	**9.50**	**23.50**	**15.83**	**21.29**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**4.8**	**2.92**	**7.23**
MW-6															
6/26/2000	--		37.11	10.00	25.00	13.46	23.65	--	--	--	--	--	--	--	--
7/20/2000	--		37.11	10.00	25.00	13.94	23.17	<50	<0.5	<0.5	<0.5	<1.0	<3.0	--	--
9/19/2000	--		37.11	10.00	25.00	14.41	22.70	<50	<0.5	<0.5	<0.5	<1.0	<3.0	--	--
12/21/2000	--		37.11	10.00	25.00	14.53	22.58	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/13/2001	--		37.11	10.00	25.00	12.67	24.44	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
9/18/2001	--		37.11	10.00	25.00	15.42	21.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0	--	--
12/28/2001	--		37.11	10.00	25.00	12.96	24.15	<50	<0.5	<0.5	<0.5	<0.5	12/<0.5	--	--
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	--	--	--	--	--	--	--	--

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-6 Cont.															
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	--	--	--	--	--	--	--	--
7/17/2007	NP		37.11	10.00	25.00	14.08	23.03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.40	7.02
10/11/2007	--		**37.11**	**10.00**	**25.00**	**15.28**	**21.83**	--	--	--	--	--	--	--	--
MW-7															
6/26/2000	--		38.68	12.0	**27.00**	14.34	24.34	--	--	--	--	--	--	--	--
7/20/2000	--		38.68	12.0	**27.00**	15.26	23.42	14,000	5.4	<0.5	2.8	5.9	71,000	--	--
9/19/2000	--		38.68	12.0	**27.00**	15.70	22.98	8,400	420	38	470	220	5,600	--	--
12/21/2000	--		38.68	12.0	**27.00**	16.02	22.66	--	--	--	--	--	--	--	--
3/13/2001	--		38.68	12.0	**27.00**	14.18	24.50	<2,000	154	63	46.3	127	75,000/160,00	--	--
9/18/2001	--		38.68	12.0	**27.00**	17.02	21.66	<100,000	1,900	<1,000	<1,000	2,800	90,000/370,00	--	--
12/28/2001	--		38.68	12.0	**27.00**	14.81	23.87	<20,000	<200	<200	<200	<200	84,000/72,000	--	--
3/14/2002	--		38.68	12.0	**27.00**	14.60	24.08	<50,000	<500	<500	<500	<500	85,000/85,000	--	--
4/23/2002	--		38.68	12.0	**27.00**	13.94	24.74	<20,000	530	200	220	800	67,000	--	--
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

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-7 Cont.															
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
7/17/2007	NP	n	38.54	12.0	27.00	23.75	14.79	560	<25	<25	<25	<25	890	4.23	7.41
10/11/2007	**NP**	**t (GRO)**	**38.54**	**12.0**	**27.00**	**16.18**	**22.36**	**210**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**370**	**2.99**	**7.33**
MW-8															
02/05/2004	P	m	38.91	--	--	15.61	23.30	3,600	<25	<25	<25	<25	1,900	6.9	6.8
04/05/2004	P		38.91	--	--	15.64	23.27	1,900	<10	<10	<10	<10	1,200	3.2	6.7
07/13/2004	P		38.91	--	--	17.22	21.69	<1,000	<10	<10	<10	<10	760	1.6	6.7
11/04/2004	P		38.91	--	--	17.19	21.72	960	<5.0	<5.0	<5.0	<5.0	820	1.8	6.7
01/20/2005	P		38.91	--	--	15.25	23.66	<2,500	<25	<25	<25	<25	1,400	1.5	6.4
04/11/2005	P		38.91	--	--	14.17	24.74	700	<5.0	<5.0	<5.0	<5.0	610	1.1	7.1
08/01/2005	P		38.91	--	--	16.10	22.81	<1,000	<10	<10	<10	<10	900	2.58	7.7
10/21/2005	P	n	38.91	--	--	17.18	21.73	530	<5.0	<5.0	<5.0	<5.0	490	1.4	6.7
01/18/2006	P		38.91	--	--	13.60	25.31	<500	<5.0	<5.0	<5.0	<5.0	500	2.28	6.6
04/14/2006	P		38.91	--	--	12.36	26.55	<500	<5.0	<5.0	<5.0	<5.0	300	1.97	6.6
7/19/2006	P		38.91	--	--	14.75	24.16	4,500	<25	<25	<25	<25	4,200	1.2	6.6
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
7/17/2007	NP	n	38.91	--	--	16.76	22.15	63	<0.50	<0.50	<0.50	<0.50	96	1.85	6.97
10/11/2007	**P**		**38.91**	**--**	**--**	**16.99**	**21.92**	**100**	**0.52**	**<0.50**	**<0.50**	**<0.50**	**130**	**1.67**	**7.18**

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.
t = Initial analysis within holding time but required dilution.

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	
7/17/2007	<600	<40	94	<1.0	<1.0	2.3	<1.0	<1.0	
10/11/2007	**<300**	**<20**	**62**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
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	
7/17/2007	<6,000	1,000	1,300	<10	<10	<10	<10	<10	

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-2 Cont.									
10/11/2007	**<6,000**	**1,300**	**1,000**	**<10**	**<10**	**<10**	**<10**	**<10**	
MW-3									
4/7/2003	<100	<20	75	<0.50	<0.50	6.5	--	--	
7/9/2003	<100	<20	52	<0.50	<0.50	4.2	--	--	
02/05/2004	<100	<20	37	<0.50	<0.50	3.1	<0.50	<0.50	
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	
7/17/2007	<300	<20	19	<0.50	<0.50	1.5	<0.50	<0.50	
10/11/2007	**<300**	**<20**	**5.3**	**<0.50**	**<0.50**	**<0.50**	**<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	

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.									
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	
4/18/2007	<300	<20	5.6	<0.50	<0.50	1.1	<0.50	<0.50	
7/17/2007	<300	<20	6.6	<0.50	<0.50	1.7	<0.50	<0.50	
10/11/2007	**<300**	**<20**	**0.81**	**<0.50**	**<0.50**	**<0.50**	**<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	
7/17/2007	<1,500	1,100	6.6	<2.5	<2.5	<2.5	<2.5	<2.5	
10/11/2007	**<300**	**750**	**4.8**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-6									
4/7/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	

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-6 Cont.									
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
7/17/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-7									
4/7/2003	<5,000	<1,000	710	<25	<25	<25	--	--	
7/9/2003	<100,000	<20,000	36,000	<500	<500	<500	--	--	
02/05/2004	<50,000	<10,000	34,000	<250	<250	<250	<250	<250	
04/05/2004	<50,000	<10,000	37,000	<250	<250	<250	<250	<250	
07/13/2004	<200,000	<40,000	56,000	<1,000	<1,000	1,300	<1,000	<1,000	
11/04/2004	<100,000	<20,000	71,000	<500	<500	<500	<500	<500	
01/20/2005	<50,000	<10,000	36,000	<250	<250	<250	<250	<250	a
04/11/2005	<5,000	<1,000	1,200	<25	<25	<25	<25	<25	
08/01/2005	<50,000	<10,000	4,800	<250	<250	<250	<250	<250	
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	
7/17/2007	<15,000	<1,000	890	<25	<25	<25	<25	<25	
10/11/2007	**<1,500**	**150**	**370**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	
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

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-8 Cont.									
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	
7/17/2007	<300	110	96	<0.50	<0.50	1.2	<0.50	<0.50	
10/11/2007	**<300**	**350**	**130**	**<0.50**	**<0.50**	**1.7**	**<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
7/17/2007	Southeast	0.05
10/11/2007	**West**	**0.01**

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
MW-2	07/17/07	ND	0.00
MW-2	**10/11/07**	**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
	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
1/29/2007										
	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
	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
2/5/2007										
	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
	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
3/5/2007										
	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
	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
4/2/2007										
	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
	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
5/1/2007										
	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
	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
6/4/2007										
	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
	SVE-Influent	Air (mg/m^3)	180	<0.50	<0.50	<0.50	<1.0	---	---	11
	SVE A/S-Effluent	Air (mg/m^3)	<10	<0.10	<0.10	<0.10	<0.20	---	---	0.87
	SVE-Effluent	Air (mg/m^3)	<10	<0.10	<0.10	<0.10	<0.20	---	---	<0.50
7/2/2007										
	GWE-Influent	Water (µg/L)	370[1]	<5.0	<5.0	<5.0	<5.0	<5.0	<200	400
	GWE A/S-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	84	35
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
	SVE-Influent	Air (mg/m^3)	660	<1.0	<1.0	1.2	2.2	---	---	11
	SVE A/S-Effluent	Air (mg/m^3)	11	0.25	<0.10	0.21	0.22	---	---	11
	SVE-Effluent	Air (mg/m^3)	<10	<0.10	<0.10	<0.10	<0.20	---	---	<0.50
8/1/2007										
	GWE-Influent	Water (µg/L)	470	5.5	<5.0	9.1	17	<5.0	870	600
	GWE A/S-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	28	6.8
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
	SVE-Influent	Air (mg/m^3)	1,200	0.79	<0.50	1.5	3.8	---	---	14
	SVE A/S-Effluent	Air (mg/m^3)	<50	<0.50	<0.50	<0.50	<0.50	---	---	5.1
	SVE-Effluent	Air (mg/m^3)	<50	<0.50	<0.50	<0.50	<0.50	---	---	<0.50
9/5/2007										
	GWE-Influent	Water (µg/L)	410	5.6	<5.0	10	28	<5.0	830	580
	GWE A/S-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	830	37
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50

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
	SVE-Influent	Air (mg/m^3)	**1,300**	**1.2**	<0.50	**2.6**	**5.2**	---	---	**14**
	SVE A/S-Effluent	Air (mg/m^3)	<10	<0.50	<0.50	<0.50	<0.50	---	---	**2.6**
	SVE-Effluent	Air (mg/m^3)	<10	<0.50	<0.50	<0.50	<0.50	---	---	**2.2**
10/1/2007										
	GWE-Influent	Water (µg/L)	**1,000**	**30**	<5.0	**9.1**	<5.0	<5.0	**1,400**	**790**
	GWE A/S-Effluent	Water (µg/L)	**60**	<0.50	<0.50	<0.50	<0.50	<0.50	**970**	**71**
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
	SVE-Influent	Air (mg/m^3)	**1,000**	**2.0**	<0.50	**4.0**	**5.3**	---	---	**23**
	SVE A/S-Effluent	Air (mg/m^3)	**13**	<0.50	<0.50	<0.50	<0.50	---	---	**15**
	SVE-Effluent	Air (mg/m^3)	<10	<0.50	<0.50	<0.50	<0.50	---	---	<0.50
11/6/2007										
	GWE-Influent	Water (µg/L)	**1,100**	**12**	<5.0	**27**	**39**	**5.9**	**1,100**	**870**
	GWE A/S-Effluent	Water (µg/L)	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	**1,100**	**93**
	GWE-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
	SVE-Influent	Air (mg/m^3)	**830**	<0.50	<0.50	**1.0**	**1.2**	---	---	**2.5**
	SVE A/S-Effluent	Air (mg/m^3)	<10	<0.50	<0.50	<0.50	<0.50	---	---	<0.50
	SVE-Effluent	Air (mg/m^3)	<10	<0.50	<0.50	<0.50	<0.50	---	---	<0.50
12/5/2007										
	GWE-Influent	Water (µg/L)	**120**	**0.99[3]**	<0.50[3]	**2.3[3]**	**6.7[3]**	**0.52[3]**	**51[3]**	**79[3]**
	GWE A/S-Effluent	Water (µg/L)	<50	<0.50	<0.50	<0.50	<0.50	**0.61**	<20	**2.7**
	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 rang
[2] = Primary and confirm results varied by > 40% RPI
[3] = Sample taken from VOA vial with air bubble > 6 millimeters in diamete

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 Concen-tration (µg/L)	Removal Rate (lbs/day)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen-tration (µg/L)	Removal Rate (lbs/day)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen-tration (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
INFL	07/02/07		480,377	50,927	1.26	370	0.01	0.193	3.876	<5.0	3.8E-05	0.001	0.038	400	8.1E-03	0.227	4.174
INFL	08/01/07		580,301	99,924	2.31	470	0.01	0.350	4.226	5.5	1.1E-04	0.003	0.041	600	1.4E-02	0.417	4.591
INFL	09/05/07		589,944	9,643	0.19	410	0.00	0.035	4.261	5.6	1.3E-05	0.000	0.042	580	1.4E-03	0.047	4.639
INFL	**10/01/07**		**592,403**	**2,459**	**0.07**	**1,000**	**0.00**	**0.014**	**4.276**	**30.0**	**1.4E-05**	**0.000**	**0.042**	**790**	**5.4E-04**	**0.014**	**4.653**
INFL	**11/06/07**		**615,161**	**22,758**	**0.44**	**1,100**	**0.01**	**0.199**	**4.475**	**12.0**	**1.1E-04**	**0.004**	**0.046**	**870**	**4.4E-03**	**0.158**	**4.810**
INFL	**12/05/07**		**633,121**	**17,960**	**0.43**	**120**	**0.00**	**0.091**	**4.566**	**0.99**	**3.4E-05**	**0.001**	**0.047**	**79**	**2.5E-03**	**0.071**	**4.881**
REPORTING PERIOD: FOURTH QUARTER 2007																	
PERIOD WATER DISCHARGED (gal):					**43,177**	**as of 12/5/2007**											
AVERAGE DISCHARGE RATE (gpm)					**0.46**												
PERIOD POUNDS REMOVED:								**0.305**				**0.005**				**0.243**	
PERIOD GALLONS REMOVED:								**0.050**				**0.001**				**0.039**	
TOTAL POUNDS REMOVED:									**4.566**				**0.047**				**4.881**
TOTAL GALLONS REMOVED:					**633,121**				**0.749**				**0.006**				**0.790**
ESTIMATED PERCENT CARBON LOADING:						**15.8%**											

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
EFFL	07/02/07		480,377	50,927	1.26	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	08/01/07		580,301	99,924	2.31	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	09/05/07		589,944	9,643	0.19	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	**10/01/07**		592,403	2,459	0.07	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	**11/06/07**		615,161	22,758	0.44	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50
EFFL	**12/05/07**		633,121	17,960	0.43	<50	<0.50	<0.50	<0.50	<0.50	<20	<0.50

REPORTING PERIOD: FOURTH QUARTER 2007
PERIOD WATER DISCHARGED (gal): 41,680 as of 12/17/2007
AVERAGE DISCHARGE RATE (gpm) 0.46

Explanations:

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

Table 8
OPERATIONAL UPTIME INFORMATION FOR THE SOIL VAPOR EXTRACTION SYSTEM

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

Date	Hr. Meter Reading	No. of Days Between Sampling Dates			Cumulative Days		Percent Uptime
		Total Days	Uptime	Days Down	Total Days	Uptime	
01/29/07	13.6	NA	NA	NA	NA	NA	NA
02/05/07	178.7	7	6.9	0.1	7	6.90	98%
03/05/07	437.6	28	10.8	17.2	35	17.7	39%
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%
07/02/07	1128.4	28	6.1	21.9	154	46.5	22%
08/01/07	1430.1	30	12.6	17.4	184	59.0	42%
09/05/07	1460.4	35	1.3	33.7	219	60.3	4%
10/01/07	**1466.1**	**26**	**0.2**	**25.8**	**245**	**60.5**	**1%**
11/06/07	**1500.0**	**36**	**1.4**	**34.6**	**281**	**62.0**	**4%**
12/05/07	**1544.0**	**29**	**1.8**	**27.2**	**310**	**63.8**	**6%**

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
07/02/07	200	NR	Influent	180	<0.50	<0.50	<0.50	<1.0	11
			A/S-Effluent	<10	<0.10	<0.10	<0.10	<0.20	0.87
			Effluent	<10	<0.10	<0.10	<0.10	<0.20	<0.50
08/01/07	200	NR	Influent	660	<1.0	<1.0	1.2	2.2	11
			A/S-Effluent	11	0.25	<0.10	0.21	0.22	11
			Effluent	<10	<0.10	<0.10	<0.10	<0.20	<0.50
09/05/07	190	NR	Influent	1,200	0.79	<0.50	1.5	3.8	14
			A/S-Effluent	<50	<0.50	<0.50	<0.50	<0.50	5.1
			Effluent	<50	<0.50	<0.50	<0.50	<0.50	<0.50
10/01/07	190	NR	Influent	**1,300**	**1.2**	<0.50	**2.6**	**5.2**	**14**
			A/S-Effluent	<10	<0.50	<0.50	<0.50	<0.50	**2.6**
			Effluent	<10	<0.50	<0.50	<0.50	<0.50	**2.2**
11/06/07	190	NR	Influent	**1,000**	**2.0**	<0.50	**4.0**	**5.3**	**23**
			A/S-Effluent	**13**	<0.50	<0.50	<0.50	<0.50	**15**
			Effluent	<10	<0.50	<0.50	<0.50	<0.50	<0.50
12/05/07	190	NR	Influent	**830**	<0.50	<0.50	**1.0**	**1.2**	**2.5**
			A/S-Effluent	<10	<0.50	<0.50	<0.50	<0.50	<0.50
			Effluent	<10	<0.50	<0.50	<0.50	<0.50	<0.50

Notes:
mg/m^3 = milligrams per cubic meter
in Hg = inches of mercury
cfm = cubic feet per second
GRO = gasoline range organics
NR = not recorded

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
7/2/2007	3.20	0.00	0.09	0.00	97.2%	80.0%	25.84	183.56
8/1/2007	11.72	0.01	0.09	0.00	99.2%	90.0%	94.00	277.56
9/5/2007*	20.25	0.01	0.42	0.00	97.9%	68.4%	20.78	298.34
10/1/2007	**21.94**	**0.02**	**0.08**	**0.00**	**99.6%**	**79.2%**	**4.22**	**302.56**
11/6/2007	**16.87**	**0.03**	**0.08**	**0.00**	**99.5%**	**87.5%**	**27.17**	**329.72**
12/5/2007*	**14.01**	**0.00**	**0.08**	**0.00**	**99.4%**	**0.0%**	**20.07**	**349.79**

Air Permit Limits

Sample Calculations

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

= 19.27 lbs/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

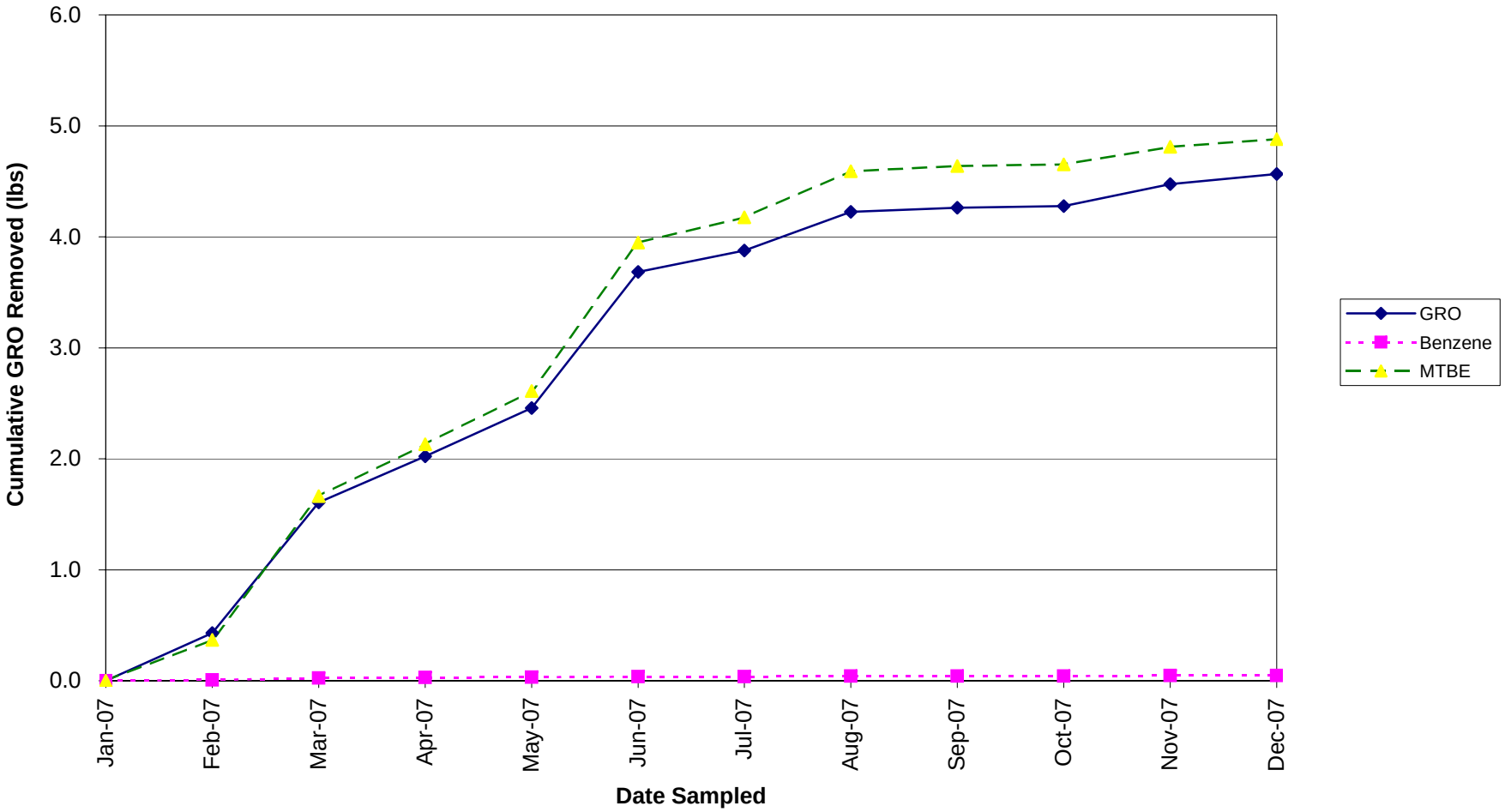


Figure 2
GWE Influent Concentrations for GRO, Benzene, and MTBE
Station #2111, 1156 Davis Street, San Leandro, California

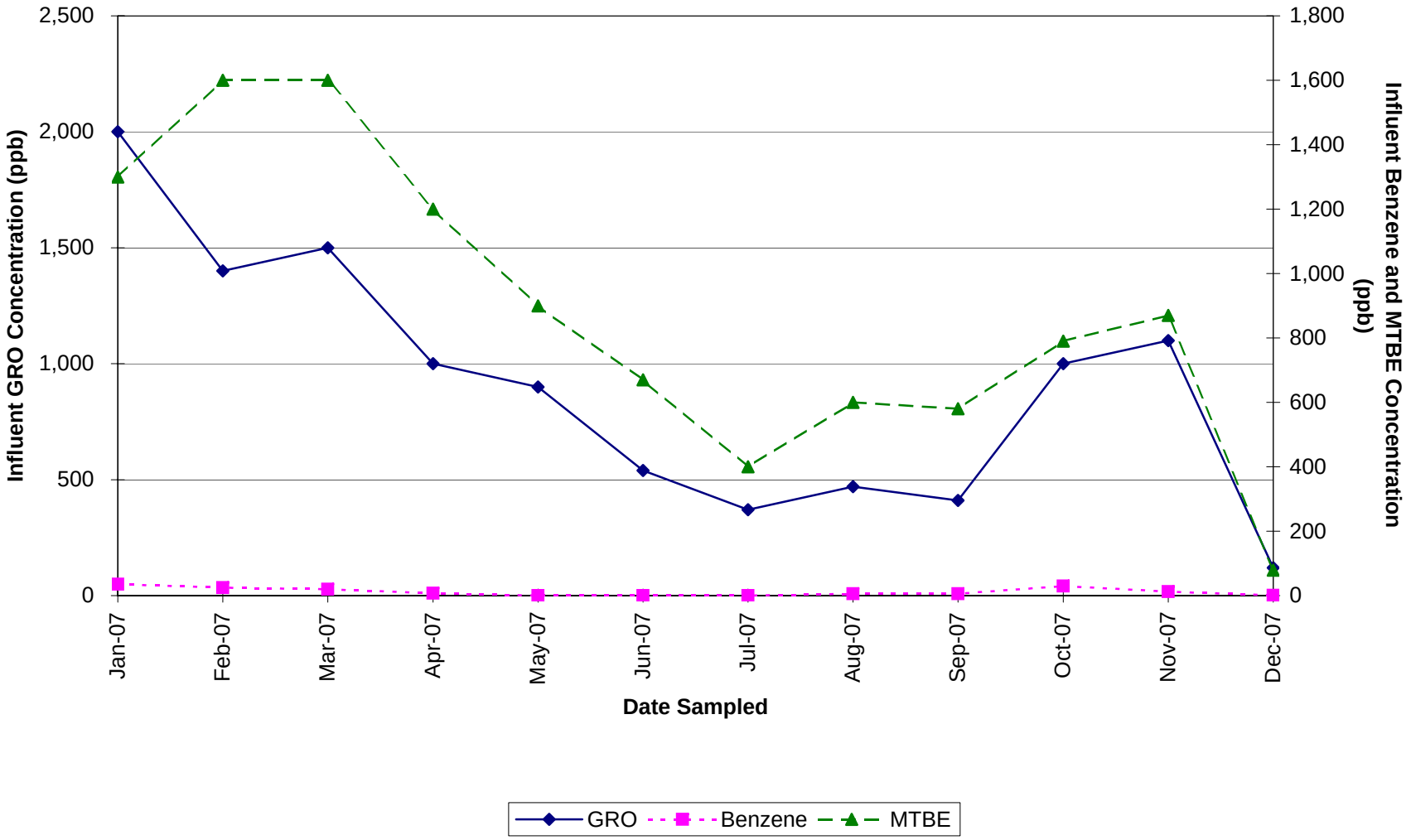


Figure 3
SVE System Influent Concentration vs.Time
Station #2111, 1156 Davis Street, San Leandro, California

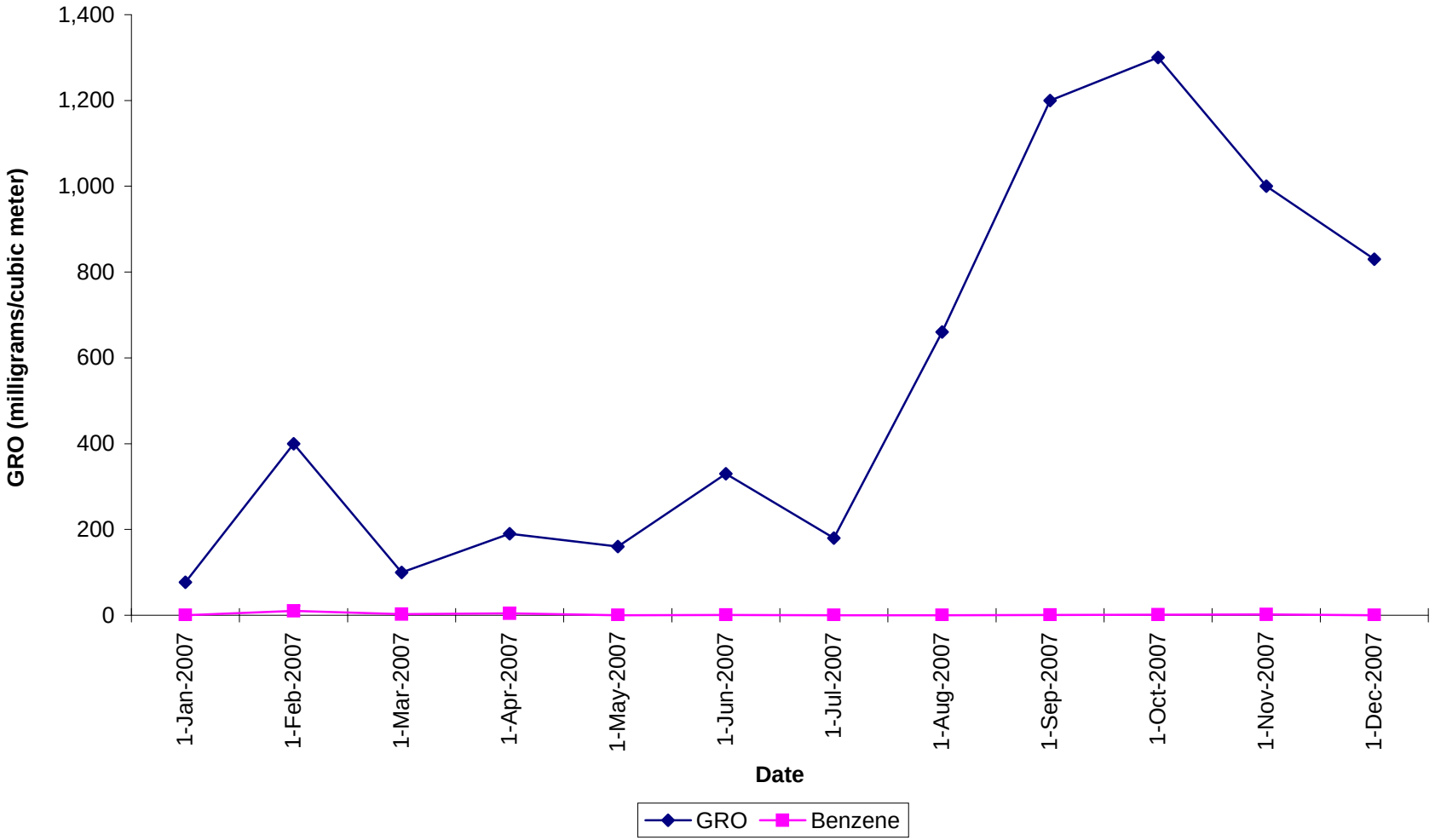
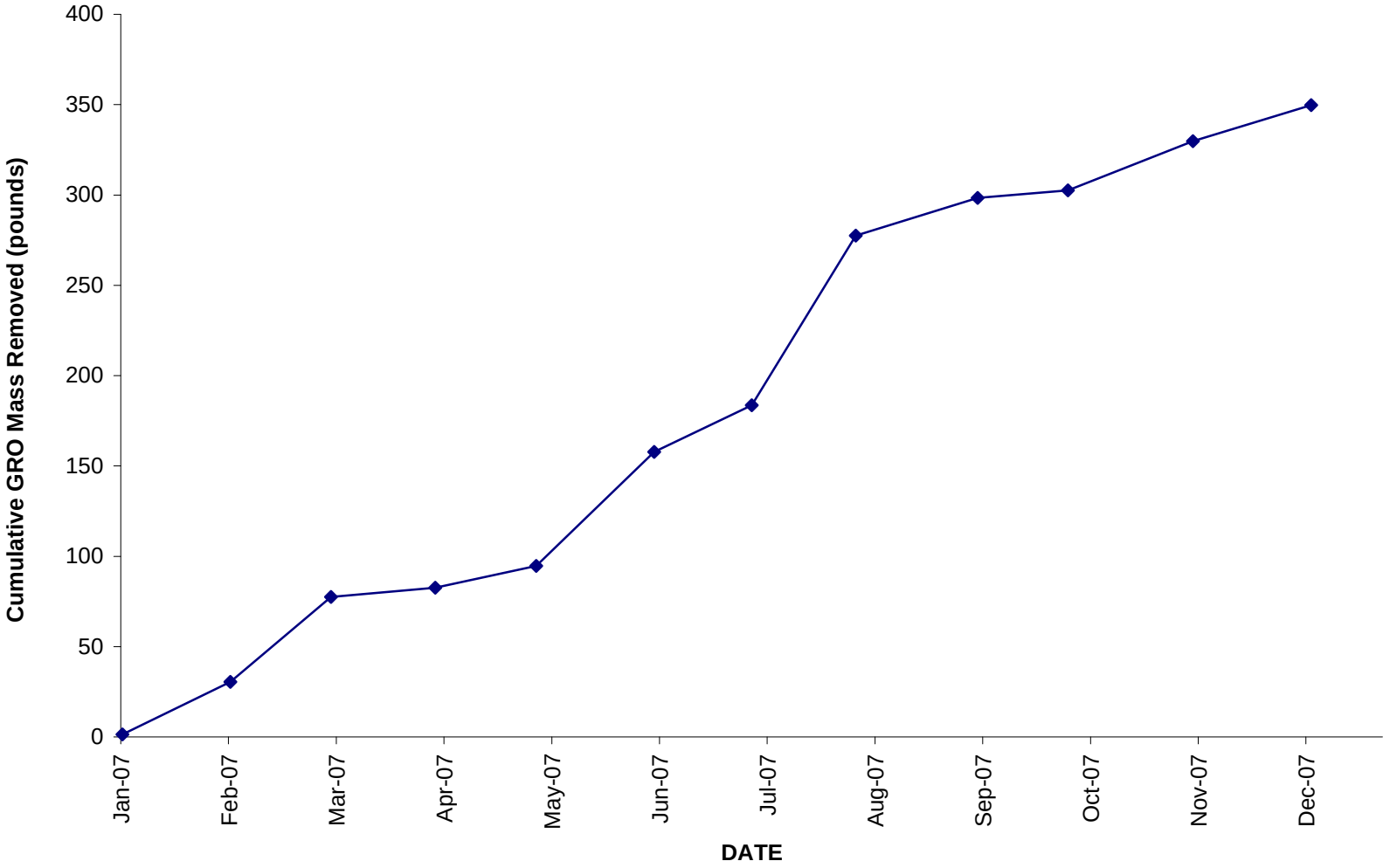


Figure 4
SVE System Cumulative GRO Mass Removed vs. Time
Station #2111, 1156 Davis Street, San Leandro, California



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

November 12, 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

General Information

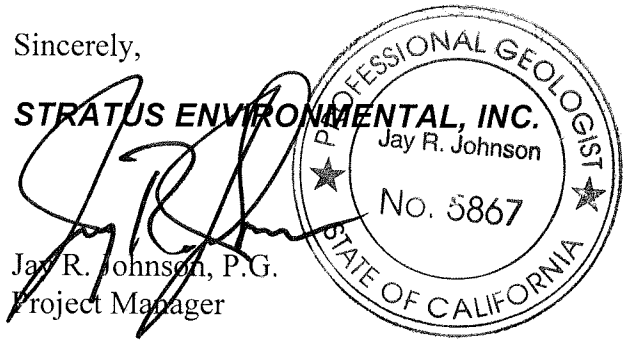
Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representatives: David DeMello

Date: October 11, 2007
Arrival: 10:30 *Departure:* 14:30
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 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:

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

CC: Mr. Paul Supple, BP/ARCO

STRATUS ENVIRONMENTAL INC.

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

Site Number ARCO 2111
Project No E2111
Project PM JAY Johnson
Date 10-11-07

ORIGINAL

Signature [signature] Date: 10/11/07

* - 6 VOA's Sampled

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	Dissolved Oxygen (mg/L)
MW-1	1350	18.10	12.50	26.10	N/A	4	2	N/A	N/A	X	X			N/A	1	1345	1.60
MW-2	1224	16.38	12	26.45		4	2			X	X				2	1235	1.52 *
MW-3	1400	17.43	12	26.23		4	2								3	1410	1.62
MW-4	1130	16.45	10	21.30		4	2			X	X				4	1140	2.68
MW-5	1110	15.83	9.50	23.50		2	.5			X	X				5	1116	2.92
MW-6	1100	15.28	10	20.32		2	.5			X					6	N/S	-
MW-7	1200	16.18	12	26.25		4	2			X	X				7	1208	2.99
MW-8	1305	16.99	18	38.98	21.99	2	.5	10.99	11		X			17.00	8	1330	1.67
TB	1045													-	TB	1045	-
								Total = 11 gal									

Multiplier Values
2" = 0.5 3" = 1.0 4"=2.0 6"=4.4

1) Water Dumped into site containment area per C-Hill.

ENVIRONMENTAL, INC.

City San Leandro, CA
Site Sampled by Delta

ORIGINAL

Project No. E2111
Project PM JAY JOHNSON
Date Sampled 10-11-07

Well ID	MW-1			1345
purge start time	Bailer		No odor	
	Temp C	pH	cond	gallons
time	21.8	7.00	664	∅
time				
time				
time				
purge stop time				

Well ID	MW-2			1235
purge start time	Bailer		Odor	
	Temp C	pH	cond	gallons
time	23.3	7.05	697	∅
time				
time				
time				
pugre stop time				

Well ID	MW-3			1410
purge start time	Bailer		No odor	
	Temp C	pH	cond	gallons
time	21.8	7.10	664	∅
time				
time				
time				
purge stop time				

Well ID	MW-4			1140
purge start time	Bailer		No odor	
	Temp C	pH	cond	gallons
time	21.5	7.07	721	∅
time				
time				
time				
purge stop time				

Well ID	MW-5			1116
purge start time	Bailer		No odor	
	Temp C	pH	cond	gallons
time	21.5	7.23	689	∅
time				
time				
time				
purge stop time				

Well ID	MW-6			
purge start time	N/S			
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	MW-7			1208
purge start time	Bailer		No odor	
	Temp C	pH	cond	gallons
time	22.2	7.33	678	∅
time				
time				
time				
purge stop time				

Well ID	MW-8			1330
purge start time	Bailer		No odor	
	Temp C	pH	cond	gallons
time	22.0	7.06	673	0
time	21.1	7.13	682	5
time	21.3	7.18	674	10
time				
purge stop time				

Wellhead Observation Form

ORIGINAL

Account: ARCO 2111

Sampled by: D. DeMello Date: 10/11/07

Well ID	Box in good condition	Lock Missing (Replaced with new)	Water in Box	Bolts Missing	Bolts Stripped	Bolt-Holes Stripped	Cracked or Broken Lid	Cracked Box and/or Bolt-Holes	Misc.	Add'l -- Notes and Other Stuff
MW-1	X									
2	X									
3	X									
4	X									
5				(2)						
6			X							Water to tighten bolts
7				(4)						used Hammer
8	X									

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

ORIGINAL

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

On-site Time:	1030	Temp:	70's
Off-site Time:	1430	Temp:	80's
Sky Conditions:	Clear		
Meteorological Events:	-		
Wind Speed:	-	Direction:	-

Lab Name: TestAmerica	BP/AR Facility No.: 2111	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 1156 Davis Street, San Leandro	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95937	Site Lat/Long:	Cameron Park, CA 95682
Lab PM: Lisa Race	California Global ID No.: T0600101764	Consultant/Contractor Project No.: 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	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	All By 8260 Requested Analysis: GRO/BTEX	5 Oxy's	1,2-DCA	EDB	Ethanol	Sample Point Lat/Long and Comments (*Oxy= MTBE,TAME,ETBE,DIPE,TBA)
1	MW-1	1345	10/11 2007		X			3				X		X	X	X	X	X	
2	MW-2	1235			↓			6				↓		↓	↓	↓	↓	↓	
3	MW-3	1410						3											
4	MW-4	1140						3											
5	MW-5	1116						3											
6	MW-7	1208						3											
7	MW-8	1330	↓		↓			3				↓		↓	↓	↓	↓	↓	
8																			
9	TB-2111-10112007	1045	—		—		—	2	—			—		—	—	—	—	—	HOLD
10																			

Sampler's Name: David DeMello	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: STRATUS ENVIRONMENTAL	David DeMello / STRATUS	101107	1636		10/11/07	1636
Shipment Date: 10-11-07						
Shipment Method: -						
Shipment Tracking No:						

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

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

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8 November, 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: MQJ0464

Enclosed are the results of analyses for samples received by the laboratory on 10/12/07 14:51. 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	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MQJ0464-01	Water	10/11/07 13:45	10/12/07 14:51
MW-2	MQJ0464-02	Water	10/11/07 12:35	10/12/07 14:51
MW-3	MQJ0464-03	Water	10/11/07 14:10	10/12/07 14:51
MW-4	MQJ0464-04	Water	10/11/07 11:40	10/12/07 14:51
MW-5	MQJ0464-05	Water	10/11/07 11:16	10/12/07 14:51
MW-7	MQJ0464-06	Water	10/11/07 12:08	10/12/07 14:51
MW-8	MQJ0464-07	Water	10/11/07 13:30	10/12/07 14:51
TB-2111-10112007	MQJ0464-08	Water	10/11/07 10:45	10/12/07 14:51

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	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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 (MQJ0464-01) Water Sampled: 10/11/07 13:45 Received: 10/12/07 14:51									
Gasoline Range Organics (C4-C12)	**66**	50	ug/l	1	7J18035	10/18/07	10/18/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*55-130*		"	"	"	"	
MW-2 (MQJ0464-02) Water Sampled: 10/11/07 12:35 Received: 10/12/07 14:51									
Gasoline Range Organics (C4-C12)	**1800**	1000	ug/l	20	7J18035	10/18/07	10/19/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*55-130*		"	"	"	"	
MW-3 (MQJ0464-03) Water Sampled: 10/11/07 14:10 Received: 10/12/07 14:51									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J18035	10/18/07	10/19/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*55-130*		"	"	"	"	
MW-4 (MQJ0464-04) Water Sampled: 10/11/07 11:40 Received: 10/12/07 14:51									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J18035	10/18/07	10/19/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MQJ0464-05) Water Sampled: 10/11/07 11:16 Received: 10/12/07 14:51									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J19009	10/19/07	10/19/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*55-130*		"	"	"	"	
MW-7 (MQJ0464-06RE1) Water Sampled: 10/11/07 12:08 Received: 10/12/07 14:51									**CL**
Gasoline Range Organics (C4-C12)	**210**	100	ug/l	2	7K07011	11/07/07	11/07/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*189 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*192 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*196 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*189 %*	*55-130*		"	"	"	"	
MW-8 (MQJ0464-07) Water Sampled: 10/11/07 13:30 Received: 10/12/07 14:51									
Gasoline Range Organics (C4-C12)	**100**	50	ug/l	1	7J19009	10/19/07	10/19/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-150*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MQJ0464-01) Water Sampled: 10/11/07 13:45 Received: 10/12/07 14:51									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7J18035	10/18/07	10/18/07	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	**62**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*65-120*		"	"	"	"	
MW-2 (MQJ0464-02) Water Sampled: 10/11/07 12:35 Received: 10/12/07 14:51									
tert-Amyl methyl ether	ND	10	ug/l	20	7J18035	10/18/07	10/19/07	EPA 8260B	
Benzene	**17**	10	"	"	"	"	"	"	
tert-Butyl alcohol	**1300**	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Ethanol	ND	6000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1000**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	**11**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*65-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MQJ0464-03) Water Sampled: 10/11/07 14:10 Received: 10/12/07 14:51									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7J18035	10/18/07	10/19/07	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	**5.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*65-120*		"	"	"	"	
MW-4 (MQJ0464-04) Water Sampled: 10/11/07 11:40 Received: 10/12/07 14:51									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7J18035	10/18/07	10/19/07	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	**0.81**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*65-120*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MQJ0464-05) Water Sampled: 10/11/07 11:16 Received: 10/12/07 14:51									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7J19009	10/19/07	10/19/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**750**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.8**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*65-120*		"	"	"	"	
MW-7 (MQJ0464-06) Water Sampled: 10/11/07 12:08 Received: 10/12/07 14:51									
tert-Amyl methyl ether	ND	2.5	ug/l	5	7J24013	10/24/07	10/24/07	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	**150**	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	**370**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MQJ0464-07) Water	**Sampled: 10/11/07 13:30**	**Received: 10/12/07 14:51**							
tert-Amyl methyl ether	**1.7**	0.50	ug/l	1	7J19009	10/19/07	10/19/07	EPA 8260B	
Benzene	**0.52**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**350**	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		*96 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J18035 - EPA 5030B P/T / LUFT GCMS										
Blank (7J18035-BLK1)				Prepared & Analyzed: 10/18/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.92*		"	*2.50*		*117*	*60-150*			
Surrogate: Dibromofluoromethane	*2.81*		"	*2.50*		*112*	*75-130*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.43*		"	*2.50*		*97*	*55-130*			
Laboratory Control Sample (7J18035-BS2)				Prepared & Analyzed: 10/18/07						
Gasoline Range Organics (C4-C12)	491	50	ug/l	500		98	55-130			
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*60-150*			
Surrogate: Dibromofluoromethane	*2.49*		"	*2.50*		*100*	*75-130*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*55-130*			
Laboratory Control Sample Dup (7J18035-BSD2)				Prepared & Analyzed: 10/18/07						
Gasoline Range Organics (C4-C12)	496	50	ug/l	500		99	55-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.71*		"	*2.50*		*108*	*60-150*			
Surrogate: Dibromofluoromethane	*2.64*		"	*2.50*		*106*	*75-130*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.69*		"	*2.50*		*108*	*55-130*			
Matrix Spike (7J18035-MS1)	**Source: MQJ0464-01**			Prepared & Analyzed: 10/18/07						
Gasoline Range Organics (C4-C12)	526	50	ug/l	550	66.0	84	25-150			
Surrogate: 1,2-Dichloroethane-d4	*2.70*		"	*2.50*		*108*	*60-150*			
Surrogate: Dibromofluoromethane	*2.78*		"	*2.50*		*111*	*75-130*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.57*		"	*2.50*		*103*	*55-130*			
Matrix Spike Dup (7J18035-MSD1)	**Source: MQJ0464-01**			Prepared & Analyzed: 10/18/07						
Gasoline Range Organics (C4-C12)	514	50	ug/l	550	66.0	81	25-150	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.57*		"	*2.50*		*103*	*60-150*			
Surrogate: Dibromofluoromethane	*2.74*		"	*2.50*		*110*	*75-130*			
Surrogate: Toluene-d8	*2.51*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.59*		"	*2.50*		*104*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J19009 - EPA 5030B P/T / LUFT GCMS										
Blank (7J19009-BLK1)				Prepared & Analyzed: 10/19/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*3.07*		"	*2.50*		*123*	*65-135*			
Surrogate: Dibromofluoromethane	*2.77*		"	*2.50*		*111*	*80-120*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98*	*65-120*			
Laboratory Control Sample (7J19009-BS2)				Prepared & Analyzed: 10/19/07						
Gasoline Range Organics (C4-C12)	504	50	ug/l	500		101	55-130			
Surrogate: 1,2-Dichloroethane-d4	*2.86*		"	*2.50*		*114*	*65-135*			
Surrogate: Dibromofluoromethane	*2.67*		"	*2.50*		*107*	*80-120*			
Surrogate: Toluene-d8	*2.47*		"	*2.50*		*99*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*65-120*			
Laboratory Control Sample Dup (7J19009-BSD2)				Prepared & Analyzed: 10/19/07						
Surrogate: 1,2-Dichloroethane-d4	*2.93*		*ug/l*	*2.50*		*117*	*65-135*			
Surrogate: Dibromofluoromethane	*2.65*		"	*2.50*		*106*	*80-120*			
Surrogate: Toluene-d8	*2.48*		"	*2.50*		*99*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*65-120*			
Matrix Spike (7J19009-MS1)	**Source: MQJ0497-01**			Prepared & Analyzed: 10/19/07						
Gasoline Range Organics (C4-C12)	566	50	ug/l	550	100	85	25-150			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*65-135*			
Surrogate: Dibromofluoromethane	*2.73*		"	*2.50*		*109*	*80-120*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*65-120*			
Matrix Spike Dup (7J19009-MSD1)	**Source: MQJ0497-01**			Prepared & Analyzed: 10/19/07						
Gasoline Range Organics (C4-C12)	557	50	ug/l	550	100	83	25-150	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*65-135*			
Surrogate: Dibromofluoromethane	*2.80*		"	*2.50*		*112*	*80-120*			
Surrogate: Toluene-d8	*2.59*		"	*2.50*		*104*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*65-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J24013 - EPA 5030B P/T / LUFT GCMS										
Blank (7J24013-BLK1)				Prepared & Analyzed: 10/24/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*3.00*		"	*2.50*		*120*	*65-135*			
Surrogate: Dibromofluoromethane	*2.77*		"	*2.50*		*111*	*80-120*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.40*		"	*2.50*		*96*	*65-120*			
Laboratory Control Sample (7J24013-BS2)				Prepared & Analyzed: 10/24/07						
Gasoline Range Organics (C4-C12)	405	50	ug/l	500		81	55-130			
Surrogate: 1,2-Dichloroethane-d4	*2.60*		"	*2.50*		*104*	*65-135*			
Surrogate: Dibromofluoromethane	*2.67*		"	*2.50*		*107*	*80-120*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.53*		"	*2.50*		*101*	*65-120*			
Laboratory Control Sample Dup (7J24013-BSD2)				Prepared & Analyzed: 10/24/07						
Gasoline Range Organics (C4-C12)	402	50	ug/l	500		80	55-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.83*		"	*2.50*		*113*	*65-135*			
Surrogate: Dibromofluoromethane	*2.67*		"	*2.50*		*107*	*80-120*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.54*		"	*2.50*		*102*	*65-120*			
Matrix Spike (7J24013-MS1)	**Source: MQJ0711-01**			Prepared & Analyzed: 10/24/07						
Gasoline Range Organics (C4-C12)	496	50	ug/l	550	45.6	82	25-150			
Surrogate: 1,2-Dichloroethane-d4	*2.68*		"	*2.50*		*107*	*65-135*			
Surrogate: Dibromofluoromethane	*2.82*		"	*2.50*		*113*	*80-120*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.45*		"	*2.50*		*98*	*65-120*			
Matrix Spike Dup (7J24013-MSD1)	**Source: MQJ0711-01**			Prepared & Analyzed: 10/24/07						
Gasoline Range Organics (C4-C12)	490	50	ug/l	550	45.6	81	25-150	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.76*		"	*2.50*		*110*	*65-135*			
Surrogate: Dibromofluoromethane	*2.92*		"	*2.50*		*117*	*80-120*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*65-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K07011 - EPA 5030B P/T / LUFT GCMS										
Blank (7K07011-BLK1)				Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*60-150*			
Surrogate: Dibromofluoromethane	*2.36*		"	*2.50*		*94*	*75-130*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.38*		"	*2.50*		*95*	*55-130*			
Laboratory Control Sample (7K07011-BS2)				Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	439	50	ug/l	500		88	55-130			
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-150*			
Surrogate: Dibromofluoromethane	*2.33*		"	*2.50*		*93*	*75-130*			
Surrogate: Toluene-d8	*2.58*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.57*		"	*2.50*		*103*	*55-130*			
Laboratory Control Sample Dup (7K07011-BSD2)				Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	429	50	ug/l	500		86	55-130	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.27*		"	*2.50*		*91*	*60-150*			
Surrogate: Dibromofluoromethane	*2.32*		"	*2.50*		*93*	*75-130*			
Surrogate: Toluene-d8	*2.57*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.49*		"	*2.50*		*100*	*55-130*			
Matrix Spike (7K07011-MS1)	**Source: MQK0093-02**			Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	513	50	ug/l	550	146	67	25-150			
Surrogate: 1,2-Dichloroethane-d4	*2.42*		"	*2.50*		*97*	*60-150*			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-130*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.65*		"	*2.50*		*106*	*55-130*			
Matrix Spike Dup (7K07011-MSD1)	**Source: MQK0093-02**			Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	503	50	ug/l	550	146	65	25-150	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-150*			
Surrogate: Dibromofluoromethane	*2.50*		"	*2.50*		*100*	*75-130*			
Surrogate: Toluene-d8	*2.58*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.60*		"	*2.50*		*104*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J18035 - EPA 5030B P/T / EPA 8260B										
Blank (7J18035-BLK1)				Prepared & Analyzed: 10/18/07						
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	*2.81*		"	*2.50*		*112*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.92*		"	*2.50*		*117*	*65-135*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.43*		"	*2.50*		*97*	*65-120*			
Laboratory Control Sample (7J18035-BS1)				Prepared & Analyzed: 10/18/07						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	75-125			
Benzene	9.11	0.50	"	10.0		91	75-120			
tert-Butyl alcohol	182	20	"	200		91	80-120			
Di-isopropyl ether	9.40	0.50	"	10.0		94	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	75-130			
1,2-Dichloroethane	9.66	0.50	"	10.0		97	65-130			
Ethanol	161	300	"	200		81	50-150			
Ethyl tert-butyl ether	9.61	0.50	"	10.0		96	75-130			
Ethylbenzene	9.54	0.50	"	10.0		95	80-125			
Methyl tert-butyl ether	9.94	0.50	"	10.0		99	80-130			
Toluene	9.67	0.50	"	10.0		97	80-120			
Xylenes (total)	28.8	0.50	"	30.0		96	80-125			
Surrogate: Dibromofluoromethane	*2.62*		"	*2.50*		*105*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*65-135*			
Surrogate: Toluene-d8	*2.51*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*98*	*65-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J18035 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7J18035-MS1)	**Source: MQJ0464-01**			Prepared & Analyzed: 10/18/07						
tert-Amyl methyl ether	13.1	0.50	ug/l	10.0	ND	131	75-140			
Benzene	9.30	0.50	"	10.0	ND	93	80-120			
tert-Butyl alcohol	203	20	"	200	11.4	96	80-125			
Di-isopropyl ether	9.48	0.50	"	10.0	ND	95	75-135			
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	65-145			
Ethanol	140	300	"	200	ND	70	50-150			
Ethyl tert-butyl ether	10.1	0.50	"	10.0	ND	101	80-135			
Ethylbenzene	9.85	0.50	"	10.0	ND	98	75-130			
Methyl tert-butyl ether	74.2	0.50	"	10.0	61.8	124	75-145			
Toluene	9.82	0.50	"	10.0	ND	98	80-125			
Xylenes (total)	29.8	0.50	"	30.0	ND	100	75-125			
Surrogate: Dibromofluoromethane	*2.78*		"	*2.50*		*111*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.70*		"	*2.50*		*108*	*65-135*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.57*		"	*2.50*		*103*	*65-120*			
Matrix Spike Dup (7J18035-MSD1)	**Source: MQJ0464-01**			Prepared & Analyzed: 10/18/07						
tert-Amyl methyl ether	12.9	0.50	ug/l	10.0	ND	129	75-140	2	25	
Benzene	9.13	0.50	"	10.0	ND	91	80-120	2	20	
tert-Butyl alcohol	200	20	"	200	11.4	94	80-125	1	25	
Di-isopropyl ether	9.28	0.50	"	10.0	ND	93	75-135	2	25	
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0	ND	107	80-135	2	30	
1,2-Dichloroethane	10.4	0.50	"	10.0	ND	104	65-145	2	25	
Ethanol	144	300	"	200	ND	72	50-150	3	25	
Ethyl tert-butyl ether	9.79	0.50	"	10.0	ND	98	80-135	3	25	
Ethylbenzene	9.83	0.50	"	10.0	ND	98	75-130	0.2	20	
Methyl tert-butyl ether	71.0	0.50	"	10.0	61.8	92	75-145	4	25	
Toluene	9.70	0.50	"	10.0	ND	97	80-125	1	25	
Xylenes (total)	29.2	0.50	"	30.0	ND	98	75-125	2	20	
Surrogate: Dibromofluoromethane	*2.74*		"	*2.50*		*110*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.57*		"	*2.50*		*103*	*65-135*			
Surrogate: Toluene-d8	*2.51*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.59*		"	*2.50*		*104*	*65-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J19009 - EPA 5030B P/T / EPA 8260B										
Blank (7J19009-BLK1)				Prepared & Analyzed: 10/19/07						
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	*2.77*		"	*2.50*		*111*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*3.07*		"	*2.50*		*123*	*65-135*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98*	*65-120*			
Laboratory Control Sample (7J19009-BS1)				Prepared & Analyzed: 10/19/07						
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0		104	75-125			
Benzene	9.51	0.50	"	10.0		95	75-120			
tert-Butyl alcohol	197	20	"	200		98	80-120			
Di-isopropyl ether	9.43	0.50	"	10.0		94	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0		110	75-130			
1,2-Dichloroethane	11.0	0.50	"	10.0		110	65-130			
Ethanol	136	300	"	200		68	50-150			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	75-130			
Ethylbenzene	10.2	0.50	"	10.0		102	80-125			
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	80-130			
Toluene	10.2	0.50	"	10.0		102	80-120			
Xylenes (total)	31.1	0.50	"	30.0		104	80-125			
Surrogate: Dibromofluoromethane	*2.81*		"	*2.50*		*112*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.69*		"	*2.50*		*108*	*65-135*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.54*		"	*2.50*		*102*	*65-120*			

TestAmerica
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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J19009 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (7J19009-BSD1)				Prepared & Analyzed: 10/19/07						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0		102	75-125	2	25	
Benzene	9.46	0.50	"	10.0		95	75-120	0.5	20	
tert-Butyl alcohol	195	20	"	200		98	80-120	0.6	25	
Di-isopropyl ether	9.48	0.50	"	10.0		95	70-130	0.5	25	
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0		105	75-130	5	30	
1,2-Dichloroethane	11.0	0.50	"	10.0		110	65-130	0.7	25	
Ethanol	168	300	"	200		84	50-150	21	25	
Ethyl tert-butyl ether	10.0	0.50	"	10.0		100	75-130	0.9	25	
Ethylbenzene	9.95	0.50	"	10.0		100	80-125	3	20	
Methyl tert-butyl ether	10.6	0.50	"	10.0		106	80-130	3	25	
Toluene	9.91	0.50	"	10.0		99	80-120	3	25	
Xylenes (total)	29.8	0.50	"	30.0		99	80-125	4	20	
Surrogate: Dibromofluoromethane	*2.78*		"	*2.50*		*111*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.74*		"	*2.50*		*110*	*65-135*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.51*		"	*2.50*		*100*	*65-120*			
Matrix Spike (7J19009-MS1)	**Source: MQJ0497-01**			Prepared & Analyzed: 10/19/07						
tert-Amyl methyl ether	10.7	0.50	ug/l	10.0	ND	107	75-140			
Benzene	10.4	0.50	"	10.0	0.340	101	80-120			
tert-Butyl alcohol	199	20	"	200	ND	100	80-125			
Di-isopropyl ether	10.9	0.50	"	10.0	0.530	104	75-135			
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0	ND	110	80-135			
1,2-Dichloroethane	10.3	0.50	"	10.0	ND	103	65-145			
Ethanol	200	300	"	200	ND	100	50-150			
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	80-135			
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-130			
Methyl tert-butyl ether	10.7	0.50	"	10.0	0.140	106	75-145			
Toluene	10.6	0.50	"	10.0	0.130	104	80-125			
Xylenes (total)	31.3	0.50	"	30.0	ND	104	75-125			
Surrogate: Dibromofluoromethane	*2.73*		"	*2.50*		*109*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*65-135*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*65-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J19009 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (7J19009-MSD1)	**Source: MQJ0497-01**			Prepared & Analyzed: 10/19/07						
tert-Amyl methyl ether	10.5	0.50	ug/l	10.0	ND	105	75-140	2	25	
Benzene	10.2	0.50	"	10.0	0.340	98	80-120	3	20	
tert-Butyl alcohol	203	20	"	200	ND	101	80-125	2	25	
Di-isopropyl ether	10.8	0.50	"	10.0	0.530	103	75-135	1	25	
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0	ND	105	80-135	5	30	
1,2-Dichloroethane	10.3	0.50	"	10.0	ND	103	65-145	0	25	
Ethanol	164	300	"	200	ND	82	50-150	20	25	
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	80-135	0.7	25	
Ethylbenzene	10.2	0.50	"	10.0	ND	102	75-130	2	20	
Methyl tert-butyl ether	10.5	0.50	"	10.0	0.140	104	75-145	2	25	
Toluene	10.4	0.50	"	10.0	0.130	102	80-125	2	25	
Xylenes (total)	31.1	0.50	"	30.0	ND	104	75-125	0.6	20	
Surrogate: Dibromofluoromethane	*2.80*		"	*2.50*		*112*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*65-135*			
Surrogate: Toluene-d8	*2.59*		"	*2.50*		*104*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*65-120*			
Batch 7J24013 - EPA 5030B P/T / EPA 8260B										
Blank (7J24013-BLK1)				Prepared & Analyzed: 10/24/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.77*		"	*2.50*		*111*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*3.00*		"	*2.50*		*120*	*65-135*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.40*		"	*2.50*		*96*	*65-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J24013 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7J24013-BS1)				Prepared & Analyzed: 10/24/07						
tert-Amyl methyl ether	9.50	0.50	ug/l	10.0		95	75-125			
Benzene	9.13	0.50	"	10.0		91	75-120			
tert-Butyl alcohol	198	20	"	200		99	80-120			
Di-isopropyl ether	9.27	0.50	"	10.0		93	70-130			
1,2-Dibromoethane (EDB)	9.94	0.50	"	10.0		99	75-130			
1,2-Dichloroethane	9.61	0.50	"	10.0		96	65-130			
Ethanol	203	300	"	200		102	50-150			
Ethyl tert-butyl ether	9.31	0.50	"	10.0		93	75-130			
Ethylbenzene	9.80	0.50	"	10.0		98	80-125			
Methyl tert-butyl ether	9.72	0.50	"	10.0		97	80-130			
Toluene	9.64	0.50	"	10.0		96	80-120			
Xylenes (total)	30.0	0.50	"	30.0		100	80-125			
Surrogate: Dibromofluoromethane	*2.56*		"	*2.50*		*102*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.40*		"	*2.50*		*96*	*65-135*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*98*	*65-120*			
Laboratory Control Sample Dup (7J24013-BSD1)				Prepared & Analyzed: 10/24/07						
tert-Amyl methyl ether	9.57	0.50	ug/l	10.0		96	75-125	0.7	25	
Benzene	9.14	0.50	"	10.0		91	75-120	0.1	20	
tert-Butyl alcohol	193	20	"	200		97	80-120	3	25	
Di-isopropyl ether	9.53	0.50	"	10.0		95	70-130	3	25	
1,2-Dibromoethane (EDB)	10.1	0.50	"	10.0		101	75-130	1	30	
1,2-Dichloroethane	9.54	0.50	"	10.0		95	65-130	0.7	25	
Ethanol	179	300	"	200		90	50-150	13	25	
Ethyl tert-butyl ether	9.34	0.50	"	10.0		93	75-130	0.3	25	
Ethylbenzene	9.16	0.50	"	10.0		92	80-125	7	20	
Methyl tert-butyl ether	9.61	0.50	"	10.0		96	80-130	1	25	
Toluene	9.38	0.50	"	10.0		94	80-120	3	25	
Xylenes (total)	28.3	0.50	"	30.0		94	80-125	6	20	
Surrogate: Dibromofluoromethane	*2.63*		"	*2.50*		*105*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.43*		"	*2.50*		*97*	*60-150*			
Surrogate: Toluene-d8	*2.51*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7J24013 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7J24013-MS1)	**Source: MQJ0711-01**			Prepared & Analyzed: 10/24/07						
tert-Amyl methyl ether	9.85	0.50	ug/l	10.0	ND	98	75-140			
Benzene	15.6	0.50	"	10.0	7.29	83	80-120			
tert-Butyl alcohol	212	20	"	200	22.6	94	80-125			
Di-isopropyl ether	9.34	0.50	"	10.0	0.140	92	75-135			
1,2-Dibromoethane (EDB)	10.3	0.50	"	10.0	ND	103	80-135			
1,2-Dichloroethane	10.4	0.50	"	10.0	ND	104	65-145			
Ethanol	179	300	"	200	ND	90	50-150			
Ethyl tert-butyl ether	9.62	0.50	"	10.0	ND	96	80-135			
Ethylbenzene	12.2	0.50	"	10.0	2.90	92	75-130			
Methyl tert-butyl ether	12.2	0.50	"	10.0	1.93	102	75-145			
Toluene	11.3	0.50	"	10.0	1.75	96	80-125			
Xylenes (total)	33.2	0.50	"	30.0	4.33	96	75-125			
Surrogate: Dibromofluoromethane	*2.82*		"	*2.50*		*113*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.68*		"	*2.50*		*107*	*65-135*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.45*		"	*2.50*		*98*	*65-120*			
Matrix Spike Dup (7J24013-MSD1)	**Source: MQJ0711-01**			Prepared & Analyzed: 10/24/07						
tert-Amyl methyl ether	10.0	0.50	ug/l	10.0	ND	100	75-140	2	25	
Benzene	15.7	0.50	"	10.0	7.29	84	80-120	1	20	
tert-Butyl alcohol	214	20	"	200	22.6	95	80-125	0.9	25	
Di-isopropyl ether	9.24	0.50	"	10.0	0.140	91	75-135	1	25	
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0	ND	105	80-135	2	30	
1,2-Dichloroethane	10.8	0.50	"	10.0	ND	108	65-145	4	25	
Ethanol	158	300	"	200	ND	79	50-150	13	25	
Ethyl tert-butyl ether	9.64	0.50	"	10.0	ND	96	80-135	0.2	25	
Ethylbenzene	12.2	0.50	"	10.0	2.90	93	75-130	0.7	20	
Methyl tert-butyl ether	12.1	0.50	"	10.0	1.93	102	75-145	0.2	25	
Toluene	11.3	0.50	"	10.0	1.75	95	80-125	0.4	25	
Xylenes (total)	32.6	0.50	"	30.0	4.33	94	75-125	2	20	
Surrogate: Dibromofluoromethane	*2.92*		"	*2.50*		*117*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.76*		"	*2.50*		*110*	*65-135*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*65-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0464
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0028	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/08/07 06:19

Notes and Definitions

CL	Initial analysis within holding time but required dilution
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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:	1030	Temp:	70's
Off-site Time:	1430	Temp:	80's
Sky Conditions:	Clear		
Meteorological Events:	-		
Wind Speed:	-	Direction	

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

BP/AR Facility No.:	2111
BP/AR Facility Address:	1156 Davis Street, San Leandro
Site Lat/Long:	
California Global ID No.:	T0600101764
Enfos Project No.:	G0C28-0028
Provision or OOC (circle one)	Provision
Phase/WBS:	04-Monitoring
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	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: MQJ04604

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	Full 8260 Requested Analysis: GRO/BTEX	5 Oxy's*	1,2-DCA	EDB	Ethanol	Sample Point Lat/Long and Comments
1	MW-1	1345	10/11		X			3				X		X	X	X	X	X	
2	MW-2	1235						6											
3	MW-3	1410						3											
4	MW-4	1140						3											
5	MW-5	1116						3											
6	MW-7	1208						3											
7	MW-8	1330						3											
8																			
9	TB-2111-10112007	1045						2											HOLD
10																			

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

Sampler's Name:	David DeMello
Sampler's Company:	STRATUS ENVIRONMENTAL
Shipment Date:	10-11-07
Shipment Method:	-
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time
David DeMello/Stratus	101107	1636
	10/11	1630
	10-11	2000

Accepted By / Affiliation	Date	Time
	10/11/07	1635
	10-11	1730
Christy Medina TAMH	10/11/07	2000

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

Custody Seals In Place: Yes / (No) | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 3.4 °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: MQJ0464

DATE REC'D AT LAB: 10/11/07
TIME REC'D AT LAB: 2000
DATE LOGGED IN: 10/12/07

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:	3.4°C								
Correction Factor:	0°C								
Corrected Temp:	3.4°C								
Is corrected temp. 0-6°C?	(Yes) / No**								

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

see COC 10/11/07 A.M.

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

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATIONS

Electronic Submittal Information

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**4Q07 GEO_WELL 2111**
Facility Global ID:	**T0600101764**
Facility Name:	**ARCO #2111**
Submittal Date/Time:	**1/11/2008 11:39:47 AM**
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Confirmation Number: 3399355590
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Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: 4Q07 GW Monitoring
Submittal Type: GW Monitoring 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
3399355590	4Q07 GW Monitoring	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	1/11/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	4
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	5
METHOD HOLDING TIME VIOLATIONS	5
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: 6887431085
Date/Time of Submittal: 1/11/2008 11:41:55 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 1007
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
6887431085	Monthly System Sampling 1007	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	1/11/2008	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	8260FA,SW8015B
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
- SW8015B REQUIRES ETBE TO BE TESTED
- SW8015B REQUIRES TAME TO BE TESTED
- SW8015B REQUIRES DIPE TO BE TESTED
- SW8015B REQUIRES TBA TO BE TESTED
- SW8015B REQUIRES DCA12 TO BE TESTED
- SW8015B 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: 2433292567
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Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 1007 2
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
2433292567	Monthly System Sampling 1007 2	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	1/11/2008	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: 9109633207
Date/Time of Submittal: 1/11/2008 11:55:11 AM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 1007
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
9109633207	Monthly System Sampling 1007	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	1/11/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

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

METHOD QA/QC REPORT

METHODS USED	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	
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: 4761008501
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Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 1107
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
4761008501	Monthly System Sampling 1107	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	1/11/2008	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,SW8015B
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
- SW8015B REQUIRES ETBE TO BE TESTED
- SW8015B REQUIRES TAME TO BE TESTED
- SW8015B REQUIRES DIPE TO BE TESTED
- SW8015B REQUIRES TBA 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	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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Submittal Title: Monthly System Sampling 1107 2
Submittal Type: Soil & Water Investigation Report

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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
4221581935	Monthly System Sampling 1107 2	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	1/11/2008	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: 2968047797
Date/Time of Submittal: 1/11/2008 12:17:30 PM
Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 1207
Submittal Type: Soil & Water Investigation Report

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Regional Board - Case #: 01-1903
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ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
2968047797	Monthly System Sampling 1207	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	1/11/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

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

METHOD QA/QC REPORT

METHODS USED	8260FA,SW8015B
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
- SW8015B REQUIRES ETBE TO BE TESTED
- SW8015B REQUIRES TAME TO BE TESTED
- SW8015B REQUIRES DIPE TO BE TESTED
- SW8015B REQUIRES TBA 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	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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Facility Global ID: T0600101764
Facility Name: ARCO #2111
Submittal Title: Monthly System Sampling 1207 2
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
6432738184	Monthly System Sampling 1207 2	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	1/11/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
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

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

November 7, 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 Kiran Nagaraju / Jay Johnson

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

On-Site Supplier Representatives: Chris Hill and Martin Morgan

Number of Site Visits: 4 (October 1, 11, 23, and 30, 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 October 1, 2007.

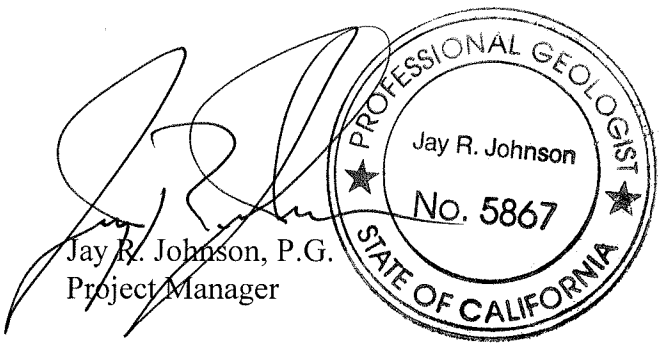
Variations from Scope of Work: The remediation systems were shutdown on October 1, 2007, after sampling, pending receipt and verification of analytical results. Since MTBE (0.61 mg/m^3) was reported in the effluent air sample collected on October 1, 2007, it was re-sampled on October 11, 2007 and the remediation systems were shutdown on October 11, 2007 pending receipt and verification of analytical results for the effluent air sample. Petroleum hydrocarbons and fuel oxygenates were below laboratory reporting limits in the effluent air sample collected on October 11, 2007. The remediation systems were re-started on October 23, 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.

Sonia Nandi
for
Kiran Nagaraju
Staff Engineer



Jay R. Johnson, P.G.
Project Manager

Attachments:

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

CC: Paul Supple, BP/ARCO

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

ORIGINAL

Date: 10-1-07
Onsite Time: 0500
Offsite Time: 0515

Technician: CHILL
Weather Conditions: Clouds
Ambient Temperature: 53

System Status Upon Arrival: ☐ Operational ☒ Non-operational Restart
System Status At Departure: ☒ Operational ☒ Non-operational
Transfer Pump: ☒ Operational ☒ Non-operational WAIT FOR LAB Results

Transfer Pump Hour Meter Reading: NA

Effluent Flow Totalizer Reading: 592403

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 7

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH: 7.69
Temperature: 17.9

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		3535			

Sampling Information

Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	10107 0605	02111MW2WINF	10107 0606
02111ASWINF	0610		
02111ASWEFF	0612		
02111WGAC1	0604		
02111WEFF	0602		

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

Notes:

Signature: [signature] Date: 10-1-07

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

ORIGINAL

Date: 10-1-07
Onsite Time: 0900
Offsite Time: 0913
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clouds
Ambient Temperature: 55

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒ Restart
System Status Upon Departure: Operational ☒ Non-Operational ☒
Electric Meter Reading: 467861
Turn off meter for Lab
Hour Meter Reading: 1466.1
Totalizer Reading Prior to Air Stripper: 593919
PID Calibration Date: 10-1-07
Totalizer Reading After Air Stripper: 608310

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	4171	2505			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			190		
Applied Vacuum, "wc	30"/46	.28	NA	NA	
Temperature, deg F	162	132	112		
PID Readings, ppmv	584	33	920	6	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	16					
V-2	50	14					
V-3	50	15					
MW-1	100	14					
MW-3	100	15					
MW-7	100	15					
MW8	100	15					

Signature:
Date: 10-1-07

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	10107 0652	02111AGAC1	10107 0645
02111ASAEFF	0650	02111AEFF	0640
02111ASYSINF	0643		
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: 10-1-03

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

ORIGINAL

Date: 10-11-07
Onsite Time: 0815
Offsite Time: 0845
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:
Collect EFF Air Samp E
Hour Meter Reading: 1467
Totalizer Reading Prior to Air Stripper: 594901
PID Calibration Date:
Totalizer Reading After Air Stripper: 609330

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: 10/10/07

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

FOR ORIGINAL

Sampling Information (monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEAINF		02111AGAC1	
02111ASAEFF		02111AEFF	101107 0530
02111ASYSINF			
Analyses Required: GRO, BTEX, and MTBE			

Operation & Maintenance Notes
Sample EFF Carbon Air

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: 101107

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

ORIGINAL

Date: 10/11/07
Onsite Time: 0815
Offsite Time: 0845

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature 50

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

Transfer Pump Hour Meter Reading: _____

Effluent Flow Totalizer Reading: _____

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): _____

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: _____ Date: 10/11/07

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

ORIGINAL

Date: 10/23/07
Onsite Time: 0500
Offsite Time: 0615
Equipment Manufacturer/Model#

Technician: M W Morgan
Weather Conditions: clear
Ambient Temperature: 50's

System Information

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

Electric Meter Reading: 34,810
Hour Meter Reading: 1467.8
Totalizer Reading Prior to Air Stripper: 594901
PID Calibration Date:
Totalizer Reading After Air Stripper: 609334

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			4		
Air Flow Rate, cfm			270		
Applied Vacuum, "wc			NA	NA	
Temperature, deg F			68		
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: 10/23/07

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	NC	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: 10/23/07

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

Date: 10/23/07 Technician: _____

Onsite Time: _____ Weather Conditions: _____

Offsite Time: _____ Ambient Temperature _____

System Status Upon Arrival: ☐ Operational ☒ Non-operational

System Status At Departure: ☒ Operational ☐ Non-operational

Transfer Pump: ☒ Operational ☐ Non-operational

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: _____

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: _____ Date: _____

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

ORIGINAL

Date: 10-30-07
Onsite Time: 0710
Offsite Time: 0815
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Clouds
Ambient Temperature: 50

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒ High Tank
System Status Upon Departure: Operational ☒ Non-Operational ☐
Electric Meter Reading: 45836
Hour Meter Reading: 1468
Totalizer Reading Prior to Air Stripper: 594997
PID Calibration Date: 10-29-07
Totalizer Reading After Air Stripper: 609750

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		2520			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			200		
Applied Vacuum, "wc	20"Hg	-28	NA	NA	
Temperature, deg F	84	110			
PID Readings, ppmv	262	4	60	~~8~~	PID for GAC-1: ~~8~~

Other Readings/Measurements

Well ID	% Open	Applied Vac., "Hg	Total depth, feet bgs	Stinger Depth, feet bgs			
V-1	25	18					
V-2	25	18					
V-3	~~25~~	~~18~~					
MW-1	100	18					
MW-3	100	20					
MW-7	~~100~~	~~18~~					
MW8	50	15					

Signature: [signature]
Date: 103007

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

ORIGINAL

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

Operation & Maintenance Notes

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

Signature: _____ Date: 10/30/07

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

ORIGINAL

Date: 10 30 07
Onsite Time: 0710
Offsite Time: 0815

Technician: CHILL
Weather Conditions: Clouds
Ambient Temperature 50

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

Transfer Pump Hour Meter Reading: NA
Effluent Flow Totalizer Reading: 593647
No. of Carbon Vessels: 2
Lead Carbon Vessel Pressure (psi): 8

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

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		3646			

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: 10 30 07

Page 1 of 1

ORIGINAL

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: 55
Off-site Time:	Temp:
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:

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	0652	10/1/07			x		2						x	x	x		x	
2	02111ASAEFF	0656				x		2						x	x	x		x	
3	02111ASYSINF	0643				x		2						x	x	x		x	
4	02111AGAC1	0645				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.		10/1/07	1130	JWEN. / TAMH	10/1/07	1130
Shipment Date: 10-1-07						
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: 0500	Temp: 55
Off-site Time:	Temp:
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:

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	02111DPEWINF	0645	10/7		x			3				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0610			x			3				X		x	x	x		x	
3	02111ASWEFF	0612			x			3				X		x	x	x		x	
4	02111WGAC1	0604			x			3				X		x	x	x		x	
5	02111WEFF	0600			x			3				X		x	x	x	x		
6	02111MW2WINF	0615			x			3				X		x	x	x		x	
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.		10/07	1130	JULIEN. / TAMH	10/8/07 1130
Shipment Date: 10/07					
Shipment Method: Status					
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

17 October, 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: MQJ0005

Enclosed are the results of analyses for samples received by the laboratory on 10/01/07 11:30. 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
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	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQJ0005-01	Vapor	10/01/07 06:52	10/01/07 11:30
02111ASAEFF	MQJ0005-02	Vapor	10/01/07 06:50	10/01/07 11:30
02111ASYSINF	MQJ0005-03	Vapor	10/01/07 06:43	10/01/07 11:30
02111AGAC1	MQJ0005-04	Vapor	10/01/07 06:45	10/01/07 11:30
02111AEFF	MQJ0005-05	Vapor	10/01/07 06:40	10/01/07 11:30

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.

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	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

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 (MQJ0005-01) Vapor	**Sampled: 10/01/07 06:52**		**Received: 10/01/07 11:30**						
Methyl tert-butyl ether	**18**	0.50	mg/m³ Air	1	7J02006	10/02/07	10/02/07 14:44	EPA 8260B	
Benzene	**2.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**5.3**	0.50	"	"	"	"	"	"	
Xylenes (total)	**11**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*88 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*80-120*		"	"	"	"	
Benzene	**0.72**	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	**1.2**	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.1**	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	**2.5**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*88 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*80-120*		"	"	"	"	
02111ASAEFF (MQJ0005-02) Vapor	**Sampled: 10/01/07 06:50**		**Received: 10/01/07 11:30**						
Methyl tert-butyl ether	**2.6**	0.50	mg/m³ Air	1	7J02006	10/02/07	10/02/07 15:15	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.72**	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*60-135*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

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
02111ASAEFF (MQJ0005-02) Vapor Sampled: 10/01/07 06:50 Received: 10/01/07 11:30									
Surrogate: Dibromofluoromethane		*97 %*	*75-120*		*7J02006*	*10/02/07*	*10/02/07 15:15*	*EPA 8260B*	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
02111ASYSINF (MQJ0005-03) Vapor Sampled: 10/01/07 06:43 Received: 10/01/07 11:30									
Methyl tert-butyl ether	**14**	0.50	mg/m³ Air	1	7J02006	10/02/07	10/02/07 15:46	EPA 8260B	
Benzene	**1.2**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.6**	0.50	"	"	"	"	"	"	
Xylenes (total)	**5.2**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*99 %*	*80-120*		"	"	"	"	
Benzene	**0.38**	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	**0.59**	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.9**	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	**1.2**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*99 %*	*80-120*		"	"	"	"	
02111AGAC1 (MQJ0005-04) Vapor Sampled: 10/01/07 06:45 Received: 10/01/07 11:30									
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7J02006	10/02/07	10/02/07 16:17	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

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
02111AGAC1 (MQJ0005-04) Vapor Sampled: 10/01/07 06:45 Received: 10/01/07 11:30									
Toluene	ND	0.13	ppmv	1	7J02006	10/02/07	10/02/07 16:17	EPA 8260B	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
02111AEFF (MQJ0005-05) Vapor Sampled: 10/01/07 06:40 Received: 10/01/07 11:30									
Methyl tert-butyl ether	**2.2**	0.50	mg/m³ Air	1	7J02006	10/02/07	10/02/07 12:39	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.61**	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*80-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

Purgeable Hydrocarbons by EPA 8015B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQJ0005-01) Vapor	**Sampled: 10/01/07 06:52**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	**2200**	200	mg/m³ Air	20	7J02003	10/02/07	10/02/07 12:03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*97 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**630**	49	ppmv	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*70-125*		"	"	"	"	
02111ASAEFF (MQJ0005-02) Vapor	**Sampled: 10/01/07 06:50**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7J02003	10/02/07	10/02/07 12:40	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-125*		"	"	"	"	
02111ASYSINF (MQJ0005-03) Vapor	**Sampled: 10/01/07 06:43**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	**1300**	100	mg/m³ Air	10	7J02003	10/02/07	10/02/07 13:09	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**380**	24	ppmv	10	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-125*		"	"	"	"	
02111AGAC1 (MQJ0005-04) Vapor	**Sampled: 10/01/07 06:45**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7J02003	10/02/07	10/02/07 13:45	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
02111AEFF (MQJ0005-05) Vapor	**Sampled: 10/01/07 06:40**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7J02003	10/02/07	10/02/07 11:33	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

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 7J02006 - EPA 5030B P/T / EPA 8260B										
Blank (7J02006-BLK1)				Prepared & Analyzed: 10/02/07						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Ethylbenzene	ND	0.12	ppmv							
Methyl tert-butyl ether	ND	0.14	"							
Toluene	ND	0.13	"							
Xylenes (total)	ND	0.12	"							
Surrogate: 1,2-Dichloroethane-d4	*2.65*		*mg/m³ Air*	*2.50*		*106*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.629*		*ppmv*	*0.594*		*106*	*60-125*			
Surrogate: 4-Bromofluorobenzene	*2.36*		*mg/m³ Air*	*2.50*		*94*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*0.330*		*ppmv*	*0.349*		*94*	*60-135*			
Surrogate: Dibromofluoromethane	*0.307*		*"*	*0.318*		*96*	*75-120*			
Surrogate: Dibromofluoromethane	*2.41*		*mg/m³ Air*	*2.50*		*96*	*75-120*			
Surrogate: Toluene-d8	*2.38*		*"*	*2.50*		*95*	*80-120*			
Surrogate: Toluene-d8	*0.633*		*ppmv*	*0.665*		*95*	*80-120*			
Laboratory Control Sample (7J02006-BS1)				Prepared & Analyzed: 10/02/07						
Methyl tert-butyl ether	10.6	0.50	mg/m³ Air	10.0		106	50-140			
Benzene	3.53	0.16	ppmv	3.14		113	75-120			
Benzene	11.3	0.50	mg/m³ Air	10.0		113	75-120			
Toluene	11.0	0.50	"	10.0		110	75-120			
Ethylbenzene	11.4	0.50	"	10.0		114	75-120			
Xylenes (total)	33.2	0.50	"	30.0		111	75-130			
Ethylbenzene	2.64	0.12	ppmv	2.31		114	75-120			
Methyl tert-butyl ether	2.94	0.14	"	2.78		106	50-140			
Toluene	2.93	0.13	"	2.66		110	75-120			
Xylenes (total)	7.66	0.12	"	6.92		111	75-130			
Surrogate: 1,2-Dichloroethane-d4	*2.51*		*mg/m³ Air*	*2.50*		*100*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.596*		*ppmv*	*0.594*		*100*	*60-125*			
Surrogate: 4-Bromofluorobenzene	*2.39*		*mg/m³ Air*	*2.50*		*96*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*0.334*		*ppmv*	*0.349*		*96*	*60-135*			
Surrogate: Dibromofluoromethane	*2.39*		*mg/m³ Air*	*2.50*		*96*	*75-120*			
Surrogate: Dibromofluoromethane	*0.304*		*ppmv*	*0.318*		*96*	*75-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

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 7J02006 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7J02006-BS1)				Prepared & Analyzed: 10/02/07						
Surrogate: Toluene-d8	*2.36*		*mg/m³ Air*	*2.50*		*94*	*80-120*			
Surrogate: Toluene-d8	*0.627*		*ppmv*	*0.665*		*94*	*80-120*			
Laboratory Control Sample Dup (7J02006-BSD1)				Prepared & Analyzed: 10/02/07						
Methyl tert-butyl ether	9.86	0.50	mg/m³ Air	10.0		99	50-140	7	25	
Benzene	3.18	0.16	ppmv	3.14		102	75-120	10	20	
Benzene	10.2	0.50	mg/m³ Air	10.0		102	75-120	10	20	
Toluene	9.93	0.50	"	10.0		99	75-120	10	25	
Ethylbenzene	10.4	0.50	"	10.0		104	75-120	10	20	
Xylenes (total)	30.3	0.50	"	30.0		101	75-130	9	20	
Ethylbenzene	2.39	0.12	ppmv	2.31		104	75-120	10	20	
Methyl tert-butyl ether	2.74	0.14	"	2.78		99	50-140	7	25	
Toluene	2.64	0.13	"	2.66		99	75-120	10	25	
Xylenes (total)	7.00	0.12	"	6.92		101	75-130	9	20	
Surrogate: 1,2-Dichloroethane-d4	*2.50*		*mg/m³ Air*	*2.50*		*100*	*60-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.594*		*ppmv*	*0.594*		*100*	*60-125*			
Surrogate: 4-Bromofluorobenzene	*2.38*		*mg/m³ Air*	*2.50*		*95*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*0.333*		*ppmv*	*0.349*		*95*	*60-135*			
Surrogate: Dibromofluoromethane	*2.54*		*mg/m³ Air*	*2.50*		*102*	*75-120*			
Surrogate: Dibromofluoromethane	*0.324*		*ppmv*	*0.318*		*102*	*75-120*			
Surrogate: Toluene-d8	*2.39*		*mg/m³ Air*	*2.50*		*96*	*80-120*			
Surrogate: Toluene-d8	*0.635*		*ppmv*	*0.665*		*96*	*80-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

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 7J02003 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7J02003-BLK1)				Prepared & Analyzed: 10/02/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	12	ppmv							
Surrogate: 4-Bromofluorobenzene	*5.14*		*"*	*5.59*		*92*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*36.8*		*mg/m³ Air*	*40.0*		*92*	*70-125*			
Laboratory Control Sample (7J02003-BS1)				Prepared & Analyzed: 10/02/07						
Gasoline Range Organics (C4-C12)	64.5	12	ppmv	78.0		83	70-115			
Gasoline Range Organics (C4-C12)	227	50	mg/m³ Air	275		83	70-115			
Surrogate: 4-Bromofluorobenzene	*37.9*		*"*	*40.0*		*95*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.29*		*ppmv*	*5.59*		*95*	*70-125*			
Laboratory Control Sample Dup (7J02003-BSD1)				Prepared & Analyzed: 10/02/07						
Gasoline Range Organics (C4-C12)	238	50	mg/m³ Air	275		87	70-115	5	20	
Gasoline Range Organics (C4-C12)	67.5	12	ppmv	78.0		87	70-115	5	20	
Surrogate: 4-Bromofluorobenzene	*38.0*		*mg/m³ Air*	*40.0*		*95*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.31*		*ppmv*	*5.59*		*95*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0005
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 15:23

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: 55
Off-site Time:	Temp:
Sky Conditions:	
Metcorological 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: MQJ0005

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	0652	10/1/07			x	01	2				HCl		x	x	x		x	
2	02111ASAEFF	0650				x	02	2				HCl		x	x	x		x	
3	02111ASYSINF	0643				x	03	2				HCl		x	x	x		x	
4	02111AGAC1	0645				x	04	2				HCl		x	x	x		x	
5	02111AEFF	0640				x	05	2				HCl		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.		10/1/07	1130	JULIE N. / TAMH	10/1/07	1130
Shipment Date: 10-1-07						
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
REC. BY (PRINT) JULIE N.
WORKORDER: MQT0005

DATE REC'D AT LAB: 10/01/07
TIME REC'D AT LAB: 1130
DATE LOGGED IN: 10/01/07

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: — Correction Factor: — Corrected Temp: — Is corrected temp. 0-6°C? Yes / No**								
**Exception (if any): METALS / DFF ON ICE or Problem COC								

Julie N. 10/01/07 for ace

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

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19 October, 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: MQJ0009

Enclosed are the results of analyses for samples received by the laboratory on 10/01/07 11:30. 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	MQJ0009
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEWINF	MQJ0009-01	Water	10/01/07 06:15	10/01/07 11:30
02111ASWINF	MQJ0009-02	Water	10/01/07 06:10	10/01/07 11:30
02111ASWEFF	MQJ0009-03	Water	10/01/07 06:12	10/01/07 11:30
02111WGAC1	MQJ0009-04	Water	10/01/07 06:04	10/01/07 11:30
02111WEFF	MQJ0009-05	Water	10/01/07 06:00	10/01/07 11:30
02111MW2WINF	MQJ0009-06	Water	10/01/07 06:18	10/01/07 11:30

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	MQJ0009
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

Purgeable Hydrocarbons by EPA 8015B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQJ0009-01) Water	**Sampled: 10/01/07 06:15**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	**1000**	100	ug/l	2	7J02009	10/02/07	10/02/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*122 %*	*75-125*		"	"	"	"	
02111ASWINF (MQJ0009-02) Water	**Sampled: 10/01/07 06:10**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	**500**	100	ug/l	2	7J02009	10/02/07	10/02/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*113 %*	*75-125*		"	"	"	"	
02111ASWEFF (MQJ0009-03) Water	**Sampled: 10/01/07 06:12**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	**60**	50	ug/l	1	7J02009	10/02/07	10/02/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*132 %*	*75-125*		"	"	"	"	*LH,AY*
02111WGAC1 (MQJ0009-04) Water	**Sampled: 10/01/07 06:04**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J02009	10/02/07	10/02/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*109 %*	*75-125*		"	"	"	"	
02111WEFF (MQJ0009-05RE1) Water	**Sampled: 10/01/07 06:00**		**Received: 10/01/07 11:30**						**PC**
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7J02009	10/02/07	10/02/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	
02111MW2WINF (MQJ0009-06) Water	**Sampled: 10/01/07 06:18**		**Received: 10/01/07 11:30**						
Gasoline Range Organics (C4-C12)	**670**	500	ug/l	10	7J02009	10/02/07	10/02/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*108 %*	*75-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0009
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQJ0009-01) Water	**Sampled: 10/01/07 06:15**		**Received: 10/01/07 11:30**						
tert-Amyl methyl ether	ND	5.0	ug/l	10	7J12002	10/11/07	10/12/07	EPA 8260B	
Benzene	**30**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1400**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**9.1**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**790**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*60-135*		"	"	"	"	
02111ASWINF (MQJ0009-02) Water	**Sampled: 10/01/07 06:10**		**Received: 10/01/07 11:30**						
tert-Amyl methyl ether	ND	5.0	ug/l	10	7J12002	10/11/07	10/12/07	EPA 8260B	
Benzene	**6.9**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**940**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**9.1**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**540**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**20**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*	*60-135*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWEFF (MQJ0009-03) Water Sampled: 10/01/07 06:12 Received: 10/01/07 11:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7J12002	10/11/07	10/12/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**970**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**71**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82 %*	*60-135*		"	"	"	"	
02111WGAC1 (MQJ0009-04) Water Sampled: 10/01/07 06:04 Received: 10/01/07 11:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7J12002	10/11/07	10/12/07	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		*100 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80 %*	*60-135*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WEFF (MQJ0009-05) Water Sampled: 10/01/07 06:00 Received: 10/01/07 11:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7J02005	10/02/07	10/02/07	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		*102 %*	*60-125*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83 %*	*60-135*		"	"	"	"	
02111MW2WINF (MQJ0009-06) Water Sampled: 10/01/07 06:18 Received: 10/01/07 11:30									
tert-Amyl methyl ether	ND	5.0	ug/l	10	7J12002	10/11/07	10/12/07	EPA 8260B	
Benzene	**7.5**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**980**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**13**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**580**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**29**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*70-130*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82 %*	*60-135*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

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 7J02009 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7J02009-BLK1)				Prepared & Analyzed: 10/02/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*43.7*		"	*40.0*		*109*	*75-125*			
Laboratory Control Sample (7J02009-BS1)				Prepared & Analyzed: 10/02/07						
Gasoline Range Organics (C4-C12)	250	50	ug/l	275		91	60-115			
Surrogate: 4-Bromofluorobenzene	*45.2*		"	*40.0*		*113*	*75-125*			
Matrix Spike (7J02009-MS1)	**Source: MQJ0009-04**			Prepared & Analyzed: 10/02/07						
Gasoline Range Organics (C4-C12)	215	50	ug/l	275	ND	78	60-115			
Surrogate: 4-Bromofluorobenzene	*44.3*		"	*40.0*		*111*	*75-125*			
Matrix Spike Dup (7J02009-MSD1)	**Source: MQJ0009-04**			Prepared & Analyzed: 10/02/07						
Gasoline Range Organics (C4-C12)	212	50	ug/l	275	ND	77	60-115	2	20	
Surrogate: 4-Bromofluorobenzene	*44.6*		"	*40.0*		*112*	*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	10/19/07 16:11

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 7J02005 - EPA 5030B P/T / EPA 8260B										
Blank (7J02005-BLK1)				Prepared & Analyzed: 10/02/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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	*2.48*		"	*2.50*		*99*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.70*		"	*2.50*		*108*	*60-125*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.10*		"	*2.50*		*84*	*60-135*			
Laboratory Control Sample (7J02005-BS1)				Prepared & Analyzed: 10/02/07						
tert-Amyl methyl ether	10.3	0.50	ug/l	10.0		103	65-135			
Benzene	9.68	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	184	20	"	200		92	60-135			
Di-isopropyl ether	9.98	0.50	"	10.0		100	70-130			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	65-130			
Ethylbenzene	10.4	0.50	"	10.0		104	75-120			
Methyl tert-butyl ether	10.4	0.50	"	10.0		104	50-140			
Toluene	9.70	0.50	"	10.0		97	75-120			
Xylenes (total)	31.8	0.50	"	30.0		106	75-130			
Surrogate: Dibromofluoromethane	*2.51*		"	*2.50*		*100*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*60-125*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*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	MQJ0009
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

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 7J02005 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7J02005-MS1)	**Source: MQJ0004-05**			Prepared & Analyzed: 10/02/07						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0	ND	102	65-135			
Benzene	9.80	0.50	"	10.0	ND	98	75-120			
tert-Butyl alcohol	186	20	"	200	ND	93	60-135			
Di-isopropyl ether	10.4	0.50	"	10.0	ND	104	70-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0	ND	103	65-130			
Ethylbenzene	10.2	0.50	"	10.0	ND	102	75-120			
Methyl tert-butyl ether	10.2	0.50	"	10.0	ND	102	50-140			
Toluene	10.0	0.50	"	10.0	0.140	99	75-120			
Xylenes (total)	31.5	0.50	"	30.0	0.340	104	75-130			
Surrogate: Dibromofluoromethane	*2.58*		"	*2.50*		*103*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*60-125*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.47*		"	*2.50*		*99*	*60-135*			
Matrix Spike Dup (7J02005-MSD1)	**Source: MQJ0004-05**			Prepared & Analyzed: 10/02/07						
tert-Amyl methyl ether	10.9	0.50	ug/l	10.0	ND	109	65-135	7	25	
Benzene	10.0	0.50	"	10.0	ND	100	75-120	3	20	
tert-Butyl alcohol	191	20	"	200	ND	96	60-135	3	25	
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	70-130	4	25	
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	65-130	5	25	
Ethylbenzene	10.7	0.50	"	10.0	ND	107	75-120	4	20	
Methyl tert-butyl ether	11.1	0.50	"	10.0	ND	111	50-140	8	25	
Toluene	10.2	0.50	"	10.0	0.140	101	75-120	2	25	
Xylenes (total)	33.0	0.50	"	30.0	0.340	109	75-130	5	20	
Surrogate: Dibromofluoromethane	*2.60*		"	*2.50*		*104*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.60*		"	*2.50*		*104*	*60-125*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*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	MQJ0009
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

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 7J12002 - EPA 5030B P/T / EPA 8260B										
Blank (7J12002-BLK1)				Prepared & Analyzed: 10/12/07						
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	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.39*		"	*2.50*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.04*		"	*2.50*		*82*	*60-135*			
Laboratory Control Sample (7J12002-BS1)				Prepared & Analyzed: 10/12/07						
tert-Amyl methyl ether	10.8	0.50	ug/l	10.0		108	65-135			
Benzene	9.91	0.50	"	10.0		99	75-120			
tert-Butyl alcohol	187	20	"	200		93	60-135			
Di-isopropyl ether	10.1	0.50	"	10.0		101	70-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	65-130			
Ethylbenzene	10.1	0.50	"	10.0		101	75-120			
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	50-140			
Toluene	10.4	0.50	"	10.0		104	75-120			
Xylenes (total)	32.6	0.50	"	30.0		108	75-130			
Surrogate: Dibromofluoromethane	*2.70*		"	*2.50*		*108*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.59*		"	*2.50*		*104*	*70-130*			
Surrogate: Toluene-d8	*2.58*		"	*2.50*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.53*		"	*2.50*		*101*	*60-135*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0009
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

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 7J12002 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7J12002-MS1)	**Source: MQJ0009-03**			Prepared & Analyzed: 10/12/07						
tert-Amyl methyl ether	12.2	0.50	ug/l	10.0	0.260	120	65-135			
Benzene	9.48	0.50	"	10.0	ND	95	75-120			
tert-Butyl alcohol	1180	20	"	200	974	104	60-135			
Di-isopropyl ether	10.1	0.50	"	10.0	ND	101	70-130			
Ethyl tert-butyl ether	10.4	0.50	"	10.0	ND	104	65-130			
Ethylbenzene	9.08	0.50	"	10.0	ND	91	75-120			
Methyl tert-butyl ether	84.3	0.50	"	10.0	70.6	137	50-140			
Toluene	9.94	0.50	"	10.0	ND	99	75-120			
Xylenes (total)	28.0	0.50	"	30.0	0.120	93	75-130			
Surrogate: Dibromofluoromethane	*2.78*		"	*2.50*		*111*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.79*		"	*2.50*		*112*	*70-130*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-135*			
Matrix Spike Dup (7J12002-MSD1)	**Source: MQJ0009-03**			Prepared & Analyzed: 10/12/07						
tert-Amyl methyl ether	11.5	0.50	ug/l	10.0	0.260	113	65-135	6	25	
Benzene	9.70	0.50	"	10.0	ND	97	75-120	2	20	
tert-Butyl alcohol	1170	20	"	200	974	98	60-135	1	25	
Di-isopropyl ether	10.2	0.50	"	10.0	ND	102	70-130	1	25	
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	65-130	2	25	
Ethylbenzene	9.27	0.50	"	10.0	ND	93	75-120	2	20	
Methyl tert-butyl ether	82.0	0.50	"	10.0	70.6	114	50-140	3	25	
Toluene	10.0	0.50	"	10.0	ND	100	75-120	1	25	
Xylenes (total)	29.0	0.50	"	30.0	0.120	96	75-130	3	20	
Surrogate: Dibromofluoromethane	*2.74*		"	*2.50*		*110*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*2.74*		"	*2.50*		*110*	*70-130*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*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	MQJ0009
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/19/07 16:11

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
PC	Sample taken from VOA vial with air bubble > 6mm diameter
LH,AY	Surrogate recovery above the acceptance limits. Matrix interference suspected.
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: 55
Off-site Time:	Temp:
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: MQJ0009

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	02111DPEWINF (EW)	0945	10/1/07		x		01	3				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0610			x		02	3				X		x	x	x		x	
3	02111ASWEFF	0612			x		03	3				X		x	x	x		x	
4	02111WGAC1	0604			x		04	3				X		x	x	x		x	
5	02111WEFF	0600			x		05	3				X		x	x	x	x		
6	02111MW2WINF	0615			x		06	3				X		x	x	x		x	
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.	[signature] Stratus	10/1/07	1130	JULIEN. / TAMH	10/1/07	1130
Shipment Date: 10/1/07						
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: Y °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TEST AMERICA SAMPLE RECEIPT LOG

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

DATE REC'D AT LAB: 10/01/07
TIME REC'D AT LAB: 1130
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 #:	— (0)								
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: 7.8°C Correction Factor: -0°C Corrected Temp: 7.8°C Is corrected temp. 0-6°C? Yes / No**									
**Exception (if any): METALS / (OFF) ON ICE or Problem COC									

Julie N 10/01/07 per coc

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

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17 October, 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: MQJ0451

Enclosed are the results of analyses for samples received by the laboratory on 10/12/07 10:19. 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	MQJ0451
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 12:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111AEFF	MQJ0451-01	Vapor	10/11/07 08:30	10/12/07 10:19

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	MQJ0451
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 12:45

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AEFF (MQJ0451-01) Vapor	**Sampled: 10/11/07 08:30**		**Received: 10/12/07 10:19**						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air	1	7J12008	10/12/07	10/12/07 19:01	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*80-120*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	14	ppmv	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*80-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0451
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 12:45

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 (MQJ0451-01) Vapor Sampled: 10/11/07 08:30 Received: 10/12/07 10:19									
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7J12008	10/12/07	10/12/07 19:01	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*80-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*	*60-135*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-120*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*80-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0451
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 12:45

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 7J12008 - EPA 5030B P/T / LUFT GCMS										
Blank (7J12008-BLK1)			Prepared & Analyzed: 10/12/07							
Gasoline Range Organics (C4-C12)	ND	14	ppmv							
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Surrogate: 1,2-Dichloroethane-d4	*0.551*		*ppmv*	*0.594*		*93*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.32*		*mg/m³ Air*	*2.50*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.302*		*ppmv*	*0.349*		*86*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*2.16*		*mg/m³ Air*	*2.50*		*86*	*60-135*			
Surrogate: Dibromofluoromethane	*2.29*		*"*	*2.50*		*92*	*75-120*			
Surrogate: Dibromofluoromethane	*0.292*		*ppmv*	*0.318*		*92*	*75-120*			
Surrogate: Toluene-d8	*0.625*		*"*	*0.665*		*94*	*80-120*			
Surrogate: Toluene-d8	*2.35*		*mg/m³ Air*	*2.50*		*94*	*80-120*			
Laboratory Control Sample (7J12008-BS2)			Prepared & Analyzed: 10/12/07							
Gasoline Range Organics (C4-C12)	130	14	ppmv	142		92	65-120			
Gasoline Range Organics (C4-C12)	458	50	mg/m³ Air	500		92	65-120			
Surrogate: 1,2-Dichloroethane-d4	*2.50*		*"*	*2.50*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.594*		*ppmv*	*0.594*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.344*		*"*	*0.349*		*98*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*2.46*		*mg/m³ Air*	*2.50*		*98*	*60-135*			
Surrogate: Dibromofluoromethane	*0.298*		*ppmv*	*0.318*		*94*	*75-120*			
Surrogate: Dibromofluoromethane	*2.34*		*mg/m³ Air*	*2.50*		*94*	*75-120*			
Surrogate: Toluene-d8	*0.638*		*ppmv*	*0.665*		*96*	*80-120*			
Surrogate: Toluene-d8	*2.40*		*mg/m³ Air*	*2.50*		*96*	*80-120*			
Laboratory Control Sample Dup (7J12008-BSD2)			Prepared & Analyzed: 10/12/07							
Gasoline Range Organics (C4-C12)	135	14	ppmv	142		95	65-120	3	20	
Gasoline Range Organics (C4-C12)	474	50	mg/m³ Air	500		95	65-120	3	20	
Surrogate: 1,2-Dichloroethane-d4	*2.19*		*"*	*2.50*		*88*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.520*		*ppmv*	*0.594*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		*mg/m³ Air*	*2.50*		*93*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*0.324*		*ppmv*	*0.349*		*93*	*60-135*			
Surrogate: Dibromofluoromethane	*0.308*		*"*	*0.318*		*97*	*75-120*			
Surrogate: Dibromofluoromethane	*2.42*		*mg/m³ Air*	*2.50*		*97*	*75-120*			
Surrogate: Toluene-d8	*0.665*		*ppmv*	*0.665*		*100*	*80-120*			
Surrogate: Toluene-d8	*2.50*		*mg/m³ Air*	*2.50*		*100*	*80-120*			

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0451
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 12:45

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 7J12008 - EPA 5030B P/T / EPA 8260B										
Blank (7J12008-BLK1)				Prepared & Analyzed: 10/12/07						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Ethylbenzene	ND	0.12	ppmv							
Methyl tert-butyl ether	ND	0.14	"							
Toluene	ND	0.13	"							
Xylenes (total)	ND	0.12	"							
Surrogate: 1,2-Dichloroethane-d4	*2.32*		*mg/m³ Air*	*2.50*		*93*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.551*		*ppmv*	*0.594*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.16*		*mg/m³ Air*	*2.50*		*86*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*0.302*		*ppmv*	*0.349*		*86*	*60-135*			
Surrogate: Dibromofluoromethane	*2.29*		*mg/m³ Air*	*2.50*		*92*	*75-120*			
Surrogate: Dibromofluoromethane	*0.292*		*ppmv*	*0.318*		*92*	*75-120*			
Surrogate: Toluene-d8	*2.35*		*mg/m³ Air*	*2.50*		*94*	*80-120*			
Surrogate: Toluene-d8	*0.625*		*ppmv*	*0.665*		*94*	*80-120*			
Laboratory Control Sample (7J12008-BS1)				Prepared & Analyzed: 10/12/07						
Methyl tert-butyl ether	10.8	0.50	mg/m³ Air	10.0		108	50-140			
Benzene	3.16	0.16	ppmv	3.14		101	75-120			
Benzene	10.1	0.50	mg/m³ Air	10.0		101	75-120			
Toluene	9.50	0.50	"	10.0		95	75-120			
Ethylbenzene	9.85	0.50	"	10.0		98	75-120			
Xylenes (total)	29.4	0.50	"	30.0		98	75-130			
Ethylbenzene	2.27	0.12	ppmv	2.31		98	75-120			
Methyl tert-butyl ether	3.01	0.14	"	2.78		108	50-140			
Toluene	2.53	0.13	"	2.66		95	75-120			
Xylenes (total)	6.78	0.12	"	6.92		98	75-130			
Surrogate: 1,2-Dichloroethane-d4	*2.40*		*mg/m³ Air*	*2.50*		*96*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.570*		*ppmv*	*0.594*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.31*		*mg/m³ Air*	*2.50*		*92*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*0.323*		*ppmv*	*0.349*		*92*	*60-135*			
Surrogate: Dibromofluoromethane	*2.42*		*mg/m³ Air*	*2.50*		*97*	*75-120*			
Surrogate: Dibromofluoromethane	*0.308*		*ppmv*	*0.318*		*97*	*75-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0451
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 12:45

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 7J12008 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7J12008-BS1)				Prepared & Analyzed: 10/12/07						
Surrogate: Toluene-d8	*2.37*		*mg/m³ Air*	*2.50*		*95*	*80-120*			
Surrogate: Toluene-d8	*0.630*		*ppmv*	*0.665*		*95*	*80-120*			
Laboratory Control Sample Dup (7J12008-BSD1)				Prepared & Analyzed: 10/12/07						
Methyl tert-butyl ether	8.91	0.50	mg/m³ Air	10.0		89	50-140	19	25	
Benzene	2.99	0.16	ppmv	3.14		95	75-120	6	20	
Benzene	9.53	0.50	mg/m³ Air	10.0		95	75-120	6	20	
Toluene	9.02	0.50	"	10.0		90	75-120	5	25	
Ethylbenzene	9.95	0.50	"	10.0		100	75-120	1	20	
Xylenes (total)	29.9	0.50	"	30.0		100	75-130	2	20	
Ethylbenzene	2.30	0.12	ppmv	2.31		99	75-120	1	20	
Methyl tert-butyl ether	2.48	0.14	"	2.78		89	50-140	19	25	
Toluene	2.40	0.13	"	2.66		90	75-120	5	25	
Xylenes (total)	6.89	0.12	"	6.92		100	75-130	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.20*		*mg/m³ Air*	*2.50*		*88*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.522*		*ppmv*	*0.594*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.34*		*mg/m³ Air*	*2.50*		*94*	*60-135*			
Surrogate: 4-Bromofluorobenzene	*0.327*		*ppmv*	*0.349*		*94*	*60-135*			
Surrogate: Dibromofluoromethane	*2.29*		*mg/m³ Air*	*2.50*		*92*	*75-120*			
Surrogate: Dibromofluoromethane	*0.292*		*ppmv*	*0.318*		*92*	*75-120*			
Surrogate: Toluene-d8	*2.39*		*mg/m³ Air*	*2.50*		*96*	*80-120*			
Surrogate: Toluene-d8	*0.635*		*ppmv*	*0.665*		*96*	*80-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQJ0451
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	10/17/07 12:45

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: 0815	Temp:
Off-site Time: 0845	Temp:
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: MTBE by 8260	Turnaround Time: 24-hours	Turnaround Time: Standard	Sample Point Lat/Long and Comments
1	~~02111DPEAINF~~					X	MQJ0451							X	X	X		X	
2	~~02111ASAEFF~~					X								X	X	X		X	
3	~~02111ASYSINF~~					X								X	X	X		X	
4	~~02111AGAC1~~					X								X	X	X		X	
5	02111AEFF	0830	10/4			X	01	2						X	X	X	X		
6																			
7																			
8																			
9																			
10																			

Sampler's Name: Chris Hill	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation
Sampler's Company: Stratus Environmental, Inc.		10/10/07	1600	10/12
Shipment Date: 10-11-07				1019
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: ARCO 2111
REC. BY (PRINT) D.V.
WORKORDER: MQJ0451

DATE REC'D AT LAB: 10/19/07
TIME REC'D AT LAB: 1019
DATE LOGGED IN: 10/22/07

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*			see COC 10/22/07 DV					
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:									
Correction Factor:									
Corrected Temp:									
Is corrected temp. 0-6°C?	Yes / No**								
**Exception (if any): METALS / DFF ON ICE or Problem COC	AIR								

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

STRATUS
ENVIRONMENTAL, INC.

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

December 6, 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 Kiran Nagaraju / Jay Johnson

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

On-Site Supplier Representatives: Chris Hill

Number of Site Visits: 3 (November 6, 14, and 20, 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 November 6, 2007.

Variations from Scope of Work: The remediation systems were found non-functioning on November 6, 2007 due to high-water level alarm on the air stripper. The remediation systems were re-started momentarily on November 6, 2007 and shutdown after sampling, pending receipt of analytical results. Upon receipt of analytical results and compliance verification, the remediation systems were re-started on November 14, 2007.

The battery for the totalizer (prior to the air stripper) was found to have malfunctioned during a site visit conducted on November 14, 2007 and the totalizer reading (prior to the air stripper) was reset to zero. The battery was replaced on November 14, 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.

Kiran Nagaraju
Staff Engineer

Jay R. Johnson, P.G.
Project Manager

Attachments:

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

CC: Paul Supple, BP/ARCO

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

ORIGINAL

Date: 11607
Onsite Time: 0930
Offsite Time: 0930
Equipment Manufacturer/Model#

Technician: CHCC
Weather Conditions: Foggy
Ambient Temperature: 50

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒ High water
System Status Upon Departure: Operational ☒ Non-Operational ☒
Electric Meter Reading: 34556 Wait for LAB TO turn ON
Hour Meter Reading: 1500
Totalizer Reading Prior to Air Stripper: 615161 PID Calibration Date: 11507
Totalizer Reading After Air Stripper: 629030

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		3535			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			190		
Applied Vacuum, "wc	23"Hg	.35	NA	NA	
Temperature, deg F		121	95		
PID Readings, ppmv	715	8	263	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	25	15					
V-2	25	15					
V-3	25	15					
MW-1	100	15					
MW-3	100	14					
MW-7	100	15					
MW-5	100	15					

Signature: [signature] Date: 11607

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	11607 0550	02111AGAC1	11607 0557
02111ASAEFF	0553	02111AEFF	0559
02111ASYSINF	0555		
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: 11607

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

ORIGINAL

Date: 11607
Onsite Time: 0436
Offsite Time: 0430

Technician: CHILL
Weather Conditions: clear - Fog
Ambient Temperature 50

System Status Upon Arrival: ☐ Operational ☒ Non-operational High tank
System Status At Departure: ☒ Operational ☒ Non-operational Wait for LAB
Transfer Pump: ☒ Operational ☒ Non-operational

Transfer Pump Hour Meter Reading: _____

Effluent Flow Totalizer Reading: 612552

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 10

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH: 7.99
Temperature: 15.7°C

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		3801			

Sampling Information

Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	11607 0525	02111MW2WINF	11607 0523
02111ASWINF	0521		
02111ASWEFF	0519		
02111WGAC1	0517		
02111WEFF	0514		

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

Notes: Run MW-2 Before Sample

Signature: _____ Date: 11607

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

ORIGINAL

Date: 1/14/07
Onsite Time: 0600
Offsite Time: 0700
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 ☐ Restart
Electric Meter Reading:
Hour Meter Reading: 1500
Totalizer Reading Prior to Air Stripper: Battery Dead Replace Total 71
PID Calibration Date:
Totalizer Reading After Air Stripper: 629220

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	3	4	4	3	
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: 1/14/07

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

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

Signature: _____ Date: 1/14/04

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

ORIGINAL

Date: 11/14/07
Onsite Time: 0600
Offsite Time: 0700

Technician: CHL
Weather Conditions: CLR
Ambient Temperature: _____

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

Transfer Pump Hour Meter Reading: _____

Effluent Flow Totalizer Reading: 612552

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): _____

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: _____ Date: 11/14/07

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

ORIGINAL

Date: 112007
Onsite Time: 0650
Offsite Time: 0800

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 50's

Equipment Manufacturer/Model#

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒ High Tank
System Status Upon Departure: Operational ☒ Non-Operational ☐
Electric Meter Reading: 46621
Hour Meter Reading: 1502
Totalizer Reading Prior to Air Stripper: 1344
PID Calibration Date: 11-19-07
Totalizer Reading After Air Stripper: 630570

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		26			
Air Velocity, FPM		2142			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm	~~150~~		180		
Applied Vacuum, "wc	22"Hg	36	NA	NA	
Temperature, deg F	~~80~~	107	80		
PID Readings, ppmv	791	2.4	382	~~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	12					
V-2	50	11					
V-3	50	11					
MW-1	100	10					
MW-3	100	13					
MW-7	100	12					
MW-5							

Signature: [signature]
Date: 112007

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

ORIGINAL

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

Operation & Maintenance Notes

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

Signature: _____ Date: 1/2007

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

ORIGINAL

Date: 11/2007
Onsite Time: 0650
Offsite Time: 0800

Technician: CHILL
Weather Conditions: Clear
Ambient Temperature: 50

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

Transfer Pump Hour Meter Reading: _____

Effluent Flow Totalizer Reading: 613537

No. of Carbon Vessels: 2

Lead Carbon Vessel Pressure (psi): 8 PSI

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

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		3801			

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: Change water Filters

Signature: _____ Date: 11/2007

ORIGINAL

Page 1 of 1

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: 0430	Temp:
Off-site Time: 0630	Temp:
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.

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 and Comments
	DRW INF																		
1	02111DP[illegible]INF	0525	11/6/07		x			5				HCl		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0521			x			5				HCl		x	x	x		x	
3	02111ASWEFF	0519			x			5				HCl		x	x	x		x	
4	02111WGAC1	0517			x			5				HCl		x	x	x		x	
5	02111WEFF	0514			x			5				HCl		x	x	x	x		
6	02111MW2WINF	0523			x			5				HCl		x	x	x		x	
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.		11/6/07	1145	JULIE N. / TAMH	11/6/07	1145
Shipment Date: 11/6/07						
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: 7.8 °F/(C) | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / No

Page 1 of 1

ORIGINAL

RUSH

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): 24 hours for Effluent & STD for others

On-site Time: 0430	Temp:
Off-site Time: 0630	Temp:
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:

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 -	0552	11/6/07			x		2						x	x	x		x	
2	02111ASAEFF -	0553				x		2						x	x	x		x	
3	02111ASYSINF -	0555				x		2						x	x	x		x	
4	02111AGAC1 -	0557				x		2						x	x	x		x	
5	02111AEFF -	0559				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	Chris Hill Stratus	11607	1145	JULIE N. / TAMH	11/6/07	1145
Sampler's Company:	Stratus Environmental, Inc.						
Shipment Date:	11-6-07						
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
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www.testamericainc.com

20 November, 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: MQK0155

Enclosed are the results of analyses for samples received by the laboratory on 11/06/07 11:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQK0155-01	Vapor	11/06/07 05:50	11/06/07 11:45
02111ASAEFF	MQK0155-02	Vapor	11/06/07 05:53	11/06/07 11:45
02111ASYSINF	MQK0155-03	Vapor	11/06/07 05:55	11/06/07 11:45
02111AGAC1	MQK0155-04	Vapor	11/06/07 05:57	11/06/07 11:45
02111AEFF	MQK0155-05	Vapor	11/06/07 05:59	11/06/07 11:45

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

These samples were received with no custody seals.

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

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 (MQK0155-01) Vapor	**Sampled: 11/06/07 05:50**		**Received: 11/06/07 11:45**						
Methyl tert-butyl ether	**80**	0.50	mg/m³ Air	1	7K07010	11/07/07	11/07/07 15:54	EPA 8260B	
Benzene	**8.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**18**	0.50	"	"	"	"	"	"	
Xylenes (total)	**18**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*75-120*		"	"	"	"	
Benzene	**2.6**	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	**4.0**	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	**22**	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	**4.1**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*75-120*		"	"	"	"	
02111ASAEFF (MQK0155-02) Vapor	**Sampled: 11/06/07 05:53**		**Received: 11/06/07 11:45**						
Methyl tert-butyl ether	**15**	0.50	mg/m³ Air	1	7K07010	11/07/07	11/07/07 16:26	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*75-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.1**	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*55-130*		"	"	"	"	

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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

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
02111ASAEFF (MQK0155-02) Vapor Sampled: 11/06/07 05:53 Received: 11/06/07 11:45									
Surrogate: Dibromofluoromethane		*99 %*	*75-130*		*7K07010*	*11/07/07*	*11/07/07 16:26*	*EPA 8260B*	
Surrogate: Toluene-d8		*96 %*	*75-120*		"	"	"	"	
02111ASYSINF (MQK0155-03) Vapor Sampled: 11/06/07 05:55 Received: 11/06/07 11:45									
Methyl tert-butyl ether	**23**	0.50	mg/m³ Air	1	7K07010	11/07/07	11/07/07 16:59	EPA 8260B	
Benzene	**2.0**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**4.0**	0.50	"	"	"	"	"	"	
Xylenes (total)	**5.3**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*75-120*		"	"	"	"	
Benzene	**0.64**	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	**0.93**	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	**6.4**	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	**1.2**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*75-120*		"	"	"	"	
02111AGAC1 (MQK0155-04) Vapor Sampled: 11/06/07 05:57 Received: 11/06/07 11:45									
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7K07010	11/07/07	11/07/07 17:32	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*75-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

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
02111AGAC1 (MQK0155-04) Vapor Sampled: 11/06/07 05:57 Received: 11/06/07 11:45									
Toluene	ND	0.13	ppmv	1	7K07010	11/07/07	11/07/07 17:32	EPA 8260B	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*75-120*		"	"	"	"	
02111AEFF (MQK0155-05) Vapor Sampled: 11/06/07 05:59 Received: 11/06/07 11:45									
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7K07010	11/06/07	11/07/07 12:03	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*130 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*86 %*	*75-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*130 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*86 %*	*75-120*		"	"	"	"	

TestAmerica
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FAX (408) 782-6308
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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

Purgeable Hydrocarbons by EPA 8015B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQK0155-01) Vapor	**Sampled: 11/06/07 05:50**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	**3600**	500	mg/m³ Air	50	7K07002	11/07/07	11/07/07 13:03	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*99 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**1000**	120	ppmv	50	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*70-125*		"	"	"	"	
02111ASAEFF (MQK0155-02) Vapor	**Sampled: 11/06/07 05:53**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	**13**	10	mg/m³ Air	1	7K07002	11/07/07	11/07/07 13:42	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*95 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**3.7**	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*70-125*		"	"	"	"	
02111ASYSINF (MQK0155-03) Vapor	**Sampled: 11/06/07 05:55**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	**1000**	500	mg/m³ Air	50	7K07002	11/07/07	11/07/07 14:11	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**300**	120	ppmv	50	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
02111AGAC1 (MQK0155-04) Vapor	**Sampled: 11/06/07 05:57**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7K07002	11/07/07	11/07/07 15:30	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
02111AEFF (MQK0155-05) Vapor	**Sampled: 11/06/07 05:59**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7K07002	11/07/07	11/07/07 08:14	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

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 7K07010 - EPA 5030B P/T / EPA 8260B										
Blank (7K07010-BLK1)				Prepared & Analyzed: 11/07/07						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Ethylbenzene	ND	0.12	ppmv							
Methyl tert-butyl ether	ND	0.14	"							
Toluene	ND	0.13	"							
Xylenes (total)	ND	0.12	"							
Surrogate: 1,2-Dichloroethane-d4	*2.55*		*mg/m³ Air*	*2.50*		*102*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.606*		*ppmv*	*0.594*		*102*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*2.33*		*mg/m³ Air*	*2.50*		*93*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*0.326*		*ppmv*	*0.349*		*93*	*55-130*			
Surrogate: Dibromofluoromethane	*0.324*		*"*	*0.318*		*102*	*75-130*			
Surrogate: Dibromofluoromethane	*2.54*		*mg/m³ Air*	*2.50*		*102*	*75-130*			
Surrogate: Toluene-d8	*2.29*		*"*	*2.50*		*92*	*75-120*			
Surrogate: Toluene-d8	*0.609*		*ppmv*	*0.665*		*92*	*75-120*			
Laboratory Control Sample (7K07010-BS1)				Prepared & Analyzed: 11/07/07						
Methyl tert-butyl ether	10.7	0.50	mg/m³ Air	10.0		107	80-130			
Benzene	3.51	0.16	ppmv	3.14		112	75-120			
Benzene	11.2	0.50	mg/m³ Air	10.0		112	75-120			
Toluene	10.9	0.50	"	10.0		109	80-120			
Ethylbenzene	11.4	0.50	"	10.0		114	80-125			
Xylenes (total)	33.3	0.50	"	30.0		111	80-125			
Ethylbenzene	2.62	0.12	ppmv	2.31		114	80-125			
Methyl tert-butyl ether	2.99	0.14	"	2.78		107	80-130			
Toluene	2.90	0.13	"	2.66		109	80-120			
Xylenes (total)	7.67	0.12	"	6.92		111	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.78*		*mg/m³ Air*	*2.50*		*111*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.660*		*ppmv*	*0.594*		*111*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*2.68*		*mg/m³ Air*	*2.50*		*107*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*0.375*		*ppmv*	*0.349*		*107*	*55-130*			
Surrogate: Dibromofluoromethane	*2.49*		*mg/m³ Air*	*2.50*		*100*	*75-130*			
Surrogate: Dibromofluoromethane	*0.317*		*ppmv*	*0.318*		*100*	*75-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

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 7K07010 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7K07010-BS1)				Prepared & Analyzed: 11/07/07						
Surrogate: Toluene-d8	*2.41*		*mg/m³ Air*	*2.50*		*96*	*75-120*			
Surrogate: Toluene-d8	*0.641*		*ppmv*	*0.665*		*96*	*75-120*			
Laboratory Control Sample Dup (7K07010-BSD1)				Prepared & Analyzed: 11/07/07						
Methyl tert-butyl ether	8.31	0.50	mg/m³ Air	10.0		83	80-130	26	25	BA
Benzene	2.98	0.16	ppmv	3.14		95	75-120	16	20	
Benzene	9.51	0.50	mg/m³ Air	10.0		95	75-120	16	20	
Toluene	8.19	0.50	"	10.0		82	80-120	29	25	BA
Ethylbenzene	8.73	0.50	"	10.0		87	80-125	26	20	BA
Xylenes (total)	26.7	0.50	"	30.0		89	80-125	22	20	BA
Ethylbenzene	2.01	0.12	ppmv	2.31		87	80-125	26	20	BA
Methyl tert-butyl ether	2.31	0.14	"	2.78		83	80-130	26	25	BA
Toluene	2.18	0.13	"	2.66		82	80-120	29	25	BA
Xylenes (total)	6.17	0.12	"	6.92		89	80-125	22	20	BA
Surrogate: 1,2-Dichloroethane-d4	*2.61*		*mg/m³ Air*	*2.50*		*104*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.620*		*ppmv*	*0.594*		*104*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*0.305*		*"*	*0.349*		*87*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*2.18*		*mg/m³ Air*	*2.50*		*87*	*55-130*			
Surrogate: Dibromofluoromethane	*0.287*		*ppmv*	*0.318*		*90*	*75-130*			
Surrogate: Dibromofluoromethane	*2.25*		*mg/m³ Air*	*2.50*		*90*	*75-130*			
Surrogate: Toluene-d8	*2.17*		*"*	*2.50*		*87*	*75-120*			
Surrogate: Toluene-d8	*0.577*		*ppmv*	*0.665*		*87*	*75-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

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 7K07002 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7K07002-BLK1)				Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	12	ppmv							
Surrogate: 4-Bromofluorobenzene	*5.09*		*"*	*5.59*		*91*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*36.4*		*mg/m³ Air*	*40.0*		*91*	*70-125*			
Laboratory Control Sample (7K07002-BS1)				Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	61.4	12	ppmv	78.0		79	60-120			
Gasoline Range Organics (C4-C12)	216	50	mg/m³ Air	275		79	60-120			
Surrogate: 4-Bromofluorobenzene	*38.1*		*"*	*40.0*		*95*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.33*		*ppmv*	*5.59*		*95*	*70-125*			
Laboratory Control Sample Dup (7K07002-BSD1)				Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	237	50	mg/m³ Air	275		86	60-120	9	20	
Gasoline Range Organics (C4-C12)	67.4	12	ppmv	78.0		86	60-120	9	20	
Surrogate: 4-Bromofluorobenzene	*38.4*		*mg/m³ Air*	*40.0*		*96*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.36*		*ppmv*	*5.59*		*96*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0155
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 12:41

Notes and Definitions

BA	Relative percent difference out of control
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Page 1 of 1

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

RUSH

Project Name: ARCO Facility No. 2111
BP BU/AR Region/Eufos 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: 0430	Temp:
Off-site Time: 0830	Temp:
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: MRL-0155

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	0550	11/6/07			X	01	2						X	X	X		X	
2	02111ASABFF	0553				X	02	2						X	X	X		X	
3	02111ASYSINF	0555				X	03	2						X	X	X		X	
4	02111AGAC1	0557				X	04	2						X	X	X		X	
5	02111AEFF	0559				X	05	2						X	X	X	X		
6																			
7																			
8																			
9																			
10																			

		Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Chris Hill	Relinquished By / Affiliation	11/6/07	1145	JMIE N. / TAMH	11/6/07	1145
Sampler's Company: Stratus Environmental, Inc.						
Shipment Date: 11-6-07						
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): JULIE N.
WORKORDER: MQK0155

DATE REC'D AT LAB: 11/6/07
TIME REC'D AT LAB: 1145
DATE LOGGED IN: 11/6/07

For Regulatory Purposes?
__ DRINKING WATER
__ WASTE WATER
✓ OTHER AIR

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:	—								
Correction Factor:	—								
Corrected Temp:	—								
Is corrected temp. 0-6°C?	Yes / No**								

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

JULIE N. SEE COC 11/6

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

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20 November, 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: MQK0161

Enclosed are the results of analyses for samples received by the laboratory on 11/06/07 11:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEWINF	MQK0161-01	Water	11/06/07 05:25	11/06/07 11:45
02111ASWINF	MQK0161-02	Water	11/06/07 05:21	11/06/07 11:45
02111ASWEFF	MQK0161-03	Water	11/06/07 05:19	11/06/07 11:45
02111WGAC1	MQK0161-04	Water	11/06/07 05:17	11/06/07 11:45
02111WEFF	MQK0161-05	Water	11/06/07 05:14	11/06/07 11:45
02111MW2WINF	MQK0161-06	Water	11/06/07 05:23	11/06/07 11:45

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

These samples were received with no custody seals.

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

Purgeable Hydrocarbons by EPA 8015B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQK0161-01) Water	**Sampled: 11/06/07 05:25**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	**1100**	500	ug/l	10	7K14002	11/14/07	11/14/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-125*		"	"	"	"	
02111ASWINF (MQK0161-02) Water	**Sampled: 11/06/07 05:21**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	**1100**	500	ug/l	10	7K14002	11/14/07	11/14/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*99 %*	*70-125*		"	"	"	"	
02111ASWEFF (MQK0161-03) Water	**Sampled: 11/06/07 05:19**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	**120**	50	ug/l	1	7K14002	11/14/07	11/14/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*146 %*	*70-125*		"	"	"	"	*LH,AY*
02111WGAC1 (MQK0161-04) Water	**Sampled: 11/06/07 05:17**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7K14002	11/14/07	11/14/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-125*		"	"	"	"	
02111WEFF (MQK0161-05) Water	**Sampled: 11/06/07 05:14**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7K07003	11/07/07	11/07/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-125*		"	"	"	"	
02111MW2WINF (MQK0161-06) Water	**Sampled: 11/06/07 05:23**		**Received: 11/06/07 11:45**						
Gasoline Range Organics (C4-C12)	**1600**	1000	ug/l	20	7K14002	11/14/07	11/14/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQK0161-01) Water	**Sampled: 11/06/07 05:25**		**Received: 11/06/07 11:45**						
tert-Amyl methyl ether	**5.9**	5.0	ug/l	10	7K12013	11/12/07	11/13/07	EPA 8260B	
Benzene	**12**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1100**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**27**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**870**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**39**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*55-130*		"	"	"	"	
02111ASWINF (MQK0161-02) Water	**Sampled: 11/06/07 05:21**		**Received: 11/06/07 11:45**						
tert-Amyl methyl ether	**6.9**	5.0	ug/l	10	7K12013	11/12/07	11/13/07	EPA 8260B	
Benzene	**20**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**1300**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**20**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**920**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**24**	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWEFF (MQK0161-03) Water Sampled: 11/06/07 05:19 Received: 11/06/07 11:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7K12013	11/12/07	11/13/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**1100**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**93**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*55-130*		"	"	"	"	
02111WGAC1 (MQK0161-04) Water Sampled: 11/06/07 05:17 Received: 11/06/07 11:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7K12013	11/12/07	11/13/07	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 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WEFF (MQK0161-05) Water Sampled: 11/06/07 05:14 Received: 11/06/07 11:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7K06011	11/06/07	11/06/07	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		*96 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*95 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*55-130*		"	"	"	"	
02111MW2WINF (MQK0161-06) Water Sampled: 11/06/07 05:23 Received: 11/06/07 11:45									
tert-Amyl methyl ether	ND	10	ug/l	20	7K13006	11/13/07	11/13/07	EPA 8260B	
Benzene	**62**	10	"	"	"	"	"	"	
tert-Butyl alcohol	**2200**	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	**38**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1300**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	**20**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

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 7K07003 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7K07003-BLK1)				Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*83.7*		"	*80.0*		*105*	*70-125*			
Laboratory Control Sample (7K07003-BS1)				Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	238	50	ug/l	275		86	60-120			
Surrogate: 4-Bromofluorobenzene	*79.4*		"	*80.0*		*99*	*70-125*			
Matrix Spike (7K07003-MS1)	**Source: MQJ1082-02**			Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	289	50	ug/l	275	62.7	82	45-135			
Surrogate: 4-Bromofluorobenzene	*79.9*		"	*80.0*		*100*	*70-125*			
Matrix Spike Dup (7K07003-MSD1)	**Source: MQJ1082-02**			Prepared & Analyzed: 11/07/07						
Gasoline Range Organics (C4-C12)	287	50	ug/l	275	62.7	82	45-135	0.6	20	
Surrogate: 4-Bromofluorobenzene	*80.5*		"	*80.0*		*101*	*70-125*			
Batch 7K14002 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7K14002-BLK1)				Prepared & Analyzed: 11/14/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*37.5*		"	*40.0*		*94*	*70-125*			
Laboratory Control Sample (7K14002-BS1)				Prepared & Analyzed: 11/14/07						
Gasoline Range Organics (C4-C12)	236	50	ug/l	275		86	60-120			
Surrogate: 4-Bromofluorobenzene	*41.3*		"	*40.0*		*103*	*70-125*			
Matrix Spike (7K14002-MS1)	**Source: MQK0119-01**			Prepared & Analyzed: 11/14/07						
Gasoline Range Organics (C4-C12)	243	50	ug/l	275	ND	89	45-135			
Surrogate: 4-Bromofluorobenzene	*41.0*		"	*40.0*		*102*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

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 7K14002 - EPA 5030B [P/T] / EPA 8015B-VOA										
Matrix Spike Dup (7K14002-MSD1)	**Source: MQK0119-01**			Prepared & Analyzed: 11/14/07						
Gasoline Range Organics (C4-C12)	235	50	ug/l	275	ND	86	45-135	3	20	
Surrogate: 4-Bromofluorobenzene	*41.1*		"	*40.0*		*103*	*70-125*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K06011 - EPA 5030B P/T / EPA 8260B										
Blank (7K06011-BLK1)				Prepared & Analyzed: 11/06/07						
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	*2.26*		"	*2.50*		*90*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.32*		"	*2.50*		*93*	*60-150*			
Surrogate: Toluene-d8	*2.38*		"	*2.50*		*95*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.33*		"	*2.50*		*93*	*55-130*			
Laboratory Control Sample (7K06011-BS1)				Prepared & Analyzed: 11/06/07						
tert-Amyl methyl ether	10.5	0.50	ug/l	10.0		105	75-125			
Benzene	10.2	0.50	"	10.0		102	75-120			
tert-Butyl alcohol	212	20	"	200		106	80-120			
Di-isopropyl ether	9.97	0.50	"	10.0		100	70-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	75-130			
Ethylbenzene	10.6	0.50	"	10.0		106	80-125			
Methyl tert-butyl ether	10.3	0.50	"	10.0		103	80-130			
Toluene	10.7	0.50	"	10.0		107	80-120			
Xylenes (total)	32.2	0.50	"	30.0		107	80-125			
Surrogate: Dibromofluoromethane	*2.48*		"	*2.50*		*99*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*60-150*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K06011 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7K06011-MS1)	**Source: MQK0146-05**			Prepared & Analyzed: 11/06/07						
tert-Amyl methyl ether	11.7	0.50	ug/l	10.0	ND	117	75-140			
Benzene	10.7	0.50	"	10.0	0.110	106	80-120			
tert-Butyl alcohol	226	20	"	200	ND	113	80-125			
Di-isopropyl ether	10.7	0.50	"	10.0	ND	107	75-135			
Ethyl tert-butyl ether	11.2	0.50	"	10.0	ND	112	80-135			
Ethylbenzene	10.6	0.50	"	10.0	ND	106	75-130			
Methyl tert-butyl ether	11.5	0.50	"	10.0	0.200	113	75-145			
Toluene	10.8	0.50	"	10.0	ND	108	80-125			
Xylenes (total)	32.8	0.50	"	30.0	0.340	108	75-125			
Surrogate: Dibromofluoromethane	*2.57*		"	*2.50*		*103*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.34*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.56*		"	*2.50*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.49*		"	*2.50*		*100*	*55-130*			
Matrix Spike Dup (7K06011-MSD1)	**Source: MQK0146-05**			Prepared & Analyzed: 11/06/07						
tert-Amyl methyl ether	11.9	0.50	ug/l	10.0	ND	119	75-140	2	25	
Benzene	10.8	0.50	"	10.0	0.110	107	80-120	1	20	
tert-Butyl alcohol	223	20	"	200	ND	112	80-125	0.9	25	
Di-isopropyl ether	11.1	0.50	"	10.0	ND	111	75-135	4	25	
Ethyl tert-butyl ether	11.5	0.50	"	10.0	ND	115	80-135	2	25	
Ethylbenzene	10.6	0.50	"	10.0	ND	106	75-130	0.2	20	
Methyl tert-butyl ether	11.7	0.50	"	10.0	0.200	115	75-145	2	25	
Toluene	10.7	0.50	"	10.0	ND	107	80-125	1	25	
Xylenes (total)	32.7	0.50	"	30.0	0.340	108	75-125	0.5	20	
Surrogate: Dibromofluoromethane	*2.54*		"	*2.50*		*102*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.58*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K12013 - EPA 5030B P/T / EPA 8260B										
Blank (7K12013-BLK1)				Prepared & Analyzed: 11/12/07						
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	*2.41*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.67*		"	*2.50*		*107*	*60-150*			
Surrogate: Toluene-d8	*2.34*		"	*2.50*		*94*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.38*		"	*2.50*		*95*	*55-130*			
Laboratory Control Sample (7K12013-BS1)				Prepared & Analyzed: 11/12/07						
tert-Amyl methyl ether	9.42	0.50	ug/l	10.0		94	75-125			
Benzene	10.1	0.50	"	10.0		101	75-120			
tert-Butyl alcohol	171	20	"	200		86	80-120			
Di-isopropyl ether	8.79	0.50	"	10.0		88	70-130			
Ethyl tert-butyl ether	9.16	0.50	"	10.0		92	75-130			
Ethylbenzene	10.8	0.50	"	10.0		108	80-125			
Methyl tert-butyl ether	9.36	0.50	"	10.0		94	80-130			
Toluene	10.5	0.50	"	10.0		105	80-120			
Xylenes (total)	28.0	0.50	"	30.0		93	80-125			
Surrogate: Dibromofluoromethane	*2.36*		"	*2.50*		*94*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-150*			
Surrogate: Toluene-d8	*2.27*		"	*2.50*		*91*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.37*		"	*2.50*		*95*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K12013 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7K12013-MS1)	**Source: MQK0192-01**			Prepared: 11/12/07		Analyzed: 11/13/07				
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0	ND	106	75-140			
Benzene	10.0	0.50	"	10.0	ND	100	80-120			
tert-Butyl alcohol	193	20	"	200	2.87	95	80-125			
Di-isopropyl ether	9.31	0.50	"	10.0	ND	93	75-135			
Ethyl tert-butyl ether	10.1	0.50	"	10.0	ND	101	80-135			
Ethylbenzene	10.9	0.50	"	10.0	ND	109	75-130			
Methyl tert-butyl ether	11.3	0.50	"	10.0	0.260	110	75-145			
Toluene	10.1	0.50	"	10.0	ND	101	80-125			
Xylenes (total)	29.5	0.50	"	30.0	ND	98	75-125			
Surrogate: Dibromofluoromethane	*2.66*		"	*2.50*		*106*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*60-150*			
Surrogate: Toluene-d8	*2.31*		"	*2.50*		*92*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.53*		"	*2.50*		*101*	*55-130*			
Matrix Spike Dup (7K12013-MSD1)	**Source: MQK0192-01**			Prepared: 11/12/07		Analyzed: 11/13/07				
tert-Amyl methyl ether	8.76	0.50	ug/l	10.0	ND	88	75-140	19	25	
Benzene	9.98	0.50	"	10.0	ND	100	80-120	0.6	20	
tert-Butyl alcohol	178	20	"	200	2.87	88	80-125	8	25	
Di-isopropyl ether	9.66	0.50	"	10.0	ND	97	75-135	4	25	
Ethyl tert-butyl ether	10.0	0.50	"	10.0	ND	100	80-135	0.8	25	
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-130	4	20	
Methyl tert-butyl ether	9.69	0.50	"	10.0	0.260	94	75-145	15	25	
Toluene	9.40	0.50	"	10.0	ND	94	80-125	7	25	
Xylenes (total)	31.2	0.50	"	30.0	ND	104	75-125	6	20	
Surrogate: Dibromofluoromethane	*2.55*		"	*2.50*		*102*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.78*		"	*2.50*		*111*	*60-150*			
Surrogate: Toluene-d8	*2.45*		"	*2.50*		*98*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.52*		"	*2.50*		*101*	*55-130*			

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K13006 - EPA 5030B P/T / EPA 8260B										
Blank (7K13006-BLK1)				Prepared & Analyzed: 11/13/07						
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	*2.54*		"	*2.50*		*102*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.95*		"	*2.50*		*118*	*60-150*			
Surrogate: Toluene-d8	*2.87*		"	*2.50*		*115*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.37*		"	*2.50*		*95*	*55-130*			
Laboratory Control Sample (7K13006-BS1)				Prepared & Analyzed: 11/13/07						
tert-Amyl methyl ether	9.60	0.50	ug/l	10.0		96	75-125			
Benzene	9.65	0.50	"	10.0		96	75-120			
tert-Butyl alcohol	167	20	"	200		84	80-120			
Di-isopropyl ether	9.23	0.50	"	10.0		92	70-130			
Ethyl tert-butyl ether	8.74	0.50	"	10.0		87	75-130			
Ethylbenzene	9.40	0.50	"	10.0		94	80-125			
Methyl tert-butyl ether	8.55	0.50	"	10.0		86	80-130			
Toluene	9.59	0.50	"	10.0		96	80-120			
Xylenes (total)	30.6	0.50	"	30.0		102	80-125			
Surrogate: Dibromofluoromethane	*2.38*		"	*2.50*		*95*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.14*		"	*2.50*		*86*	*55-130*			

TestAmerica
ANALYTICAL TESTING CORPORATION

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7K13006 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7K13006-MS1)	**Source: MQK0160-01**			Prepared & Analyzed: 11/13/07						
tert-Amyl methyl ether	10.8	0.50	ug/l	10.0	ND	108	75-140			
Benzene	12.6	0.50	"	10.0	4.55	81	80-120			
tert-Butyl alcohol	211	20	"	200	8.00	102	80-125			
Di-isopropyl ether	9.84	0.50	"	10.0	ND	98	75-135			
Ethyl tert-butyl ether	10.3	0.50	"	10.0	ND	103	80-135			
Ethylbenzene	28.4	0.50	"	10.0	21.9	65	75-130			LN,AY
Methyl tert-butyl ether	123	0.50	"	10.0	102	205	75-145			BB
Toluene	11.0	0.50	"	10.0	1.89	91	80-125			
Xylenes (total)	50.2	0.50	"	30.0	28.4	73	75-125			LN,AY
Surrogate: Dibromofluoromethane	*2.28*		"	*2.50*		*91*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*60-150*			
Surrogate: Toluene-d8	*2.40*		"	*2.50*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.37*		"	*2.50*		*95*	*55-130*			
Matrix Spike Dup (7K13006-MSD1)	**Source: MQK0160-01**			Prepared & Analyzed: 11/13/07						
tert-Amyl methyl ether	11.3	0.50	ug/l	10.0	ND	113	75-140	4	25	
Benzene	14.0	0.50	"	10.0	4.55	95	80-120	11	20	
tert-Butyl alcohol	213	20	"	200	8.00	103	80-125	1	25	
Di-isopropyl ether	10.2	0.50	"	10.0	ND	102	75-135	4	25	
Ethyl tert-butyl ether	9.96	0.50	"	10.0	ND	100	80-135	3	25	
Ethylbenzene	30.2	0.50	"	10.0	21.9	83	75-130	6	20	
Methyl tert-butyl ether	119	0.50	"	10.0	102	167	75-145	3	25	BB
Toluene	10.9	0.50	"	10.0	1.89	90	80-125	0.7	25	
Xylenes (total)	55.4	0.50	"	30.0	28.4	90	75-125	10	20	
Surrogate: Dibromofluoromethane	*2.59*		"	*2.50*		*104*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.66*		"	*2.50*		*106*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.80*		"	*2.50*		*112*	*55-130*			

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www.testamericainc.com

Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQK0161
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/07 13:10

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
LN,AY	MS and/or MSD below acceptance limits. See Blank Spike(LCS). Matrix interference suspected.
LH,AY	Surrogate recovery above the acceptance limits. Matrix interference suspected.
BB	Sample > 4x spike concentration
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Atlantic Richfield Company

by

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: 0430	Temp:
Off-site Time: 0630	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

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

Consultant/Contractor: Stratus Environmental, Inc.	
Address: 3330 Cameron Park Drive, Suite 550	
Cameron Park, CA 95682	
Consultant/Contractor Project No.: E2111-03	
Consultant/Contractor PM: Jay Johnson	
Tele/Fax: (530) 676-6000 / (530) 676-6005	
Report Type & QC Level: Level 1 with EDF	
E-mail EDD To: shayes@stratusinc.net	
Invoice to: Atlantic Richfield Co.	

Lab Bottle Order No: MQK0061

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 Pair and Comments
1	02111DP~~EW~~INF	0523	11/3		x		01	5				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0529			x		02	5				X		x	x	x		x	
3	02111ASWEFF	0519			x		03	5				X		x	x	x		x	
4	02111WGAC1	0517			x		04	5				X		x	x	x		x	
5	02111WEFF	0514			x		05	5				X		x	x	x	x		
6	02111MW2WINF	0523			x		06	5				X		x	x	x		x	
7																			
8																			
9																			
10																			

		Date	Time		Date	Time
Sampler's Name: Chris Hill	Relinquished By / Affiliation	11/6/07	1445	Accepted By / Affiliation	11/6/07	1445
Sampler's Company: Stratus Environmental, Inc.						
Shipment Date: 11/6/07						
Shipment Method: Shuttle						
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: 7.8 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP COC Rev. 5, 10/11/2006

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO (211)
REC. BY (PRINT): JULIE N.
WORKORDER: MQK0161

DATE REC'D AT LAB: 11/6/07
TIME REC'D AT LAB: 1145
DATE LOGGED IN: 11/6/07

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*								
2. Chain-of-Custody	Present / Absent*								
3. Traffic Reports or Packing List:	Present / Absent								
4. Airbill:	Airbill / Sticker Present / Absent								
5. Airbill #:									
6. Sample Labels:	Present / Absent								
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody								
8. Sample Condition:	Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	**Yes / No***								
10. Sample received within hold time?	Yes / No*								
11. Adequate sample volume received?	Yes / No*								
12. Proper preservatives used?	Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No*								
14. Read Temp:	8.8°C								
Correction Factor:	-1.0°C								
Corrected Temp:	7.8°C								
Is corrected temp. 0-6°C?	Yes / No**								

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

SAMPLERECEIPTLOG
Main 9 (10/26/07)

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

STRATUS
ENVIRONMENTAL, INC.

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

January 8, 2008

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 Kiran Nagaraju / Jay Johnson

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

On-Site Supplier Representatives: Chris Hill

Number of Site Visits: 2 (December 5 and 17, 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 December 5, 2007.

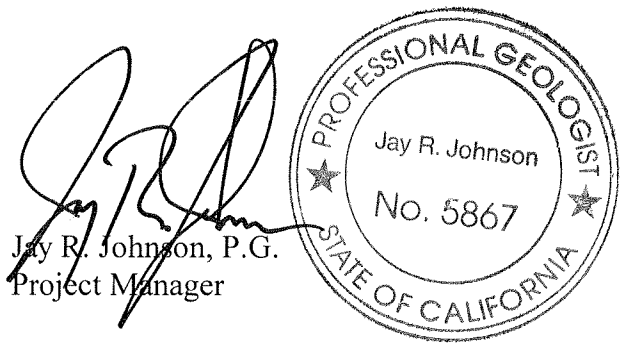
Variations from Scope of Work: The remediation systems were found non-functioning on December 5, 2007 due to high-water level alarm on the air stripper. The remediation systems were re-started momentarily on December 5, 2007 and shutdown after sampling, pending receipt of analytical results. Upon receipt of analytical results and compliance verification, the remediation systems were re-started on December 17, 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.

Kiran Nagaraju
Staff Engineer



Jay R. Johnson, P.G.
Project Manager

Attachments:

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

CC: Paul Supple, BP/ARCO

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

ORIGINAL

Date: 12507
Onsite Time: 0900
Offsite Time: 0930
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Cloudy
Ambient Temperature: 45

System Information

System Status Upon Arrival: Operational ☐ Non-Operational ☒ High Tank
System Status Upon Departure: Operational ☐ Non-Operational ☒ waiting for sample results
Electric Meter Reading:
Hour Meter Reading: 1544
Totalizer Reading Prior to Air Stripper: 22194
PID Calibration Date: 12307
Totalizer Reading After Air Stripper: 650720

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		15			
Air Velocity, FPM		2121			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			190		
Applied Vacuum, "wc	20"HG	.30	NA	NA	
Temperature, deg F		114	85		
PID Readings, ppmv	284	~~0~~	107	~~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	25	15					
V-2	25	15					
V-3	25	14					
MW-1	100	17					
MW-3	100	18					
MW-7	100	17					
MW5	100	18					

Signature:
Date: 12507

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 0536	12507 0536	02111AGAC1	12507 0600
02111ASAEFF 0539	" 0539	02111AEFF	" 0602
02111ASYSINF 0541	" 0541		
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: 12507

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

ORIGINAL

Date: 12-5-07
Onsite Time: 0500
Offsite Time: 0650

Technician: CHILC
Weather Conditions: Cloudy
Ambient Temperature 45

System Status Upon Arrival: ☐ Operational ☒ Non-operational High Tank
System Status At Departure: ☐ Operational ☒ Non-operational Wait for Lab Results
Transfer Pump: ☐ Operational ☐ Non-operational

Transfer Pump Hour Meter Reading: —
Effluent Flow Totalizer Reading: 633121
No. of Carbon Vessels: 2
Lead Carbon Vessel Pressure (psi): 10

Effluent Water Characteristics
(Quarterly by Field Instrument)
pH: 7.79
Temperature: 15.3 C

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		3952			

Sampling Information			
Sample ID	Date & Time	Sample ID	Date & Time
02111DPEWINF	12507 0551	02111MW2WINF	12507 0555
02111ASWINF	0549		
02111ASWEFF	0547		
02111WGAC1	0545		
02111WEFF	0543		

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

Notes:

Signature: [signature] Date: 12507

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

ORIGINAL

Date: 12-17-07
Onsite Time: 0430
Offsite Time: 0620
Equipment Manufacturer/Model#

Technician: CHILL
Weather Conditions: Rain
Ambient Temperature: 50

System Information

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

Restart 4 hrs 15 results ok

Electric Meter Reading: NM
Hour Meter Reading: 1544
Totalizer Reading Prior to Air Stripper: 22603.2
PID Calibration Date: 12-17-07
Totalizer Reading After Air Stripper: 651020

Field Measurements

Parameter	Influent (after blower, 2111DPEAINF)	Air Stripper (2111ASAEFF)	System Influent (2111ASYSINF)	Stack Air Flow (2111AEFF)	Comments
Differential Pressure, "wc		~~.25~~ 17			
Air Velocity, FPM		1628			
Pipe Diameter, inches	3	4	4	3	
Air Flow Rate, cfm			200		
Applied Vacuum, "wc	22" Hg	.25	NA	NA	
Temperature, deg F		117	85		
PID Readings, ppmv	~~453~~	1	181	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	16					
V-2	50	17					
V-3	50	18					
MW-1	100	15					
MW-3	100	18					
MW-7	100	19					
MW-8	100	20					

Signature: [signature]
Date: 12-17-07

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

ORIGINAL

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

Operation & Maintenance Notes

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

Signature: _____ Date: 12-17-07

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

ORIGINAL

Date: 12-12-07
Onsite Time: 0430
Offsite Time: 0620

Technician: CHILL
Weather Conditions: Rain
Ambient Temperature 50

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

Transfer Pump Hour Meter Reading: ?
Effluent Flow Totalizer Reading: 633123
No. of Carbon Vessels: 2
Lead Carbon Vessel Pressure (psi): 8

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

Well ID	Hour Meter Reading	Totalizer Reading	Total Depth	Pump Depth	
MW-2		3971			

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: Floats in oil/water separator work At Times Then Not (check it) will Order Longer Float Rods - may be Hanging Upon Threads

Signature: [signature] Date: 121707

Atlantic Richfield Company
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A BP affiliated company

ORIGINAL

Page 1 of 1

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:
Off-site Time: 0630	Temp:
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.

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~~EW~~INF	0551	12/5		x			3				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0549			x			3				X		x	x	x		x	
3	02111ASWEFF	0547			x			3				X		x	x	x		x	
4	02111WGAC1	0545			x			3				X		x	x	x		x	
5	02111WEFF	0543			x			3				X		x	x	x	x		
6	02111MW2WINF	0559			x			3				X		x	x	x		x	
7																			
8																			
9																			
10																			

		Date	Time		Date	Time
Sampler's Name: Chris Hill	Relinquished By / Affiliation	12/5	1034	Accepted By / Affiliation	12/5/07	1035
Sampler's Company: Stratus Environmental, Inc.						
Shipment Date: 12507						
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: 0500	Temp:
Off-site Time: 0830	Temp:
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:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: GRO by 8015	BTEX by 8260	MTBE by 8260	Turnaround Time: 24-hours	Standard	Sample Point Lat/Long and Comments
1	02111DPEAINF	0536	12/5/07			x		2						x	x	x		x	
2	02111ASAEFF	0539	"			x		2						x	x	x		x	
3	02111ASYSINF	0541	"			x		2						x	x	x		x	
4	02111AGAC1	0600	"			x		2						x	x	x		x	
5	02111AEFF	0602	"			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		12/5/07	1035	JULIE N. / TAMH	12/5/07	1035
Sampler's Company:	Stratus Environmental, Inc.						
Shipment Date:	12507						
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

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14 December, 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: MQL0093

Enclosed are the results of analyses for samples received by the laboratory on 12/05/07 10:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEAINF	MQL0093-01	Vapor	12/05/07 05:36	12/05/07 10:35
02111ASAEFF	MQL0093-02	Vapor	12/05/07 05:39	12/05/07 10:35
02111ASYSINF	MQL0093-03	Vapor	12/05/07 05:41	12/05/07 10:35
02111AGAC1	MQL0093-04	Vapor	12/05/07 06:00	12/05/07 10:35
02111AEFF	MQL0093-05	Vapor	12/05/07 06:02	12/05/07 10:35

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

These samples were received with no custody seals.

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQL0093-01) Vapor	**Sampled: 12/05/07 05:36**		**Received: 12/05/07 10:35**						
Methyl tert-butyl ether	**21**	1.0	mg/m³ Air	2	7L07006	12/07/07	12/07/07 13:05	EPA 8260B	
Benzene	**2.2**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**1.4**	1.0	"	"	"	"	"	"	
Xylenes (total)	**1.4**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-120*		"	"	"	"	
Benzene	**0.68**	0.31	ppmv	2	"	"	"	"	
Ethylbenzene	**0.32**	0.23	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.9**	0.28	"	"	"	"	"	"	
Toluene	ND	0.27	"	"	"	"	"	"	
Xylenes (total)	**0.33**	0.23	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-120*		"	"	"	"	
02111ASAEFF (MQL0093-02) Vapor	**Sampled: 12/05/07 05:39**		**Received: 12/05/07 10:35**						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7L06004	12/06/07	12/06/07 14:08	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*75-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASAEFF (MQL0093-02) Vapor Sampled: 12/05/07 05:39 Received: 12/05/07 10:35									
Surrogate: Dibromofluoromethane		*102 %*	*75-130*		*7L06004*	*12/06/07*	*12/06/07 14:08*	*EPA 8260B*	
Surrogate: Toluene-d8		*97 %*	*75-120*		"	"	"	"	
02111ASYSINF (MQL0093-03) Vapor Sampled: 12/05/07 05:41 Received: 12/05/07 10:35									
Methyl tert-butyl ether	**2.5**	0.50	mg/m³ Air	1	7L07006	12/07/07	12/07/07 13:35	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.0**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.2**	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	**0.23**	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.70**	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	**0.28**	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-120*		"	"	"	"	
02111AGAC1 (MQL0093-04) Vapor Sampled: 12/05/07 06:00 Received: 12/05/07 10:35									
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7L06004	12/06/07	12/06/07 14:42	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111AGAC1 (MQL0093-04) Vapor Sampled: 12/05/07 06:00 Received: 12/05/07 10:35									
Toluene	ND	0.13	ppmv	1	7L06004	12/06/07	12/06/07 14:42	EPA 8260B	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-120*		"	"	"	"	
02111AEFF (MQL0093-05) Vapor Sampled: 12/05/07 06:02 Received: 12/05/07 10:35									
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	7L05010	12/05/07	12/05/07 18:02	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*86 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*84 %*	*75-120*		"	"	"	"	
Benzene	ND	0.16	ppmv	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.14	"	"	"	"	"	"	
Toluene	ND	0.13	"	"	"	"	"	"	
Xylenes (total)	ND	0.12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*60-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80 %*	*55-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*86 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*84 %*	*75-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons by EPA 8015B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEAINF (MQL0093-01) Vapor	**Sampled: 12/05/07 05:36**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	**3000**	500	mg/m³ Air	50	7L06003	12/06/07	12/06/07 18:07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**850**	120	ppmv	50	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-125*		"	"	"	"	
02111ASAEFF (MQL0093-02) Vapor	**Sampled: 12/05/07 05:39**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7L06003	12/06/07	12/06/07 18:37	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*70-125*		"	"	"	"	
02111ASYSINF (MQL0093-03) Vapor	**Sampled: 12/05/07 05:41**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	**830**	500	mg/m³ Air	50	7L06003	12/06/07	12/06/07 19:06	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**240**	120	ppmv	50	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
02111AGAC1 (MQL0093-04) Vapor	**Sampled: 12/05/07 06:00**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7L06003	12/06/07	12/06/07 19:36	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-125*		"	"	"	"	
02111AEFF (MQL0093-05) Vapor	**Sampled: 12/05/07 06:02**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air	1	7L05020	12/05/07	12/05/07 16:45	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*95 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L05010 - EPA 5030B P/T / EPA 8260B										
Blank (7L05010-BLK1)				Prepared & Analyzed: 12/05/07						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Ethylbenzene	ND	0.12	ppmv							
Methyl tert-butyl ether	ND	0.14	"							
Toluene	ND	0.13	"							
Xylenes (total)	ND	0.12	"							
Surrogate: 1,2-Dichloroethane-d4	*2.37*		*mg/m³ Air*	*2.50*		*95*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.563*		*ppmv*	*0.594*		*95*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*0.310*		*"*	*0.349*		*89*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*2.22*		*mg/m³ Air*	*2.50*		*89*	*55-130*			
Surrogate: Dibromofluoromethane	*0.285*		*ppmv*	*0.318*		*90*	*75-130*			
Surrogate: Dibromofluoromethane	*2.24*		*mg/m³ Air*	*2.50*		*90*	*75-130*			
Surrogate: Toluene-d8	*0.609*		*ppmv*	*0.665*		*92*	*75-120*			
Surrogate: Toluene-d8	*2.29*		*mg/m³ Air*	*2.50*		*92*	*75-120*			
Laboratory Control Sample (7L05010-BS1)				Prepared & Analyzed: 12/05/07						
Methyl tert-butyl ether	9.58	0.50	mg/m³ Air	10.0		96	80-130			
Benzene	3.04	0.16	ppmv	3.14		97	75-120			
Benzene	9.70	0.50	mg/m³ Air	10.0		97	75-120			
Toluene	9.65	0.50	"	10.0		96	80-120			
Ethylbenzene	10.1	0.50	"	10.0		101	80-125			
Xylenes (total)	30.4	0.50	"	30.0		101	80-125			
Ethylbenzene	2.34	0.12	ppmv	2.31		101	80-125			
Methyl tert-butyl ether	2.66	0.14	"	2.78		96	80-130			
Toluene	2.57	0.13	"	2.66		96	80-120			
Xylenes (total)	7.02	0.12	"	6.92		101	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.27*		*mg/m³ Air*	*2.50*		*91*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.539*		*ppmv*	*0.594*		*91*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*0.335*		*"*	*0.349*		*96*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*2.40*		*mg/m³ Air*	*2.50*		*96*	*55-130*			
Surrogate: Dibromofluoromethane	*0.293*		*ppmv*	*0.318*		*92*	*75-130*			
Surrogate: Dibromofluoromethane	*2.30*		*mg/m³ Air*	*2.50*		*92*	*75-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L05010 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7L05010-BS1)				Prepared & Analyzed: 12/05/07						
Surrogate: Toluene-d8	*0.622*		*ppmv*	*0.665*		*94*	*75-120*			
Surrogate: Toluene-d8	*2.34*		*mg/m³ Air*	*2.50*		*94*	*75-120*			
Laboratory Control Sample Dup (7L05010-BSD1)				Prepared & Analyzed: 12/05/07						
Methyl tert-butyl ether	9.73	0.50	mg/m³ Air	10.0		97	80-130	2	25	
Benzene	3.07	0.16	ppmv	3.14		98	75-120	0.8	20	
Benzene	9.78	0.50	mg/m³ Air	10.0		98	75-120	0.8	20	
Toluene	9.46	0.50	"	10.0		95	80-120	2	25	
Ethylbenzene	9.98	0.50	"	10.0		100	80-125	2	20	
Xylenes (total)	30.1	0.50	"	30.0		100	80-125	1	20	
Ethylbenzene	2.30	0.12	ppmv	2.31		100	80-125	2	20	
Methyl tert-butyl ether	2.70	0.14	"	2.78		97	80-130	2	25	
Toluene	2.52	0.13	"	2.66		95	80-120	2	25	
Xylenes (total)	6.94	0.12	"	6.92		100	80-125	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.34*		*mg/m³ Air*	*2.50*		*94*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.556*		*ppmv*	*0.594*		*94*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*0.330*		*"*	*0.349*		*94*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*2.36*		*mg/m³ Air*	*2.50*		*94*	*55-130*			
Surrogate: Dibromofluoromethane	*0.298*		*ppmv*	*0.318*		*94*	*75-130*			
Surrogate: Dibromofluoromethane	*2.34*		*mg/m³ Air*	*2.50*		*94*	*75-130*			
Surrogate: Toluene-d8	*0.606*		*ppmv*	*0.665*		*91*	*75-120*			
Surrogate: Toluene-d8	*2.28*		*mg/m³ Air*	*2.50*		*91*	*75-120*			
Batch 7L06004 - EPA 5030B P/T / EPA 8260B										
Blank (7L06004-BLK1)				Prepared & Analyzed: 12/06/07						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Ethylbenzene	ND	0.12	ppmv							
Methyl tert-butyl ether	ND	0.14	"							
Toluene	ND	0.13	"							
Xylenes (total)	ND	0.12	"							
Surrogate: 1,2-Dichloroethane-d4	*2.41*		*mg/m³ Air*	*2.50*		*96*	*60-150*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L06004 - EPA 5030B P/T / EPA 8260B										
Blank (7L06004-BLK1)				Prepared & Analyzed: 12/06/07						
Surrogate: 1,2-Dichloroethane-d4	*0.572*		*ppmv*	*0.594*		*96*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*2.68*		*mg/m³ Air*	*2.50*		*107*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*0.375*		*ppmv*	*0.349*		*107*	*55-130*			
Surrogate: Dibromofluoromethane	*0.282*		*"*	*0.318*		*88*	*75-130*			
Surrogate: Dibromofluoromethane	*2.21*		*mg/m³ Air*	*2.50*		*88*	*75-130*			
Surrogate: Toluene-d8	*2.35*		*"*	*2.50*		*94*	*75-120*			
Surrogate: Toluene-d8	*0.625*		*ppmv*	*0.665*		*94*	*75-120*			
Laboratory Control Sample (7L06004-BS1)				Prepared & Analyzed: 12/06/07						
Methyl tert-butyl ether	9.69	0.50	mg/m³ Air	10.0		97	80-130			
Benzene	3.16	0.16	ppmv	3.14		101	75-120			
Benzene	10.1	0.50	mg/m³ Air	10.0		101	75-120			
Toluene	9.98	0.50	"	10.0		100	80-120			
Ethylbenzene	9.14	0.50	"	10.0		91	80-125			
Xylenes (total)	27.4	0.50	"	30.0		91	80-125			
Ethylbenzene	2.11	0.12	ppmv	2.31		91	80-125			
Methyl tert-butyl ether	2.69	0.14	"	2.78		97	80-130			
Toluene	2.65	0.13	"	2.66		100	80-120			
Xylenes (total)	6.31	0.12	"	6.92		91	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.07*		*mg/m³ Air*	*2.50*		*83*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.492*		*ppmv*	*0.594*		*83*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*0.296*		*"*	*0.349*		*85*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*2.12*		*mg/m³ Air*	*2.50*		*85*	*55-130*			
Surrogate: Dibromofluoromethane	*0.290*		*ppmv*	*0.318*		*91*	*75-130*			
Surrogate: Dibromofluoromethane	*2.28*		*mg/m³ Air*	*2.50*		*91*	*75-130*			
Surrogate: Toluene-d8	*2.25*		*"*	*2.50*		*90*	*75-120*			
Surrogate: Toluene-d8	*0.598*		*ppmv*	*0.665*		*90*	*75-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L06004 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (7L06004-BSD1)				Prepared & Analyzed: 12/06/07						
Methyl tert-butyl ether	9.19	0.50	mg/m³ Air	10.0		92	80-130	5	25	
Benzene	2.86	0.16	ppmv	3.14		91	75-120	10	20	
Benzene	9.13	0.50	mg/m³ Air	10.0		91	75-120	10	20	
Toluene	9.53	0.50	"	10.0		95	80-120	5	25	
Ethylbenzene	13.1	0.50	"	10.0		131	80-125	36	20	LQ, BA
Xylenes (total)	31.0	0.50	"	30.0		103	80-125	12	20	
Ethylbenzene	3.02	0.12	ppmv	2.31		131	80-125	36	20	LQ, BA
Methyl tert-butyl ether	2.55	0.14	"	2.78		92	80-130	5	25	
Toluene	2.53	0.13	"	2.66		95	80-120	5	25	
Xylenes (total)	7.14	0.12	"	6.92		103	80-125	12	20	
Surrogate: 1,2-Dichloroethane-d4	*2.26*		*mg/m³ Air*	*2.50*		*90*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.537*		*ppmv*	*0.594*		*90*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*0.372*		*"*	*0.349*		*106*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*2.66*		*mg/m³ Air*	*2.50*		*106*	*55-130*			
Surrogate: Dibromofluoromethane	*2.37*		*"*	*2.50*		*95*	*75-130*			
Surrogate: Dibromofluoromethane	*0.302*		*ppmv*	*0.318*		*95*	*75-130*			
Surrogate: Toluene-d8	*2.22*		*mg/m³ Air*	*2.50*		*89*	*75-120*			
Surrogate: Toluene-d8	*0.590*		*ppmv*	*0.665*		*89*	*75-120*			
Batch 7L07006 - EPA 5030B P/T / EPA 8260B										
Blank (7L07006-BLK1)				Prepared & Analyzed: 12/07/07						
Methyl tert-butyl ether	ND	0.50	mg/m³ Air							
Benzene	ND	0.16	ppmv							
Benzene	ND	0.50	mg/m³ Air							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Ethylbenzene	ND	0.12	ppmv							
Methyl tert-butyl ether	ND	0.14	"							
Toluene	ND	0.13	"							
Xylenes (total)	ND	0.12	"							
Surrogate: 1,2-Dichloroethane-d4	*2.50*		*mg/m³ Air*	*2.50*		*100*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.594*		*ppmv*	*0.594*		*100*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*2.50*		*mg/m³ Air*	*2.50*		*100*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*0.349*		*ppmv*	*0.349*		*100*	*55-130*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L07006 - EPA 5030B P/T / EPA 8260B										
Blank (7L07006-BLK1)				Prepared & Analyzed: 12/07/07						
Surrogate: Dibromofluoromethane	*2.50*		*mg/m³ Air*	*2.50*		*100*	*75-130*			
Surrogate: Dibromofluoromethane	*0.318*		*ppmv*	*0.318*		*100*	*75-130*			
Surrogate: Toluene-d8	*0.665*		*"*	*0.665*		*100*	*75-120*			
Surrogate: Toluene-d8	*2.50*		*mg/m³ Air*	*2.50*		*100*	*75-120*			
Laboratory Control Sample (7L07006-BS1)				Prepared & Analyzed: 12/07/07						
Methyl tert-butyl ether	9.98	0.50	mg/m³ Air	10.0		100	80-130			
Benzene	3.01	0.16	ppmv	3.14		96	75-120			
Benzene	9.59	0.50	mg/m³ Air	10.0		96	75-120			
Toluene	9.98	0.50	"	10.0		100	80-120			
Ethylbenzene	10.8	0.50	"	10.0		108	80-125			
Xylenes (total)	31.8	0.50	"	30.0		106	80-125			
Ethylbenzene	2.48	0.12	ppmv	2.31		108	80-125			
Methyl tert-butyl ether	2.77	0.14	"	2.78		100	80-130			
Toluene	2.65	0.13	"	2.66		100	80-120			
Xylenes (total)	7.34	0.12	"	6.92		106	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		*mg/m³ Air*	*2.50*		*99*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.587*		*ppmv*	*0.594*		*99*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*2.56*		*mg/m³ Air*	*2.50*		*102*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*0.358*		*ppmv*	*0.349*		*102*	*55-130*			
Surrogate: Dibromofluoromethane	*0.321*		*"*	*0.318*		*101*	*75-130*			
Surrogate: Dibromofluoromethane	*2.52*		*mg/m³ Air*	*2.50*		*101*	*75-130*			
Surrogate: Toluene-d8	*0.683*		*ppmv*	*0.665*		*103*	*75-120*			
Surrogate: Toluene-d8	*2.57*		*mg/m³ Air*	*2.50*		*103*	*75-120*			
Laboratory Control Sample Dup (7L07006-BSD1)				Prepared & Analyzed: 12/07/07						
Methyl tert-butyl ether	9.97	0.50	mg/m³ Air	10.0		100	80-130	0.1	25	
Benzene	3.00	0.16	ppmv	3.14		96	75-120	0.3	20	
Benzene	9.56	0.50	mg/m³ Air	10.0		96	75-120	0.3	20	
Toluene	9.90	0.50	"	10.0		99	80-120	0.8	25	
Ethylbenzene	10.7	0.50	"	10.0		107	80-125	0.9	20	
Xylenes (total)	31.8	0.50	"	30.0		106	80-125	0.06	20	
Ethylbenzene	2.46	0.12	ppmv	2.31		107	80-125	0.9	20	
Methyl tert-butyl ether	2.77	0.14	"	2.78		100	80-130	0.1	25	
Toluene	2.63	0.13	"	2.66		99	80-120	0.8	25	
Xylenes (total)	7.34	0.12	"	6.92		106	80-125	0.06	20	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Purgeable Hydrocarbons and Volatile Organic Compounds by EPA method 8260B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L07006 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (7L07006-BSD1)				Prepared & Analyzed: 12/07/07						
Surrogate: 1,2-Dichloroethane-d4	*2.40*		*mg/m³ Air*	*2.50*		*96*	*60-150*			
Surrogate: 1,2-Dichloroethane-d4	*0.570*		*ppmv*	*0.594*		*96*	*60-150*			
Surrogate: 4-Bromofluorobenzene	*0.358*		*"*	*0.349*		*102*	*55-130*			
Surrogate: 4-Bromofluorobenzene	*2.56*		*mg/m³ Air*	*2.50*		*102*	*55-130*			
Surrogate: Dibromofluoromethane	*2.51*		*"*	*2.50*		*100*	*75-130*			
Surrogate: Dibromofluoromethane	*0.320*		*ppmv*	*0.318*		*100*	*75-130*			
Surrogate: Toluene-d8	*0.675*		*"*	*0.665*		*102*	*75-120*			
Surrogate: Toluene-d8	*2.54*		*mg/m³ Air*	*2.50*		*102*	*75-120*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L05020 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7L05020-BLK1)				Prepared & Analyzed: 12/05/07						
Gasoline Range Organics (C4-C12)	ND	50	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	12	ppmv							
Surrogate: 4-Bromofluorobenzene	*37.2*		*mg/m³ Air*	*40.0*		*93*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.19*		*ppmv*	*5.59*		*93*	*70-125*			
Laboratory Control Sample (7L05020-BS1)				Prepared & Analyzed: 12/05/07						
Gasoline Range Organics (C4-C12)	235	50	mg/m³ Air	275		85	60-120			
Gasoline Range Organics (C4-C12)	66.6	12	ppmv	78.0		85	60-120			
Surrogate: 4-Bromofluorobenzene	*38.4*		*mg/m³ Air*	*40.0*		*96*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.37*		*ppmv*	*5.59*		*96*	*70-125*			
Laboratory Control Sample Dup (7L05020-BSD1)				Prepared & Analyzed: 12/05/07						
Gasoline Range Organics (C4-C12)	240	50	mg/m³ Air	275		87	60-120	2	20	
Gasoline Range Organics (C4-C12)	68.0	12	ppmv	78.0		87	60-120	2	20	
Surrogate: 4-Bromofluorobenzene	*38.7*		*mg/m³ Air*	*40.0*		*97*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*5.42*		*ppmv*	*5.59*		*97*	*70-125*			
Batch 7L06003 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7L06003-BLK1)				Prepared & Analyzed: 12/06/07						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv							
Surrogate: 4-Bromofluorobenzene	*1.15*		*"*	*1.12*		*103*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*8.20*		*mg/m³ Air*	*8.00*		*103*	*70-125*			
Laboratory Control Sample (7L06003-BS2)				Prepared & Analyzed: 12/06/07						
Gasoline Range Organics (C4-C12)	53.9	10	mg/m³ Air	55.0		98	60-120			
Gasoline Range Organics (C4-C12)	15.3	2.4	ppmv	15.6		98	60-120			
Surrogate: 4-Bromofluorobenzene	*1.05*		*"*	*1.12*		*94*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*7.50*		*mg/m³ Air*	*8.00*		*94*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L06003 - EPA 5030B [P/T] / EPA 8015B-VOA										
Laboratory Control Sample Dup (7L06003-BSD2)				Prepared & Analyzed: 12/06/07						
Gasoline Range Organics (C4-C12)	55.3	10	mg/m³ Air	55.0		101	60-120	2	20	
Gasoline Range Organics (C4-C12)	15.7	2.4	ppmv	15.6		101	60-120	2	20	
Surrogate: 4-Bromofluorobenzene	*7.33*		*mg/m³ Air*	*8.00*		*92*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*1.03*		*ppmv*	*1.12*		*92*	*70-125*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0093
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/14/07 14:06

Notes and Definitions

LQ	LCS recovery above method control limits.
BA	Relative percent difference out of control
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Atlantic Richfield Company
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:
Off-site Time: 0830	Temp:
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: 410L0093

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	0536	12/5/07			x	01	2						x	x	x		x	
2	02111ASAEFF	0539	"			x	02	2						x	x	x		x	
3	02111ASYSINF	0541	"			x	03	2						x	x	x		x	
4	02111AGAC1	0608	"			x	04	2						x	x	x		x	
5	02111AEFF	0602	"			x	05	2						x	x	x	x		
6																			
7																			
8																			
9																			
10																			

		Date	Time		Date	Time
Sampler's Name: Chris Hill	Relinquished By / Affiliation			Accepted By / Affiliation		
Sampler's Company: Stratus Environmental, Inc.		12/5/07	1035	JULIE N. / TAMH	12/5/07	1035
Shipment Date: 12/5/07						
Shipment Method: Stratus						
Shipment Tracking No:						

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

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO
REC. BY (PRINT): JULIE N.
WORKORDER: MQ0093

DATE REC'D AT LAB: 12/5/07
TIME REC'D AT LAB: 1035
DATE LOGGED IN: 12/05/07

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

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

JULIE N. SEE COC 12/5/07

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

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17 December, 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: MQL0103

Enclosed are the results of analyses for samples received by the laboratory on 12/05/07 10:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0103
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02111DPEWINF	MQL0103-01	Water	12/05/07 05:51	12/05/07 10:35
02111ASWINF	MQL0103-02	Water	12/05/07 05:49	12/05/07 10:35
02111ASWEFF	MQL0103-03	Water	12/05/07 05:47	12/05/07 10:35
02111WGAC1	MQL0103-04	Water	12/05/07 05:45	12/05/07 10:35
02111WEFF	MQL0103-05	Water	12/05/07 05:43	12/05/07 10:35
02111MW2WINF	MQL0103-06	Water	12/05/07 05:55	12/05/07 10:35

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

These samples were received with no custody seals.

These samples were received with no trip blank.

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Purgeable Hydrocarbons by EPA 8015B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQL0103-01) Water	**Sampled: 12/05/07 05:51**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	**120**	50	ug/l	1	7L06009	12/06/07	12/06/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-125*		"	"	"	"	
02111ASWINF (MQL0103-02) Water	**Sampled: 12/05/07 05:49**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	**80**	50	ug/l	1	7L06009	12/06/07	12/06/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*105 %*	*70-125*		"	"	"	"	
02111ASWEFF (MQL0103-03) Water	**Sampled: 12/05/07 05:47**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7L06009	12/06/07	12/06/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
02111WGAC1 (MQL0103-04) Water	**Sampled: 12/05/07 05:45**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7L06009	12/06/07	12/06/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
02111WEFF (MQL0103-05) Water	**Sampled: 12/05/07 05:43**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7L06009	12/06/07	12/06/07	EPA 8015B-VOA	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-125*		"	"	"	"	
02111MW2WINF (MQL0103-06) Water	**Sampled: 12/05/07 05:55**		**Received: 12/05/07 10:35**						
Gasoline Range Organics (C4-C12)	**1100**	500	ug/l	10	7L06009	12/06/07	12/06/07	EPA 8015B-VOA	PV
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-125*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0103
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111DPEWINF (MQL0103-01) Water	**Sampled: 12/05/07 05:51**		**Received: 12/05/07 10:35**						**PC**
tert-Amyl methyl ether	**0.52**	0.50	ug/l	1	7L08003	12/08/07	12/08/07	EPA 8260B	
Benzene	**0.99**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**51**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.3**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**79**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**6.7**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*55-130*		"	"	"	"	
02111ASWINF (MQL0103-02) Water	**Sampled: 12/05/07 05:49**		**Received: 12/05/07 10:35**						**PC**
tert-Amyl methyl ether	ND	0.50	ug/l	1	7L08003	12/08/07	12/08/07	EPA 8260B	
Benzene	**0.69**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**21**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.0**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**74**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.1**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85 %*	*55-130*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111ASWEFF (MQL0103-03) Water Sampled: 12/05/07 05:47 Received: 12/05/07 10:35									
tert-Amyl methyl ether	**0.61**	0.50	ug/l	1	7L06024	12/06/07	12/07/07	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	**2.7**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*55-130*		"	"	"	"	
02111WGAC1 (MQL0103-04) Water Sampled: 12/05/07 05:45 Received: 12/05/07 10:35									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7L06024	12/06/07	12/07/07	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		*92 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0103
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
02111WEFF (MQL0103-05) Water	**Sampled: 12/05/07 05:43**		**Received: 12/05/07 10:35**						
tert-Amyl methyl ether	ND	0.50	ug/l	1	7L05007	12/05/07	12/06/07	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		*103 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*55-130*		"	"	"	"	
02111MW2WINF (MQL0103-06) Water	**Sampled: 12/05/07 05:55**		**Received: 12/05/07 10:35**						
tert-Amyl methyl ether	ND	10	ug/l	20	7L06024	12/06/07	12/07/07	EPA 8260B	
Benzene	**30**	10	"	"	"	"	"	"	
tert-Butyl alcohol	**1800**	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	**12**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**890**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #2111, San Leandro, CA	MQL0103
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L06009 - EPA 5030B [P/T] / EPA 8015B-VOA										
Blank (7L06009-BLK1)				Prepared & Analyzed: 12/06/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*38.2*		"	*40.0*		*96*	*70-125*			
Laboratory Control Sample (7L06009-BS1)				Prepared & Analyzed: 12/06/07						
Gasoline Range Organics (C4-C12)	249	50	ug/l	275		90	60-120			
Surrogate: 4-Bromofluorobenzene	*39.9*		"	*40.0*		*100*	*70-125*			
Matrix Spike (7L06009-MS1)	**Source: MQL0103-03**			Prepared & Analyzed: 12/06/07						
Gasoline Range Organics (C4-C12)	256	50	ug/l	275	ND	93	45-135			
Surrogate: 4-Bromofluorobenzene	*40.4*		"	*40.0*		*101*	*70-125*			
Matrix Spike Dup (7L06009-MSD1)	**Source: MQL0103-03**			Prepared & Analyzed: 12/06/07						
Gasoline Range Organics (C4-C12)	248	50	ug/l	275	ND	90	45-135	3	20	
Surrogate: 4-Bromofluorobenzene	*40.5*		"	*40.0*		*101*	*70-125*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L05007 - EPA 5030B P/T / EPA 8260B										
Blank (7L05007-BLK1)				Prepared: 12/05/07 Analyzed: 12/06/07						
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	*2.50*		"	*2.50*		*100*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.50*		"	*2.50*		*100*	*60-150*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*55-130*			
Laboratory Control Sample (7L05007-BS1)				Prepared: 12/05/07 Analyzed: 12/06/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0		101	75-125			
Benzene	9.24	0.50	"	10.0		92	75-120			
tert-Butyl alcohol	202	20	"	200		101	80-120			
Di-isopropyl ether	9.00	0.50	"	10.0		90	70-130			
Ethyl tert-butyl ether	9.78	0.50	"	10.0		98	75-130			
Ethylbenzene	9.95	0.50	"	10.0		100	80-125			
Methyl tert-butyl ether	10.0	0.50	"	10.0		100	80-130			
Toluene	9.57	0.50	"	10.0		96	80-120			
Xylenes (total)	29.5	0.50	"	30.0		98	80-125			
Surrogate: Dibromofluoromethane	*2.52*		"	*2.50*		*101*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.50*		"	*2.50*		*100*	*60-150*			
Surrogate: Toluene-d8	*2.53*		"	*2.50*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.51*		"	*2.50*		*100*	*55-130*			

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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	MQL0103
3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L05007 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7L05007-MS1)	**Source: MQL0099-05**			Prepared: 12/05/07		Analyzed: 12/06/07				
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0	ND	104	75-140			
Benzene	9.61	0.50	"	10.0	ND	96	80-120			
tert-Butyl alcohol	219	20	"	200	ND	110	80-125			
Di-isopropyl ether	9.64	0.50	"	10.0	ND	96	75-135			
Ethyl tert-butyl ether	10.4	0.50	"	10.0	ND	104	80-135			
Ethylbenzene	10.0	0.50	"	10.0	ND	100	75-130			
Methyl tert-butyl ether	10.3	0.50	"	10.0	ND	103	75-145			
Toluene	9.74	0.50	"	10.0	0.140	96	80-125			
Xylenes (total)	30.1	0.50	"	30.0	0.220	100	75-125			
Surrogate: Dibromofluoromethane	*2.61*		"	*2.50*		*104*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.63*		"	*2.50*		*105*	*60-150*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.50*		"	*2.50*		*100*	*55-130*			
Matrix Spike Dup (7L05007-MSD1)	**Source: MQL0099-05**			Prepared: 12/05/07		Analyzed: 12/06/07				
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0	ND	104	75-140	1	25	
Benzene	10.0	0.50	"	10.0	ND	100	80-120	4	20	
tert-Butyl alcohol	222	20	"	200	ND	111	80-125	1	25	
Di-isopropyl ether	10.1	0.50	"	10.0	ND	101	75-135	5	25	
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	80-135	2	25	
Ethylbenzene	10.6	0.50	"	10.0	ND	106	75-130	6	20	
Methyl tert-butyl ether	10.2	0.50	"	10.0	ND	102	75-145	0.5	25	
Toluene	10.3	0.50	"	10.0	0.140	102	80-125	6	25	
Xylenes (total)	31.8	0.50	"	30.0	0.220	105	75-125	5	20	
Surrogate: Dibromofluoromethane	*2.53*		"	*2.50*		*101*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.50*		"	*2.50*		*100*	*60-150*			
Surrogate: Toluene-d8	*2.63*		"	*2.50*		*105*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.62*		"	*2.50*		*105*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L06024 - EPA 5030B P/T / EPA 8260B										
Blank (7L06024-BLK1)				Prepared & Analyzed: 12/06/07						
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	*2.28*		"	*2.50*		*91*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.27*		"	*2.50*		*91*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.14*		"	*2.50*		*86*	*55-130*			
Laboratory Control Sample (7L06024-BS1)				Prepared & Analyzed: 12/06/07						
tert-Amyl methyl ether	10.9	0.50	ug/l	10.0		109	75-125			
Benzene	10.1	0.50	"	10.0		101	75-120			
tert-Butyl alcohol	209	20	"	200		105	80-120			
Di-isopropyl ether	10.0	0.50	"	10.0		100	70-130			
Ethyl tert-butyl ether	10.4	0.50	"	10.0		104	75-130			
Ethylbenzene	10.4	0.50	"	10.0		104	80-125			
Methyl tert-butyl ether	9.81	0.50	"	10.0		98	80-130			
Toluene	10.0	0.50	"	10.0		100	80-120			
Xylenes (total)	31.1	0.50	"	30.0		104	80-125			
Surrogate: Dibromofluoromethane	*2.34*		"	*2.50*		*94*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		"	*2.50*		*92*	*60-150*			
Surrogate: Toluene-d8	*2.32*		"	*2.50*		*93*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.34*		"	*2.50*		*94*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L06024 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7L06024-MS1)	**Source: MQL0060-08**			Prepared & Analyzed: 12/06/07						
tert-Amyl methyl ether	10.7	0.50	ug/l	10.0	ND	107	75-140			
Benzene	10.2	0.50	"	10.0	ND	102	80-120			
tert-Butyl alcohol	207	20	"	200	ND	104	80-125			
Di-isopropyl ether	10.2	0.50	"	10.0	ND	102	75-135			
Ethyl tert-butyl ether	10.3	0.50	"	10.0	ND	103	80-135			
Ethylbenzene	10.3	0.50	"	10.0	ND	103	75-130			
Methyl tert-butyl ether	9.64	0.50	"	10.0	ND	96	75-145			
Toluene	9.99	0.50	"	10.0	ND	100	80-125			
Xylenes (total)	31.1	0.50	"	30.0	ND	104	75-125			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*95*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.42*		"	*2.50*		*97*	*55-130*			
Matrix Spike Dup (7L06024-MSD1)	**Source: MQL0060-08**			Prepared & Analyzed: 12/06/07						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0	ND	106	75-140	1	25	
Benzene	10.1	0.50	"	10.0	ND	101	80-120	0.9	20	
tert-Butyl alcohol	200	20	"	200	ND	100	80-125	4	25	
Di-isopropyl ether	10.1	0.50	"	10.0	ND	101	75-135	2	25	
Ethyl tert-butyl ether	10.2	0.50	"	10.0	ND	102	80-135	1	25	
Ethylbenzene	10.3	0.50	"	10.0	ND	103	75-130	0.1	20	
Methyl tert-butyl ether	9.70	0.50	"	10.0	ND	97	75-145	0.6	25	
Toluene	9.80	0.50	"	10.0	ND	98	80-125	2	25	
Xylenes (total)	30.5	0.50	"	30.0	ND	102	75-125	2	20	
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.32*		"	*2.50*		*93*	*60-150*			
Surrogate: Toluene-d8	*2.36*		"	*2.50*		*94*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.35*		"	*2.50*		*94*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L08003 - EPA 5030B P/T / EPA 8260B										
Blank (7L08003-BLK1)				Prepared & Analyzed: 12/08/07						
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	*2.20*		"	*2.50*		*88*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*60-150*			
Surrogate: Toluene-d8	*2.21*		"	*2.50*		*88*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.15*		"	*2.50*		*86*	*55-130*			
Laboratory Control Sample (7L08003-BS1)				Prepared & Analyzed: 12/08/07						
tert-Amyl methyl ether	10.0	0.50	ug/l	10.0		100	75-125			
Benzene	9.72	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	204	20	"	200		102	80-120			
Di-isopropyl ether	9.76	0.50	"	10.0		98	70-130			
Ethyl tert-butyl ether	9.57	0.50	"	10.0		96	75-130			
Ethylbenzene	10.1	0.50	"	10.0		101	80-125			
Methyl tert-butyl ether	9.08	0.50	"	10.0		91	80-130			
Toluene	9.64	0.50	"	10.0		96	80-120			
Xylenes (total)	30.4	0.50	"	30.0		101	80-125			
Surrogate: Dibromofluoromethane	*2.27*		"	*2.50*		*91*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.33*		"	*2.50*		*93*	*60-150*			
Surrogate: Toluene-d8	*2.25*		"	*2.50*		*90*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.34*		"	*2.50*		*94*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7L08003 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7L08003-MS1)	**Source: MQL0215-02**			Prepared & Analyzed: 12/08/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	75-140			
Benzene	9.15	0.50	"	10.0	ND	92	80-120			
tert-Butyl alcohol	189	20	"	200	ND	94	80-125			
Di-isopropyl ether	9.33	0.50	"	10.0	ND	93	75-135			
Ethyl tert-butyl ether	9.60	0.50	"	10.0	ND	96	80-135			
Ethylbenzene	9.45	0.50	"	10.0	ND	94	75-130			
Methyl tert-butyl ether	9.25	0.50	"	10.0	ND	92	75-145			
Toluene	9.03	0.50	"	10.0	ND	90	80-125			
Xylenes (total)	28.2	0.50	"	30.0	ND	94	75-125			
Surrogate: Dibromofluoromethane	*2.31*		"	*2.50*		*92*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*60-150*			
Surrogate: Toluene-d8	*2.32*		"	*2.50*		*93*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.47*		"	*2.50*		*99*	*55-130*			
Matrix Spike Dup (7L08003-MSD1)	**Source: MQL0215-02**			Prepared & Analyzed: 12/08/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	75-140	0.5	25	
Benzene	9.45	0.50	"	10.0	ND	94	80-120	3	20	
tert-Butyl alcohol	199	20	"	200	ND	100	80-125	5	25	
Di-isopropyl ether	9.63	0.50	"	10.0	ND	96	75-135	3	25	
Ethyl tert-butyl ether	9.75	0.50	"	10.0	ND	98	80-135	2	25	
Ethylbenzene	9.73	0.50	"	10.0	ND	97	75-130	3	20	
Methyl tert-butyl ether	9.15	0.50	"	10.0	ND	92	75-145	1	25	
Toluene	9.24	0.50	"	10.0	ND	92	80-125	2	25	
Xylenes (total)	28.8	0.50	"	30.0	ND	96	75-125	2	20	
Surrogate: Dibromofluoromethane	*2.31*		"	*2.50*		*92*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-150*			
Surrogate: Toluene-d8	*2.26*		"	*2.50*		*90*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.42*		"	*2.50*		*97*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G0C28-0023	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	12/17/07 14:46

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
PC	Sample taken from VOA vial with air bubble > 6mm diameter
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:
Off-site Time: 0630	Temp:
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	02111DPEWINF	0551	1/25/07		x		01	3				X		x	x	x		x	5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA.
2	02111ASWINF	0549			x		02	3				X		x	x	x		x	
3	02111ASWEFF	0545			x		03	3				X		x	x	x		x	
4	02111WGAC1	0549			x		04	3				X		x	x	x		x	
5	02111WEFF	0543			x		05	3				X		x	x	x	x		
6	02111MW2WINF	0553			x		06	3				X		x	x	x		x	
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.		1/25/07	1034	JULIE N. / TAMH	1/25/07	1035
Shipment Date: 1/25/07						
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: 1.8 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO
REC. BY (PRINT): JULIE N.
WORKORDER: HQL00103

DATE REC'D AT LAB: 12/5/07
TIME REC'D AT LAB: 1035
DATE LOGGED IN: 12/05/07

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*								
2. Chain-of-Custody	Present / Absent*								
3. Traffic Reports or Packing List:	Present / Absent								
4. Airbill:	Airbill / Sticker Present / Absent								
5. Airbill #:									
6. Sample Labels:	Present / Absent								
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody								
8. Sample Condition:	Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*								
10. Sample received within hold time?	Yes / No*								
11. Adequate sample volume received?	Yes / No*								
12. Proper preservatives used?	Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No*								
14. Read Temp:	8.8°C								
Correction Factor:	-1.0°C								
Corrected Temp:	7.8°C								
Is corrected temp. 0-6°C?	Yes / No**								

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

JULIE N. 12/5 SEE COC

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

APPENDIX D

STRATUS REMEDIATION SYSTEM MONTHLY DISCHARGE REPORTS
(INCLUDES BRIEF STATEMENTS SUMMARIZING OPERATIONS AND SEWER DISCHARGE SUMMARY TABLES)

STRATUS
ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date November 5, 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 October 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for October 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. A total of approximately 2,204 gallons of treated groundwater were discharged to the sanitary sewer between September 17, 2007 and October 30, 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

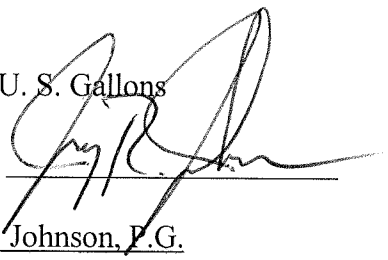
cc: Mr. Rob Miller, Broadbent & Associates, Inc.

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: September 17, 2007 to October 30, 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: 43

Total monthly discharge: 2,204 U. S. Gallons

Signature of Certifying Official: 

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

Title: Project Manager

Date: November 5, 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 is treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer. The remediation systems were shutdown on October 1, 2007, after sampling, pending receipt and verification of analytical results. Since MTBE (0.61 mg/m^3) was reported in the effluent air sample collected on October 1, 2007, it was re-sampled on October 11, 2007 and the remediation systems were shutdown on October 11, 2007 pending receipt and verification of analytical results for the effluent air sample. Petroleum hydrocarbons and fuel oxygenates were below laboratory reporting limits in the effluent air sample collected on October 11, 2007. The GETS was re-started on October 23, 2007. The GETS was found non-functioning during a site visit conducted on October 30, 2007 due to high-water level alarm on the air-stripper. The GETS was re-started on the same day after re-setting the air stripper.

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 1/29/07 8:00 1/29/07[1] 12:00 01/30/07 01/31/07	System Start-up 3,000 5,000 6,200 8,560	5,560
February-07	2/1/07 5:15 2/2/07 5:00 2/5/07 5:00 2/20/07 6:30	16,860 25,480 33,400 122,790	114,230
March-07	3/5/07[2] 5:00 3/8/07[3] 4:50 3/14/07[4] 7:00 3/29/07[5] 10:00	130,565 132,951 NM 133,262	10,472
April-07	4/2/07[6] 5:30 4/10/07[7] 5:00 4/23/07[8] 7:00 4/26/07 6:00	170,596 NM 172,210 200,143	66,881
May-07	5/1/2007[9] 4:50 5/15/2007[10] 5:00 5/29/07 8:30	220,892 225,297 410,246	210,103
June-07	6/4/2007[11] 5:00 6/12/2007[12] 5:00 6/26/2007[13] 4:30	429,450 430,092 430,222	19,976

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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)
July-07	7/2/07 5:30 7/10/2007 [14] 5:45 7/17/2007 [15] 5:00	480,377 523,553 546,094	115,872
August-07	8/1/2007 [15] 5:00 8/7/07 5:00 8/20/2007 [15] 5:00	580,301 580,662 582,706	36,612
September-07	9/5/2007 [16] 5:00 9/11/2007 [17] 9:00 9/17/2007 [18] 5:30	589,944 589,950 591,443	8,737
October-07	10/1/07 [19] 5:00 10/11/07 [20] 8:15 10/23/07 [17] 5:00 10/30/07 [15] 7:10	592,403 NM NM 593,647	2,204

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.

[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.

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)

[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.

[14] System observed non-functioning upon arrival due to high-level in oil-water separator. System re-started after replacing particulate filters on the system.

[15] System observed non-functioning upon arrival due to high water level alarm on air stripper. System re-started after re-setting air stripper.

[16] System observed non-functioning upon arrival due to high-level in oil-water separator. System re-started, but shutdown after sampling pending receipt and verification of analytical results.

[17] System re-started upon receipt of analytical results and compliance verification.

[18] System observed non-functioning upon arrival due to high-level in oil-water separator. System re-started momentarily after conducting maintenance, but shutdown pending further troubleshooting.

[19] System re-started, but shutdown after sampling pending receipt and verification of analytical results.

[20] System re-started briefly but shutdown to verify effluent air results.

STRATUS
ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date December 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 November 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for November 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. A total of approximately 19,890 gallons of treated groundwater were discharged to the sanitary sewer between October 30, 2007 and November 20, 2007.

If you have any questions or need any additional information, please call either Kiran Nagaraju at (530) 676 6007 or myself at (530) 676-6000.

Sincerely,

Jay R. Johnson, P.G.
Project Manager

cc: Mr. Rob Miller, Broadbent & Associates, Inc.

MONTHLY DISCHARGE REPORT
ARCO SERVICE STATION #2111, 1156 DAVIS STREET

This form and enclosed documents serve as the remediation activities monthly discharge report to the City of San Leandro for the reporting period of: October 30, 2007 to November 20, 2007. This report is submitted in compliance with 40 CFR 403.12 and Part III (A) of Special Discharge Permit **SD-036**. The information contained in this report is accurate and complete. For any questions or comments regarding this report, contact Kiran Nagaraju at (530) 676 6007.

Number of days discharged: 21

Total monthly discharge: 19,890 U. S. Gallons

Signature of Certifying Official: _____

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

Title: Project Manager

Date: December 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 is treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer. The remediation systems were found non-functioning on November 6, 2007, due to high-water level alarm on the air stripper. The remediation systems were re-started momentarily on November 6, 2007 and shutdown after sampling, pending receipt and verification of analytical results. Upon receipt of analytical results and compliance verification, the remediation systems were re-started on November 14, 2007. The remediation systems were found non-functioning during a site visit conducted on November 20, 2007 due to high-water level alarm on the air-stripper. The remediation systems were re-started on the same day after re-setting the air stripper.

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 1/29/07 8:00 1/29/07[1] 12:00 01/30/07 01/31/07	System Start-up 3,000 5,000 6,200 8,560	5,560
February-07	2/1/07 5:15 2/2/07 5:00 2/5/07 5:00 2/20/07 6:30	16,860 25,480 33,400 122,790	114,230
March-07	3/5/07[2] 5:00 3/8/07[3] 4:50 3/14/07[4] 7:00 3/29/07[5] 10:00	130,565 132,951 NM 133,262	10,472
April-07	4/2/07[6] 5:30 4/10/07[7] 5:00 4/23/07[8] 7:00 4/26/07 6:00	170,596 NM 172,210 200,143	66,881
May-07	5/1/2007[9] 4:50 5/15/2007[10] 5:00 5/29/07 8:30	220,892 225,297 410,246	210,103
June-07	6/4/2007[11] 5:00 6/12/2007[12] 5:00 6/26/2007[13] 4:30	429,450 430,092 430,222	19,976

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)
July-07	7/2/07 5:30 7/10/2007 [14] 5:45 7/17/2007 [15] 5:00	480,377 523,553 546,094	115,872
August-07	8/1/2007 [15] 5:00 8/7/07 5:00 8/20/2007 [15] 5:00	580,301 580,662 582,706	36,612
September-07	9/5/2007 [16] 5:00 9/11/2007 [17] 9:00 9/17/2007 [18] 5:30	589,944 589,950 591,443	8,737
October-07	10/1/07 [19] 5:00 10/11/07 [20] 8:15 10/23/07 [17] 5:00 10/30/07 [15] 7:10	592,403 NM NM 593,647	2,204
November-07	11/6/07 [11] 4:30 11/14/07 [17] 6:00 11/20/07 [15] 6:50	612,552 612,552 613,537	19,890

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.

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)

[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.

[14] System observed non-functioning upon arrival due to high-level in oil-water separator. System re-started after replacing particulate filters on the system.

[15] System observed non-functioning upon arrival due to high water level alarm on air stripper. System re-started after re-setting air stripper.

[16] System observed non-functioning upon arrival due to high-level in oil-water separator. System re-started, but shutdown after sampling pending receipt and verification of analytical results.

[17] System re-started upon receipt of analytical results and compliance verification.

[18] System observed non-functioning upon arrival due to high-level in oil-water separator. System re-started momentarily after conducting maintenance, but shutdown pending further troubleshooting.

[19] System re-started, but shutdown after sampling pending receipt and verification of analytical results.

[20] System re-started briefly but shutdown to verify effluent air results.

STRATUS
ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date January 4, 2008

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 December 2007
2	Table 1– Sewer Discharge Summary Report

Comments:

Dear Ms. Treece:

Please find attached for your review the *Monthly Discharge Report* for December 2007, for the remediation system at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. A total of approximately 19,586 gallons of treated groundwater were discharged to the sanitary sewer between November 20, 2007 and December 17, 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: November 20, 2007 to December 17, 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: 27

Total monthly discharge: 19,586 U. S. Gallons

Signature of Certifying Official: _____

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

Title: Project Manager

Date: January 4, 2008

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 is treated using the air stripper and two 2,000-pound carbon vessels in series prior to the discharge to the sewer. The remediation systems were found non-functioning on December 5, 2007 due to high-water level alarm on the air stripper. The remediation systems were re-started momentarily on December 5, 2007 and shutdown after sampling, pending receipt of analytical results. Upon receipt of analytical results and compliance verification, the remediation systems were re-started on December 17, 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

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November-07	11/6/07 [11] 4:30 11/14/07 [17] 6:00 11/20/07 [15] 6:50	612,552 612,552 613,537	19,890
December-07	12/5/07 [11] 5:00 12/17/07 [17] 4:30	633,121 633,123	19,586

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.

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)

[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.

[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.

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STRATUS
ENVIRONMENTAL, INC.

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

TRANSMITTAL

Date December 14, 2007

Project E2111-03

To:

Mr. Robert Cave

Bay Area Air Quality Management District

939 Ellis Street

San Francisco, CA 94109-7799

Re: Plant Number 16189, 1156 Davis Street, San Leandro, California

Item	Description
1	Completed Annual Data Update Form

Comments:

Dear Mr. Cave:

Please find attached for your review the completed *Annual Data Update Form* for the soil vapor extraction (SVE) system and air stripper installed at ARCO Service Station No. 2111, located at 1156 Davis Street, San Leandro, California. The operation of the SVE system, air stripper, and the groundwater extraction and treatment system (GETS) was initiated on January 29, 2007. The SVE system operated for a total of approximately 1,531 hours between January 2007 and December 2007. The average soil vapor flow rate during this period was 195.38 cfm. Additionally, the GETS discharged a total of approximately 630,121 gallons of treated groundwater between January 2007 and December 2007.

If you have any questions or need any additional information, please call Kiran Nagaraju at (530) 676-6007 or Jay Johnson at (530) 676-6000.

Sincerely,

Jay R. Johnson, P.G.
Project Manager

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

cc; SN

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

NOV 2 6 2007

PLANT# 16189

INFORMATION UPDATE

Date: Nov 12, 2007

TO: Arco #2111 c/o Stratus Environmental Inc
3330 Cameron Park Dr, Suite 550
Cameron Park, CA 95682

ATTN: Kiran Nagaraju, Staff Engineer

(530) 676-6007

Direct inquiries to:

Robert E Cave
(415) 749-5048

PLANT# 16189

Arco #2111 c/o Stratus Environmental Inc <----- Permitted Operator
1156 Davis Street
San Leandro, CA 94577

Information about certain sources of air pollution at your plant must be obtained annually. Please complete the enclosed Annual Update Forms, and return them by **Dec 17, 2007**, in the envelope provided.

IMPORTANT

Failure to provide the requested data may result in the suspension of your Permit to Operate and/or other legal action.

PLANT CLOSED — If this plant is no longer in operation, please write "CLOSED" on the top of this sheet and send it to us in the return envelope.

NEW OPERATOR — If the "Permitted Operator" shown above is incorrect, please mark corrections on this sheet and return it together with the COMPLETED Data Update Forms.

ENCLOSURES
1) Description of Annual Update Program,
2) Instructions for filling out forms,
3) Annual Update Forms for selected sources,
4) X-Forms (additional forms will be sent upon request)
5) Toxic Substance Checklist

NOV 10, 2007 BAY AREA AIR QUALITY MANAGEMENT DISTRICT 16189-1

Arco #2111 c/o Stratus Environmental Inc
1156 Davis Street
San Leandro, CA 94577

ANNUAL DATA UPDATE FORM

S# 1 GROUNDWATER TREATMENT SYSTEM **********

Water/organics mixture (1-G7155502)

12-month throughput, thou gallons 630

For period ending (date) . . . . . 1/29/07 to 12/5/07
Max throughput rate: .9 thou gallons/hr

Complete Form X, Part 2, for any other material used in this source.

S# 2 SOIL VAPOR EXTRACTION SYSTEM **********

Contaminated soil vapor (2-G7156572)

12-month throughput, cubic feet 17,947,607

For period ending (date) . . . . . 1/29/07 to 12/5/07
Max throughput rate: 16500 cubic feet/hr

Complete Form X, Part 2, for any other material used in this source.