



Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 1257
San Ramon, CA 94583
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31 July 2007

Re: Second Quarter 2007 Ground-Water Monitoring and Remediation System Status Report
Atlantic Richfield Company (a BP affiliated company) Station #608
17601 Hesperian Boulevard
San Lorenzo, California
ACEH Case #RO0000255

"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

RECEIVED

2:12 pm, Aug 01, 2007

Alameda County
Environmental Health



**Second Quarter 2007 Ground-Water Monitoring
and Remediation System Status Report**
Atlantic Richfield Company Station #608
17601 Hesperian Boulevard
San Lorenzo, California

Prepared for

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

Prepared by



1324 Mangrove Avenue, Suite 212
Chico, California 95926
(530) 566-1400
www.broadbentinc.com

31 July 2007

Project No. 06-08-606

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

Attn.: Mr. Paul Supple

Re: Second Quarter 2007 Ground-Water Monitoring and Remediation System Status Report,
Atlantic Richfield Company (a BP affiliated company) Station #608, 17601 Hesperian Blvd.,
San Lorenzo, Alameda County, California; ACEH Case #RO0000255

Dear Mr. Supple:

Provided herein is the *Second Quarter 2007 Ground-Water Monitoring and Remediation System Status Report* for Atlantic Richfield Company Station #608 (herein referred to as Station #608) located at 17601 Hesperian Boulevard, San Lorenzo, California (Site). This report presents a summary of Second Quarter 2007 ground-water monitoring/sampling results and remediation system operation and maintenance.

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

Sincerely,

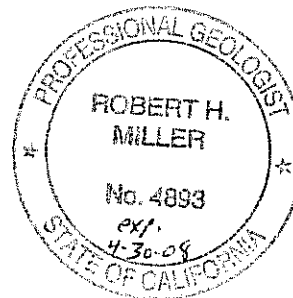
BROADBENT & ASSOCIATES, INC.



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)
Electronic copy uploaded to GeoTracker

STATION #608 QUARTERLY GROUND-WATER MONITORING REPORT AND REMEDIATION SYSTEM STATUS REPORT

Facility: #608	Address:	<u>17601 Hesperian Boulevard, San Lorenzo</u>
Environmental Business Manager:		<u>Mr. Paul Supple</u>
Consulting Co./Contact Persons:		<u>Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus (530) 566-1400</u>
Consultant Project No.:		<u>06-08-606</u>
Primary Agency/Regulatory ID No.:		<u>Alameda County Environmental Health (ACEH) ACEH Case #RO0000255</u>
Facility Permits/Permitting Agency:		<u>Oro Loma Sanitary District Permit #SDP-037</u>

WORK PERFORMED THIS QUARTER (Second Quarter 2007):

1. Prepared and submitted First Quarter 2007 report.
2. Conducted ground-water monitoring/sampling for Second Quarter 2007. Work performed on 20 June 2007 by Stratus Environmental, Inc (Stratus).
3. Continued operation, maintenance and performance monitoring of the ground-water extraction and treatment (GWET) system.
4. Submitted monthly discharge reports for April-June 2007 to Oro Loma Sanitary District. Reports. Reports submitted by Stratus dated 9 May, 8 June and 9 July 2007.

WORK PROPOSED FOR NEXT QUARTER (Third Quarter 2007):

1. Prepared and submitted Second Quarter 2007 Report (contained herein).
2. Conduct ground-water monitoring/sampling for Third Quarter 2007.
3. Continue operation, maintenance, and performance monitoring of GWET system.
4. Submit monthly discharge reports for July 2007 through September 2007 to Oro Loma Sanitary District.
5. Submit proposal to ACEH to cease active GWET system remediation due to negligible residual contamination remediation.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	<u>Ground-water monitoring/sampling/remediation</u>
Frequency of ground-water monitoring:	<u>Quarterly: E-1A, MW-5, MW-8, MW-9, MW-10, MW-11, MW-14, MW-15, MW-16, MW-18, MW-21, MW-22, MW-23, MW-25, MW-26</u>
Frequency of ground-water sampling:	<u>See Table 4</u>
Is free product (FP) present on-site:	<u>No</u>
FP recovered this quarter:	<u>None</u>
Depth to ground water (below TOC):	<u>9.33 ft (MW-14) to 18.71 ft (E-1A)</u>
General ground-water flow direction:	<u>West</u>
Approximate hydraulic gradient:	<u>0.004 ft/ft</u>
Current remediation techniques:	<u>GWET; Three 2,400-lb carbon vessels in series</u>
Frequency of GWET system field monitoring:	<u>Bi-weekly</u>
Frequency of GWET system laboratory sampling:	<u>Monthly</u>
Extraction well:	<u>E-1A</u>
Gallons of ground water treated and discharged for this quarter:	<u>77,401</u>

QUARTERLY RESULTS SUMMARY (Continued):

Total gallons of ground water treated and discharged:	8,836,531	To date	77,401	This period
Total operation hours:	82,983	To date	1,849	This period
Mass Removal (pounds)	Quarterly		Cumulative	
Gasoline range organics (GRO):	0.000		7.56	
Benzene:	0.000		0.31	
Methyl-tert butyl ether (MTBE):	0.002		2.971	
GWET system samples collection dates and influent results (µg/L):	04/16/2007	05/01/2007	06/04/2007	
GRO:	<50	<50	<50	
Benzene:	<0.50	<0.50	<0.50	
MTBE:	6.5	6.9	7.1	
GWET system samples collection dates and effluent results (µg/L):	04/16/2007	05/01/2007	06/04/2007	
GRO:	<50	<50	<50	
Benzene:	<0.50	<0.50	<0.50	
MTBE:	<0.50	<0.50	<0.50	

DISCUSSION:

Second Quarter 2007 ground-water monitoring and sampling was conducted at Station #608 on 20 June 2007 by Stratus personnel. Water levels were gauged in the 15 monitoring wells associated with the Site. No other irregularities were noted during water level gauging. Depth to water measurements ranged from 9.33 ft at MW-14 to 18.71 ft at MW-5. Resulting ground-water surface elevations ranged from 24.93 ft above mean sea level in up-gradient well MW-25 to 15.59 ft at well E-1A. 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 0.004 ft/ft, consistent with historical data (see Table 3). Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground-water and respective ground-water elevations are summarized in Table 1. Potentiometric ground-water elevation contours are presented in Drawing 1.

Water samples were collected from three of the wells associated with the Site, inconsistent with the sampling schedule presented in Table 4. Well 642H is a former private water supply well and was not sampled because property access could not be obtained. Well 17372VM was not sampled because the pump within in the well is non-operational. No other irregularities were reported during sampling. Samples were submitted under chain-of-custody protocol to Test America Analytical Testing Corporation (Morgan Hill, California), for analysis of Gasoline Range Organics (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. No significant irregularities were encountered during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline range organics (GRO) were detected above the laboratory reporting limits in one of the three wells sampled at a concentration of 300 micrograms per liter (µg/L) in well MW-10. TAME was

detected above the laboratory reporting limit in one well, MW-25 at a concentration of 1.3 µg/L. MTBE was detected above the laboratory reporting limit in each of the three wells sampled at concentrations up to 6.8 µg/L in well E-1A. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the wells sampled this quarter. The concentration of MTBE detected in well MW-10 (5.9 µg/L) was the lowest concentration observed in this well to date. The concentration of TAME detected in well MW-25 (1.3 µg/L) was also the lowest concentration observed in this well to date. Otherwise, detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well. 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 C.

For the Second Quarter 2007 period from 2 April 2007 to 26 June 2007, the GWET system operated 87.5 percent of the time (1,849 hours). During this period, a total of 77,401 gallons of ground water was treated and discharged. No GRO was reported removed during the Second Quarter 2007, keeping the total GRO removed to date at 7.56 pounds (1.24 gallons). No Benzene was reported removed during the First Quarter 2007, keeping the total Benzene removed to date at 0.31 pounds (0.04 gallons). For the Second Quarter 2007, approximately 0.002 pounds of MTBE was removed, increasing the total MTBE removed to date to 2.971 pounds (0.48 gallons). GWET system mass removal trends for GRO and Benzene are shown in Figure 1. GWET system concentration trends for GRO and Benzene are shown in Figure 2. GWET system mass removal trend for MTBE is shown in Figure 3. GWET system concentration trend for MTBE is shown in Figure 4. Performance data for the GWET system is summarized in Table 5.

Based on the hour-meter reading, the GWET system operated for approximately 77 days between 2 April 2007 and 26 June 2007. The GWET system was shutdown on 2 April 2007 because the flow totalizer was found to be non-operational. The totalizer was replaced on 10 April 2007 and the system was restarted. Influent, mid-fluent, and effluent water samples were collected for analysis of GRO, BTEX, MTBE, TAME, DIPE, ETBE, and TBA on 16 April, 1 May, and 4 June 2007. The effluent samples were also analyzed for Total Suspended Solids and Chemical Oxygen Demand. Since MTBE was reported in the mid-fluent water samples collected on 4 June 2007 at 6.7 µg/L (GAC 1) and 4.7 µg/L (GAC 2), a carbon change-out will be scheduled during July 2007. Results from these laboratory analyses can be found in the Monthly Discharge Reports provided within Appendix B and are summarized in Table 6.

CLOSURE:

The findings presented in this report are based upon: observations of Stratus field personnel (see Appendix A), 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.

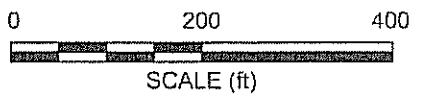
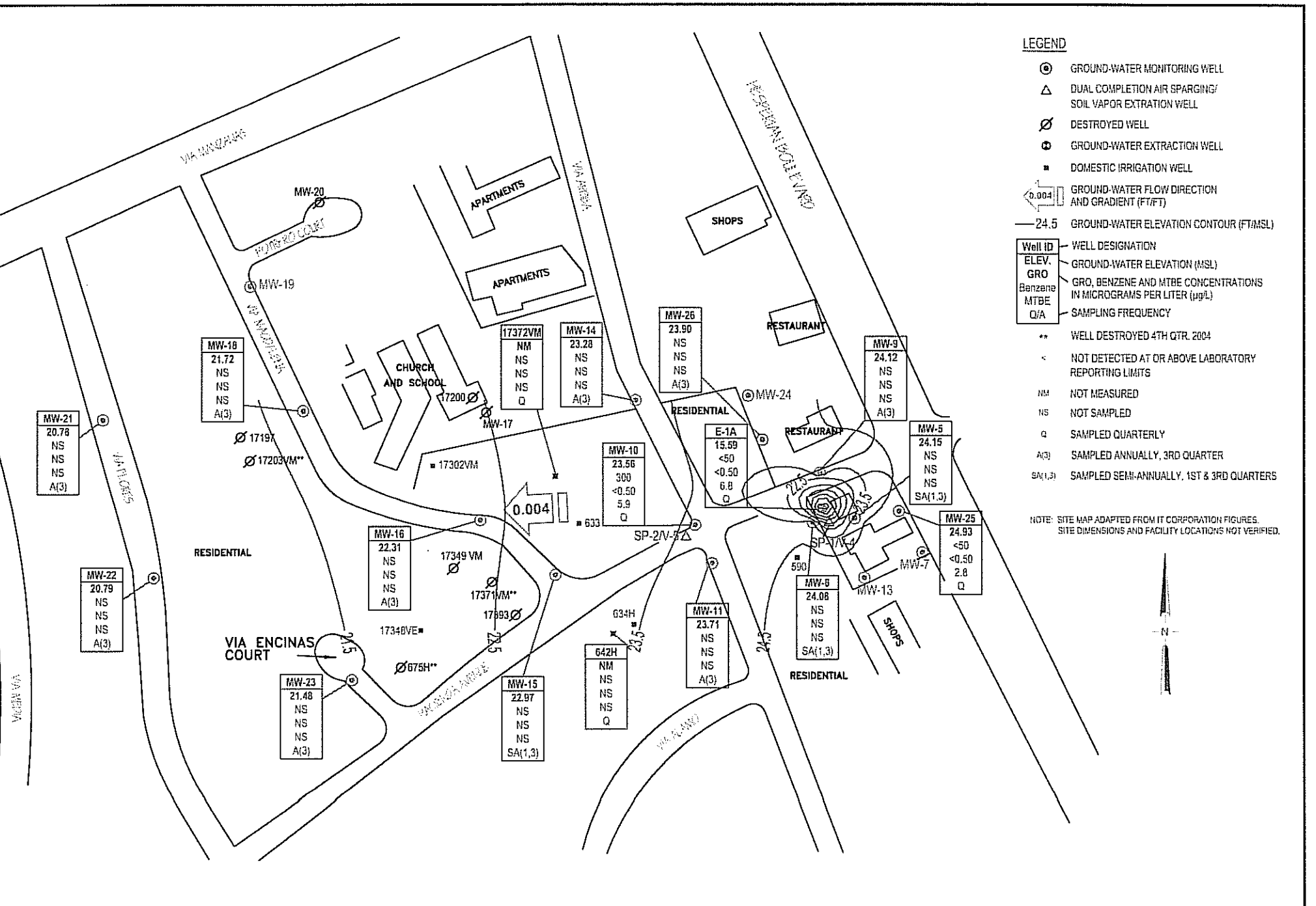
ATTACHMENTS:

- Drawing 1. Ground-Water Elevation Contours and Analytical Summary Map, 20 June 2007, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Figure 1. Ground-Water Extraction System Mass Removal Trends, TPH-g/GRO and Benzene, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Figure 2. Ground-Water Extraction System Concentration Trends, TPH-g/GRO and Benzene, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Figure 3. Ground-Water Extraction System Mass Removal Trend, MTBE, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Figure 4. Ground-Water Extraction System Concentration Trend, MTBE, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #608, 17601 Hesperian Blvd., San Lorenzo, CA
- Table 2. Summary of Fuel Additives Analytical Data, Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA
- Table 3. Historical Ground-Water Flow Direction and Gradient, Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA
- Table 4. Ground-Water Sampling Schedule, Atlantic Richfield Company Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Table 5. Ground-Water Extraction System Performance Data, Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA
- Table 6. Treatment System Analytical Data, Station #601, Station #608, 17601 Hesperian Blvd., San Lorenzo, CA
- Appendix A. Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets and Laboratory Analytical Report with Chain-of-Custody Documentation)
- Appendix B. System O&M Data Packages and Monthly Discharge Reports (Includes Field Data Sheets and Laboratory Analytical Reports with Chain-of-Custody Documentation)
- Appendix C. GeoTracker Upload Confirmations

LEGEND

- ⊙ GROUND-WATER MONITORING WELL
 - △ DUAL COMPLETION AIR SPARGING/
SOIL VAPOR EXTRACTION WELL
 - ⊘ DESTROYED WELL
 - ⊕ GROUND-WATER EXTRACTION WELL
 - DOMESTIC IRRIGATION WELL
 - ← 0.004 GROUND-WATER FLOW DIRECTION
AND GRADIENT (FT/FT)
 - 24.5 GROUND-WATER ELEVATION CONTOUR (FT/MSL)
- | Well ID | WELL DESIGNATION |
|---------|--|
| ELEV. | GROUND-WATER ELEVATION (MSL) |
| GRO | GRO, BENZENE AND MTBE CONCENTRATIONS
IN MICROGRAMS PER LITER (µg/L) |
| Benzene | |
| MTBE | |
| Q/A | SAMPLING FREQUENCY |
- ** WELL DESTROYED 4TH QTR. 2004
 - < NOT DETECTED AT OR ABOVE LABORATORY
REPORTING LIMITS
 - NM NOT MEASURED
 - NS NOT SAMPLED
 - Q SAMPLED QUARTERLY
 - A(3) SAMPLED ANNUALLY, 3RD QUARTER
 - SA(1,3) SAMPLED SEMI-ANNUALLY, 1ST & 3RD QUARTERS

NOTE: SITE MAP ADAPTED FROM ITC CORPORATION FIGURES.
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926
Project No.: 06-08-606 Date: 7/19/07

ARCO Service Station #608
17601 Hesperian Boulevard
San Lorenzo, California

Ground-Water Elevation Contours
and Analytical Summary Map
20 June 2007

Drawing
1

Figure 1
Ground-Water Extraction System Mass Removal Trends
TPH-g/GRO and Benzene
ARCO Service Station #608
17601 Hesperian Boulevard
San Lorenzo, California

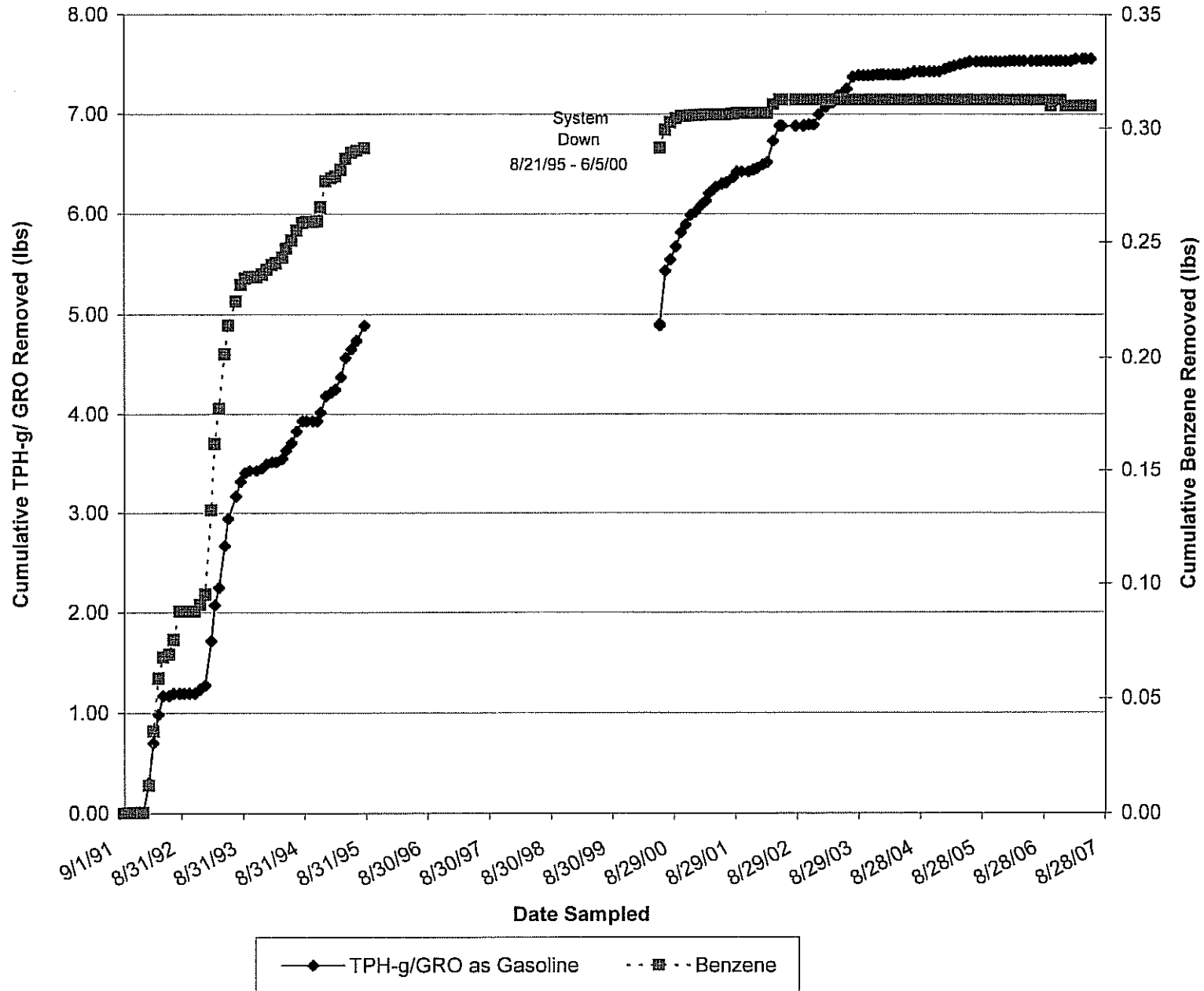


Figure 2
Ground-Water Extraction System Concentration Trends
TPH-g/ GRO and Benzene

ARCO Service Station #608
17601 Hesperian Boulevard
San Lorenzo, California

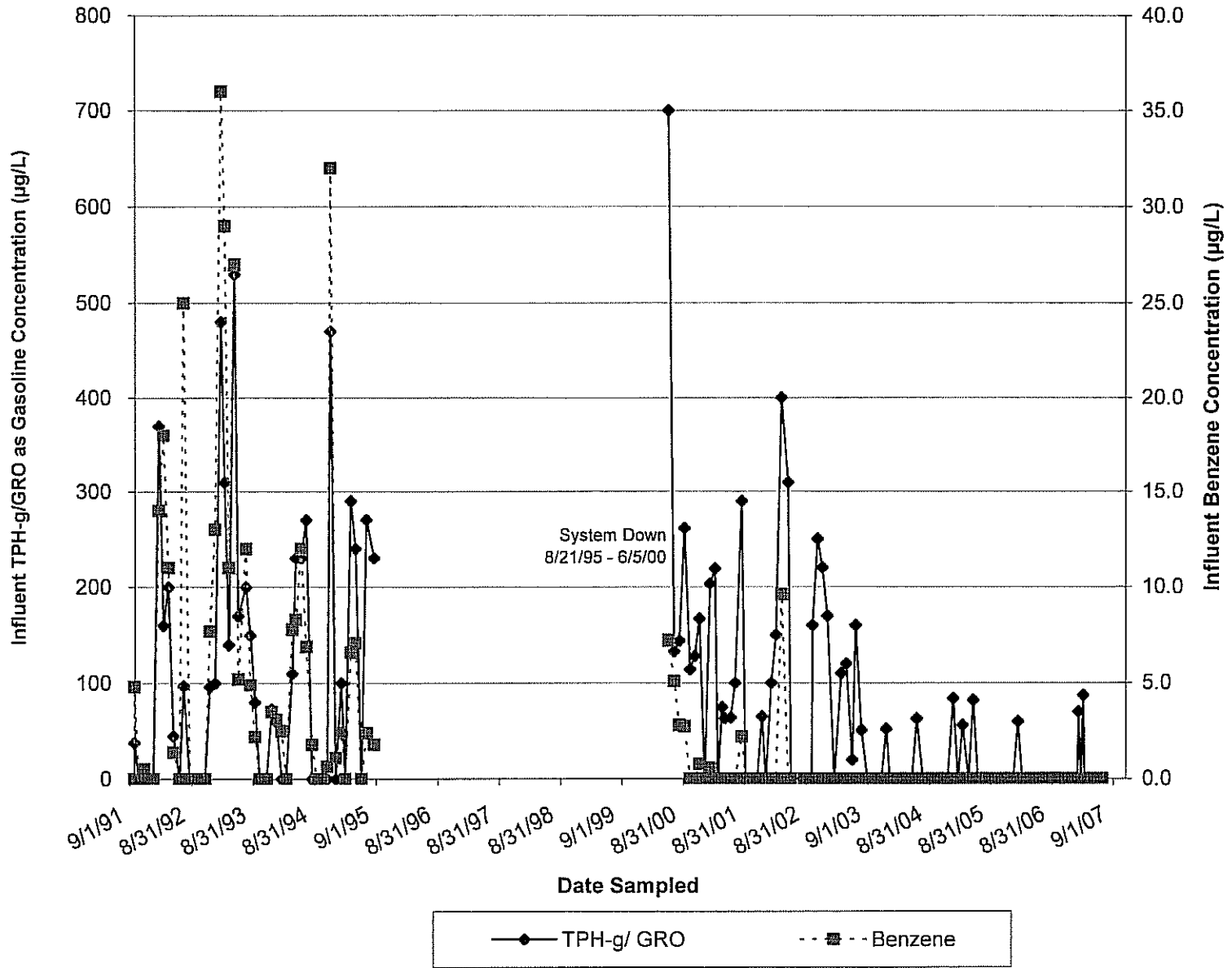


Figure 3
Ground-Water Extraction System Mass Removal Trend
MTBE

ARCO Service Station #608
17601 Hesperian Boulevard
San Lorenzo, California

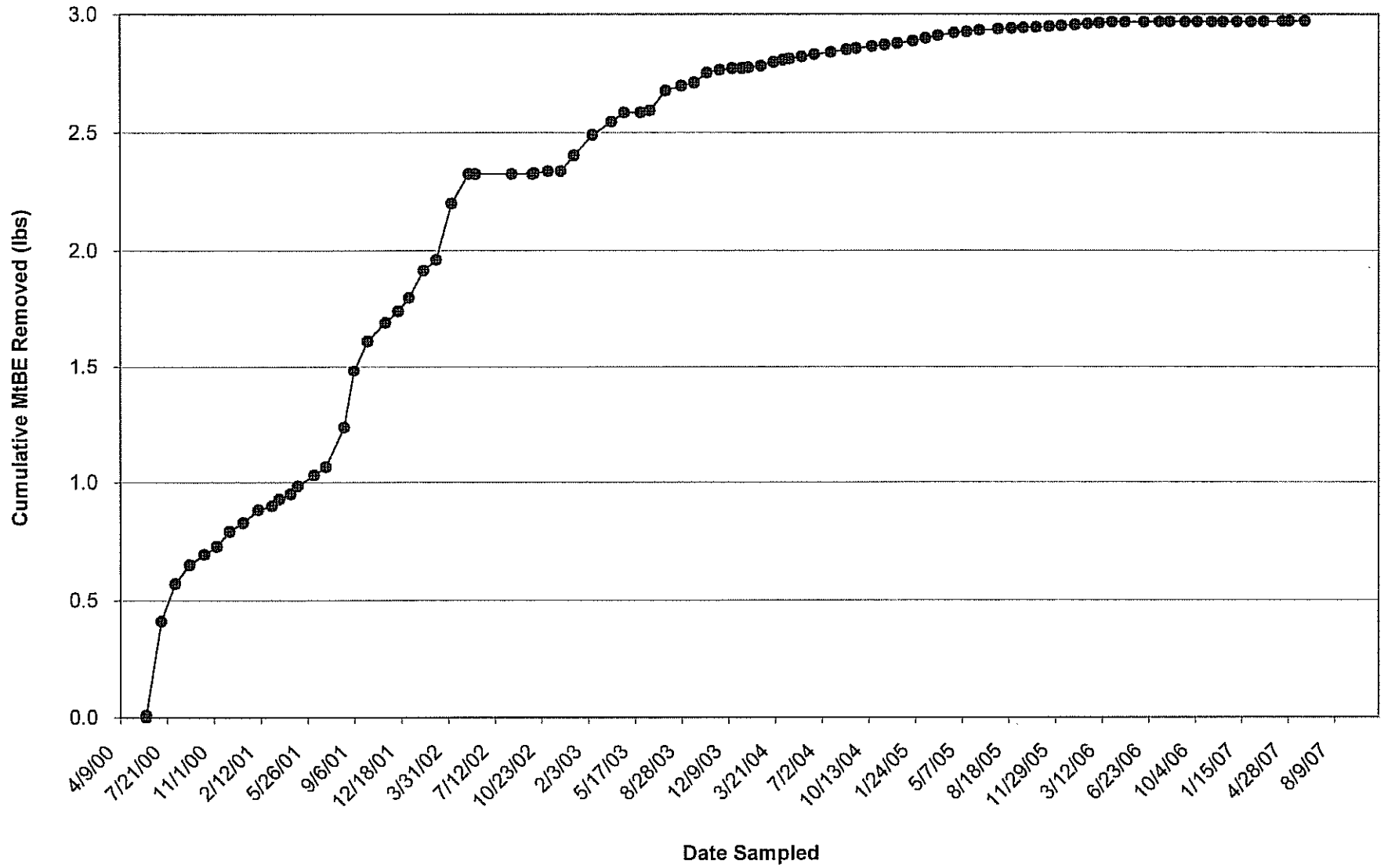


Figure 4
Ground-Water Extraction System Concentration Trend
MTBE

ARCO Service Station #608
17601 Hesperian Boulevard
San Lorenzo, California

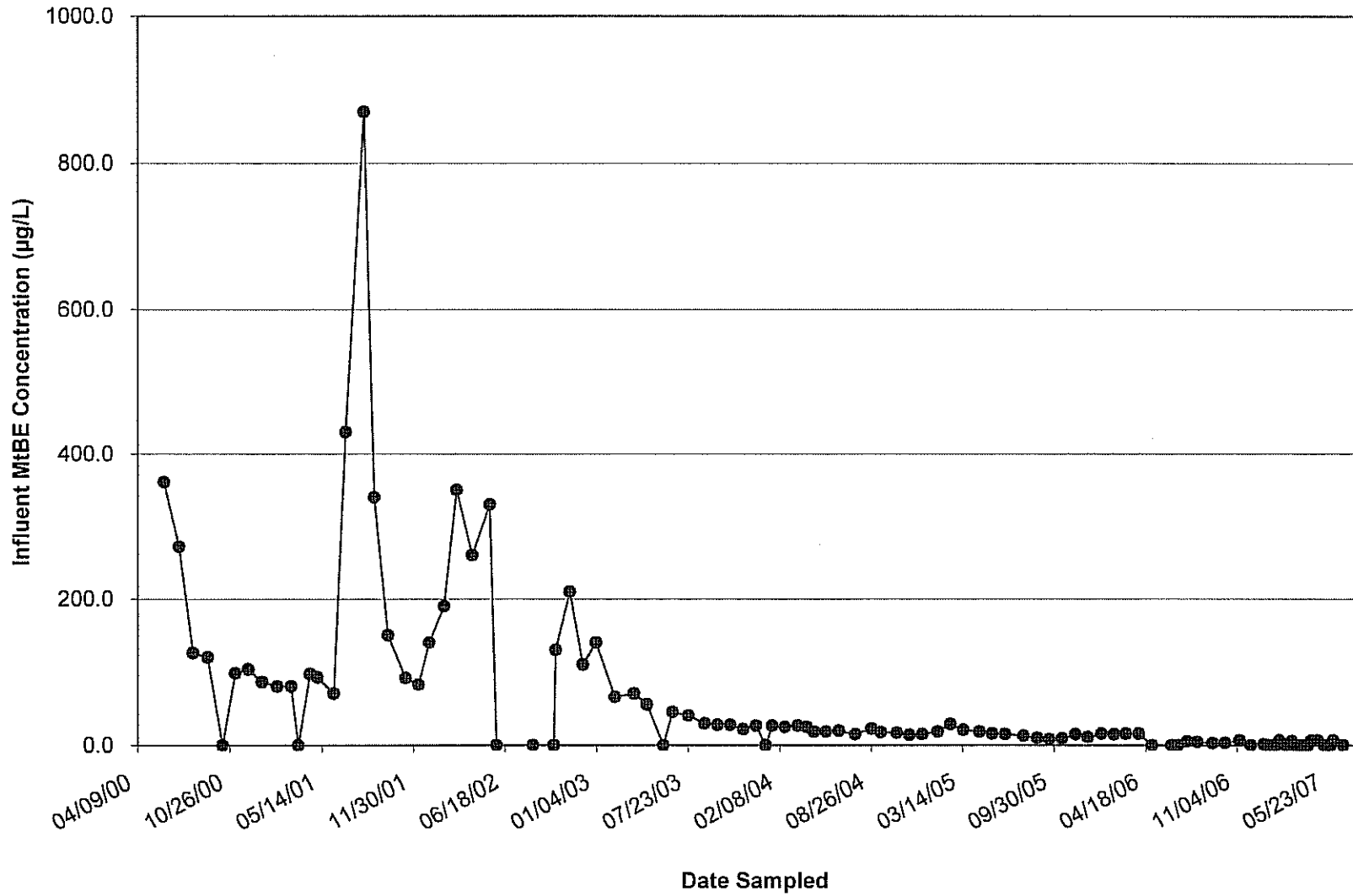


Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #608, 17601 Hesperian Boulevard, San Lorenzo, 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
17349 VM															
3/13/2002	--		--	--	--	--	--	<50	1	<0.50	<0.50	<0.50	49	--	--
6/28/2002	--	l	--	--	--	--	--	66	0.50	<0.50	<0.50	<0.50	47/45	--	--
9/20/2002	--	k	--	--	--	--	--	--	--	--	--	--	--	--	--
17372 VM															
3/13/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
9/20/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
12/30/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
3/27/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
9/15/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
12/04/2003	NP		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	7.2
03/10/2004	--	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
06/10/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.1	6.9
09/22/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	7.2
12/13/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.76	7.6
03/10/2005	NP	m	--	--	--	--	--	<100	<0.50	<0.50	<0.50	<4.0	<0.50	7.5	8.0
06/29/2005	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
09/14/2005	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
12/13/2005	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/2006	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
6/22/2006	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/2006	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
12/7/2006	--	j	--	--	--	--	--	--	--	--	--	--	--	--	--
642 H															
3/13/2002	--	j	--	--	--	--	--	--	--	--	--	--	--	--	--
6/28/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
9/20/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
12/30/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
3/27/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--

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

Station #608, 17601 Hesperian Boulevard, San Lorenzo, 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
642 H Cont.															
6/30/2003	--	j	--	--	--	--	--	--	--	--	--	--	--	--	--
9/15/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
12/04/2003	NP		--	--	--	14.75	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	7.1
06/10/2004	--	n	--	--	--	--	--	--	--	--	--	--	--	7.9	--
09/22/2004	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
12/13/2004	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/2005	--	n	--	--	--	--	--	--	--	--	--	--	--	--	--
06/29/2005	--	n	--	--	--	--	--	--	--	--	--	--	--	--	--
09/14/2005	--	n	--	--	--	--	--	--	--	--	--	--	--	--	--
12/13/2005	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/2006	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
6/22/2006	--	j	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/2006	--	j	--	--	--	--	--	--	--	--	--	--	--	--	--
12/7/2006	--	j	--	--	--	--	--	--	--	--	--	--	--	--	--
E-1A															
3/13/2002	--	n	33.06	--	--	21.75	11.31	200	<0.50	<0.50	<0.50	<0.50	310	--	--
6/28/2002	--	b	33.06	--	--	11.22	21.84	260	<0.50	11	1.2	1.2	150	--	--
9/20/2002	--		33.06	--	--	11.80	21.26	250	1.18	0.52	<0.5	<1.5	218	--	--
12/30/2002	--	c, c	33.06	--	--	16.33	16.73	190	<1.2	<1.2	<1.2	<1.2	190	--	--
3/27/2003	--	g	33.06	--	--	13.63	19.43	96	<0.50	<0.50	<0.50	<0.50	60	--	--
6/30/2003	P	h	33.06	--	--	9.60	23.46	140	<0.50	<0.50	<0.50	<0.50	37	--	--
9/15/2003	P	g	33.06	--	--	17.80	15.26	83	<0.50	<0.50	<0.50	<0.50	49	--	--
12/04/2003	NP	g	33.06	--	--	18.73	14.33	<50	<0.50	<0.50	<0.50	<0.50	19	4.3	7.0
03/10/2004	NP	g	34.30	--	--	16.78	17.52	<100	<1.0	<1.0	<1.0	<1.0	38	4.9	7.2
06/10/2004	NP	g, p	34.30	--	--	16.67	17.63	74	<0.50	<0.50	<0.50	<0.50	46	2.0	6.7
09/22/2004	NP		34.30	--	--	18.46	15.84	<50	<0.50	<0.50	<0.50	<0.50	17	--	7.0
12/13/2004	NP		34.30	--	--	17.56	16.74	<50	<0.50	<0.50	<0.50	<0.50	15	7.13	6.9
03/10/2005	NP		34.30	--	--	14.60	19.70	<100	<0.50	<0.50	<0.50	<4.0	22	6.6	8.0
06/29/2005	NP		34.30	--	--	15.13	19.17	<50	<0.50	0.91	<0.50	<0.50	14	6.73	7.3
09/14/2005	NP		34.30	--	--	16.90	17.40	<50	<0.50	<0.50	<0.50	<0.50	13	5.4	6.7

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

Station #608, 17601 Hesperian Boulevard, San Lorenzo, 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
E-1A Cont.															
12/13/2005	NP		34.30	--	--	18.84	15.46	<50	<0.50	<0.50	<0.50	<0.50	12	8.3	7.1
03/20/2006	--	h	34.30	--	--	13.55	20.75	--	--	--	--	--	--	--	--
6/22/2006	NP		34.30	--	--	13.82	20.48	<50	<0.50	<0.50	<0.50	<0.50	13	5.2	7.5
9/22/2006	P		34.30	--	--	14.22	20.08	<50	<0.50	<0.50	<0.50	<0.50	12	2.65	7.7
12/7/2006	--	j	34.30	--	--	--	--	--	--	--	--	--	--	--	--
3/12/2007	P		34.30	--	--	11.72	22.58	61	<0.50	<0.50	<0.50	<0.50	5.6	--	--
6/20/2007	NP		34.30	--	--	18.71	15.59	<50	<0.50	<0.50	<0.50	<0.50	6.8	3.40	7.35
MW-1															
3/15/1996	--		175.04	--	--	14.24	160.80	--	--	--	--	--	--	--	--
MW-5															
3/13/2002	--		33.99	--	--	11.46	22.53	530	<2.5	<2.5	<2.5	<2.5	230	--	--
6/28/2002	--	b	33.99	--	--	11.75	22.24	180	<1.0	2.6	<1.0	1.2	230	--	--
9/20/2002	--		33.99	--	--	12.15	21.84	<50	<0.50	<0.50	<0.50	<1.50	333	--	--
12/30/2002	--		33.99	--	--	9.73	24.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
3/27/2003	--		33.99	--	--	11.24	22.75	100	<0.50	<0.50	<0.50	<0.50	59	--	--
6/30/2003	--		33.99	--	--	11.62	22.37	91	<0.50	<0.50	<0.50	<0.50	58	--	--
9/15/2003	--		33.99	--	--	12.13	21.86	<250	<2.5	<2.5	<2.5	<2.5	61	--	--
12/04/2003	P		33.99	--	--	11.85	22.14	81	<0.50	<0.50	<0.50	<0.50	42	1.7	7.0
03/10/2004	P		35.97	--	--	10.34	25.63	<50	<0.50	<0.50	<0.50	<0.50	9.5	1.2	6.6
06/10/2004	P		35.97	--	--	11.65	24.32	55	<0.50	<0.50	<0.50	<0.50	31	1.3	7.0
09/22/2004	P		35.97	--	--	12.23	23.74	<50	<0.50	<0.50	<0.50	<0.50	15	0.8	6.8
12/13/2004	P		35.97	--	--	11.16	24.81	<50	<0.50	<0.50	<0.50	<0.50	5.4	3.76	6.8
03/10/2005	P		35.97	--	--	9.90	26.07	<100	<0.50	<0.50	<0.50	<4.0	3.3	2.6	7.7
06/29/2005	P		35.97	--	--	11.35	24.62	<50	<0.50	<0.50	<0.50	<0.50	6.7	0.93	6.6
09/14/2005	P		35.97	--	--	11.80	24.17	<50	<0.50	0.91	<0.50	0.68	13	0.8	6.9
12/13/2005	--		35.97	--	--	11.60	24.37	--	--	--	--	--	--	--	--
03/20/2006	P		35.97	--	--	10.04	25.93	<50	<0.50	<0.50	<0.50	<0.50	3.8	0.8	7.1
6/22/2006	--		35.97	--	--	11.33	24.64	--	--	--	--	--	--	--	--
9/22/2006	P		35.97	--	--	11.57	24.40	<50	<0.50	<0.50	<0.50	<0.50	12	1.12	7.1

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Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-5 Cont.															
12/7/2006	--		35.97	--	--	11.71	24.26	--	--	--	--	--	--	--	--
3/12/2007	P		35.97	--	--	10.86	25.11	<50	<0.50	0.60	<0.50	<0.50	5.8	2.55	7.17
6/20/2007	--		35.97	--	--	11.82	24.15	--	--	--	--	--	--	--	--
MW-8															
3/13/2002	--		32.79	--	--	10.30	22.49	500	<2.5	<2.5	<2.5	<2.5	1,100	--	--
6/28/2002	--	b	32.79	--	--	10.30	22.49	150	<0.50	2.9	0.54	1.5	130	--	--
9/20/2002	--		32.79	--	--	10.84	21.95	<50	<0.50	<0.50	<0.50	<1.50	273	--	--
12/30/2002	--		32.79	--	--	8.31	24.48	<50	<0.50	<0.50	<0.50	<0.50	5.5	--	--
3/27/2003	--		32.79	--	--	9.85	22.94	63	<0.50	<0.50	<0.50	<0.50	33	--	--
6/30/2003	--		32.79	--	--	10.20	22.59	<50	<0.50	<0.50	<0.50	<0.50	15	--	--
9/15/2003	--		32.79	--	--	10.69	22.10	59	<0.50	<0.50	<0.50	<0.50	41	--	--
12/04/2003	P		32.79	--	--	10.43	22.36	<50	<0.50	<0.50	<0.50	<0.50	24	1.0	7.0
03/10/2004	P		34.47	--	--	9.04	25.43	<50	<0.50	<0.50	<0.50	<0.50	2.4	0.9	6.8
06/10/2004	P		34.47	--	--	10.40	24.07	<50	<0.50	<0.50	<0.50	<0.50	2.1	0.6	7.0
09/22/2004	P		34.47	--	--	10.74	23.73	84	<0.50	<0.50	<0.50	<0.50	18	0.9	6.9
12/13/2004	P		34.47	--	--	9.73	24.74	<50	<0.50	<0.50	<0.50	<0.50	7.1	0.95	6.8
03/10/2005	P		34.47	--	--	8.17	26.30	<100	<0.50	<0.50	<0.50	<4.0	1.4	2.0	7.4
06/29/2005	P		34.47	--	--	9.93	24.54	<50	<0.50	<0.50	<0.50	<0.50	1.7	1.72	7.0
09/14/2005	P		34.47	--	--	10.35	24.12	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
12/13/2005	--		34.47	--	--	10.18	24.29	--	--	--	--	--	--	--	--
03/20/2006	P		34.47	--	--	8.65	25.82	<50	<0.50	<0.50	<0.50	<0.50	0.60	1.8	7.1
6/22/2006	--		34.47	--	--	9.91	24.56	--	--	--	--	--	--	--	--
9/22/2006	P		34.47	--	--	10.25	24.22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.10	7.0
12/7/2006	--		34.47	--	--	10.21	24.26	--	--	--	--	--	--	--	--
3/12/2007	P		34.47	--	--	9.46	25.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.96	7.54
6/20/2007	--		34.47	--	--	10.39	24.08	--	--	--	--	--	--	--	--
MW-9															
3/13/2002	--		32.11	--	--	9.49	22.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--		32.11	--	--	9.78	22.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes			MTBE
MW-9 Cont.															
9/20/2002	--		32.11	--	--	10.29	21.82	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
12/30/2002	--		32.11	--	--	7.60	24.51	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
3/27/2003	--		32.11	--	--	9.14	22.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/30/2003	--	u	32.11	--	--	9.64	22.47	--	--	--	--	--	--	--	--
9/15/2003	--		32.11	--	--	10.12	21.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
12/04/2003	--	u	32.11	--	--	--	--	--	--	--	--	--	--	--	--
03/10/2004	P		34.00	--	--	8.46	25.54	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	7.3
06/10/2004	--	u	34.00	--	--	9.88	24.12	--	--	--	--	--	--	--	--
09/22/2004	P		34.00	--	--	10.05	23.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.0
12/13/2004	--	u	34.00	--	--	9.17	24.83	--	--	--	--	--	--	--	--
03/10/2005	P		34.00	--	--	8.17	25.83	<100	<0.50	<0.50	<0.50	<4.0	<0.50	2.2	7.7
06/29/2005	--		34.00	--	--	9.28	24.72	--	--	--	--	--	--	--	--
09/14/2005	P		34.00	--	--	9.70	24.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.8
12/13/2005	--		34.00	--	--	9.64	24.36	--	--	--	--	--	--	--	--
03/20/2006	--		34.00	--	--	8.23	25.77	--	--	--	--	--	--	--	--
6/22/2006	--		34.00	--	--	9.37	24.63	--	--	--	--	--	--	--	--
9/22/2006	P		34.00	--	--	9.74	24.26	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.38	7.2
12/7/2006	--		34.00	--	--	9.67	24.33	--	--	--	--	--	--	--	--
3/12/2007	--		34.00	--	--	8.93	25.07	--	--	--	--	--	--	--	--
6/20/2007	--		34.00	--	--	9.88	24.12	--	--	--	--	--	--	--	--
MW-10															
3/13/2002	--		31.67	--	--	9.68	21.99	680	<5.0	<5.0	<5.0	<5.0	570	--	--
6/28/2002	--	b	31.67	--	--	9.84	21.83	820	<2.0	<2.0	<2.0	<2.0	1,200	--	--
9/20/2002	--		31.67	--	--	10.37	21.30	194	<0.50	<0.50	<0.50	<1.50	575	--	--
12/30/2002	--		31.67	--	--	7.70	23.97	<50	<0.50	<0.50	<0.50	<0.50	490	--	--
3/27/2003	--		31.67	--	--	9.33	22.34	530	<5.0	<5.0	<5.0	<5.0	330	--	--
6/30/2003	--		31.67	--	--	9.75	21.92	<1,000	<10	<10	<10	<10	750	--	--
9/15/2003	P		31.67	--	--	10.17	21.50	<500	<5.0	<5.0	<5.0	<5.0	430	--	--
12/04/2003	P		31.67	--	--	9.95	21.72	<250	<2.5	<2.5	<2.5	<2.5	110	--	6.9
03/10/2004	P		33.50	--	--	8.57	24.93	420	<2.5	<2.5	<2.5	<2.5	140	1.2	6.5

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-10 Cont.															
06/10/2004	--		33.50	--	--	9.95	23.55	600	<5.0	<5.0	<5.0	<5.0	410	--	6.9
09/22/2004	P		33.50	--	--	10.23	23.27	560	<0.50	<0.50	<0.50	<0.50	87	0.8	6.9
12/13/2004	P		33.50	--	--	9.28	24.22	290	<1.0	<1.0	<1.0	<1.0	110	1.6	6.5
03/10/2005	P		33.50	--	--	7.97	25.53	280	<0.50	<0.50	<0.50	<4.0	86	3.2	7.3
06/29/2005	P		33.50	--	--	9.45	24.05	<250	<2.5	<2.5	<2.5	<2.5	160	1.13	6.8
09/14/2005	P		33.50	--	--	9.92	23.58	340	<2.5	<2.5	<2.5	<2.5	140	0.7	6.9
12/13/2005	P		33.50	--	--	9.73	23.77	270	<0.50	<0.50	<0.50	<0.50	47	1.8	6.5
03/20/2006	P		33.50	--	--	8.17	25.33	270	<0.50	<0.50	<0.50	<0.50	34	1.1	6.9
6/22/2006	P		33.50	--	--	9.42	24.08	250	<0.50	<0.50	<0.50	<0.50	21	1.74	7.0
9/22/2006	P		33.50	--	--	9.88	23.62	270	<0.50	<0.50	<0.50	<0.50	11	1.39	7.0
12/7/2006	P		33.50	--	--	9.78	23.72	360	<0.50	<0.50	<0.50	<0.50	10	0.89	7.10
3/12/2007	P		33.50	--	--	9.00	24.50	300	<0.50	<0.50	<0.50	<0.50	18	0.98	7.25
6/20/2007	P		33.50	--	--	9.94	23.56	300	<0.50	<0.50	<0.50	<0.50	5.9	6.47	7.18
MW-11															
3/13/2002	--		32.54	--	--	10.38	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--		32.54	--	--	10.74	21.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
9/20/2002	--		32.54	--	--	11.27	21.27	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
12/30/2002	--		32.54	--	--	8.73	23.81	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
3/27/2003	--		32.54	--	--	10.25	22.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/30/2003	--		32.54	--	--	10.65	21.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
9/15/2003	--		32.54	--	--	11.03	21.51	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
12/04/2003	P		32.54	--	--	10.84	21.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	7.0
03/10/2004	P		34.55	--	--	9.41	25.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	6.9
06/10/2004	--		34.55	--	--	10.82	23.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.9
09/22/2004	P		34.55	--	--	11.10	23.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.9
12/13/2004	P		34.55	--	--	10.19	24.36	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.83	6.6
03/10/2005	P		34.55	--	--	8.87	25.68	<100	<0.50	<0.50	<0.50	<4.0	<0.50	2.3	7.7
06/29/2005	P		34.55	--	--	10.37	24.18	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.83	6.3
09/14/2005	P		34.55	--	--	10.78	23.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	6.9
12/13/2005	--		34.55	--	--	10.62	23.93	--	--	--	--	--	--	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-11 Cont.															
03/20/2006	--		34.55	--	--	9.04	25.51	--	--	--	--	--	--	--	--
6/22/2006	--		34.55	--	--	10.33	24.22	--	--	--	--	--	--	--	--
9/22/2006	P		34.55	--	--	10.75	23.80	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.53	7.2
12/7/2006	--		34.55	--	--	10.68	23.87	--	--	--	--	--	--	--	--
3/12/2007	--		34.55	--	--	9.89	24.66	--	--	--	--	--	--	--	--
6/20/2007	--		34.55	--	--	10.84	23.71	--	--	--	--	--	--	--	--
MW-14															
3/13/2002	--		30.46	--	--	8.56	21.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--	q	30.46	--	--	9.12	21.34	--	--	--	--	--	--	--	--
9/20/2002	--	q	30.46	--	--	9.79	20.67	--	--	--	--	--	--	--	--
12/30/2002	--	q	30.46	--	--	7.13	23.33	--	--	--	--	--	--	--	--
3/27/2003	--		30.46	--	--	8.53	21.93	<50	<0.50	0.86	<0.50	<0.50	<0.50	--	--
6/30/2003	--	q	30.46	--	--	9.05	21.41	--	--	--	--	--	--	--	--
9/15/2003	--	q	30.46	--	--	9.47	20.99	--	--	--	--	--	--	--	--
12/04/2003	--	q	30.46	--	--	9.20	21.26	--	--	--	--	--	--	--	--
03/10/2004	--	q	32.61	--	--	7.90	24.71	--	--	--	--	--	--	--	--
06/10/2004	--	q	32.61	--	--	9.25	23.36	--	--	--	--	--	--	--	--
09/22/2004	P		32.61	--	--	9.55	23.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	--
12/13/2004	--		32.61	--	--	8.46	24.15	--	--	--	--	--	--	--	--
03/10/2005	--		32.61	--	--	7.32	25.29	--	--	--	--	--	--	--	--
06/29/2005	--		32.61	--	--	8.77	23.84	--	--	--	--	--	--	--	--
09/14/2005	P		32.61	--	--	9.20	23.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	6.9
12/13/2005	--		32.61	--	--	8.96	23.65	--	--	--	--	--	--	--	--
03/20/2006	--		32.61	--	--	7.51	25.10	--	--	--	--	--	--	--	--
6/22/2006	--		32.61	--	--	8.75	23.86	--	--	--	--	--	--	--	--
9/22/2006	P		32.61	--	--	9.19	23.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.70	7.2
12/7/2006	--		32.61	--	--	9.05	23.56	--	--	--	--	--	--	--	--
3/12/2007	--		32.61	--	--	8.35	24.26	--	--	--	--	--	--	--	--
6/20/2007	--		32.61	--	--	9.33	23.28	--	--	--	--	--	--	--	--

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

Station #608, 17601 Hesperian Boulevard, San Lorenzo, 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-15															
3/13/2002	--		31.41	--	--	10.03	21.38	<50	<0.50	<0.50	<0.50	<0.50	21	--	--
6/28/2002	--		31.41	--	--	10.41	21.00	<50	<0.50	<0.50	<0.50	<0.50	8.7	--	--
9/20/2002	--		31.41	--	--	11.00	20.41	<50	<0.50	<0.50	<0.50	<1.50	21.6	--	--
12/30/2002	--		31.41	--	--	8.33	23.08	<50	<0.50	<0.50	<0.50	<0.50	67	--	--
3/27/2003	--		31.41	--	--	9.83	21.58	<50	<0.50	<0.50	<0.50	<0.50	17	--	--
6/30/2003	--		31.41	--	--	10.00	21.41	<50	<0.50	<0.50	<0.50	<0.50	12	--	--
9/15/2003	--		31.41	--	--	10.67	20.74	<50	<0.50	<0.50	<0.50	<0.50	10	--	--
12/04/2003	P		31.41	--	--	10.47	20.94	<50	<0.50	<0.50	<0.50	<0.50	6.4	2.6	7.0
03/10/2004	P		33.49	--	--	9.09	24.40	<50	<0.50	<0.50	<0.50	<0.50	11	1.5	6.9
06/10/2004	P		33.49	--	--	10.50	22.99	<50	<0.50	<0.50	<0.50	<0.50	5.7	0.5	6.9
09/22/2004	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
12/13/2004	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
03/10/2005	P		33.49	--	--	8.50	24.99	<100	<0.50	<0.50	<0.50	<4.0	5.4	2.7	7.7
06/29/2005	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
09/14/2005	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
12/13/2005	--		33.49	--	--	10.16	23.33	--	--	--	--	--	--	--	--
03/20/2006	P		33.49	--	--	8.72	24.77	<50	<0.50	<0.50	<0.50	<0.50	15	3.1	7.3
6/22/2006	--		33.49	--	--	10.00	23.49	--	--	--	--	--	--	--	--
9/22/2006	--	j	33.49	--	--	--	--	--	--	--	--	--	--	--	--
12/7/2006	--		33.49	--	--	10.32	23.17	--	--	--	--	--	--	--	--
3/12/2007	--	j	33.49	--	--	9.60	23.89	--	--	--	--	--	--	--	--
6/20/2007	--		33.49	--	--	10.52	22.97	--	--	--	--	--	--	--	--
MW-16															
3/13/2002	--		31.39	--	--	10.51	20.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--		31.39	--	--	10.96	20.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
9/20/2002	--		31.39	--	--	10.47	20.92	<50	<0.50	<0.50	<0.50	<1.50	1.67	--	--
12/30/2002	--		31.39	--	--	--	--	--	--	--	--	--	--	--	--
3/27/2003	--		31.39	--	--	10.28	21.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/30/2003	--	i, q	31.39	--	--	10.87	20.52	--	--	--	--	--	--	--	--
9/15/2003	--		31.39	--	--	11.25	20.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--

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Station #608, 17601 Hesperian Boulevard, San Lorenzo, 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-16 Cont.															
12/04/2003	--	u	31.39	--	--	10.99	20.40	--	--	--	--	--	--	--	--
03/10/2004	P		33.41	--	--	9.66	23.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.5
06/10/2004	--		33.41	--	--	11.06	22.35	--	--	--	--	--	--	--	--
09/22/2004	P		33.41	--	--	11.40	22.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	7.0
12/13/2004	--		33.41	--	--	10.27	23.14	--	--	--	--	--	--	--	--
03/10/2005	P		33.41	--	--	9.03	24.38	<100	<0.50	<0.50	<0.50	<4.0	<0.50	3.9	7.0
06/29/2005	--		33.41	--	--	10.60	22.81	--	--	--	--	--	--	--	--
09/14/2005	P		33.41	--	--	11.02	22.39	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
12/13/2005	--		33.41	--	--	10.79	22.62	--	--	--	--	--	--	--	--
03/20/2006	--		33.41	--	--	9.25	24.16	--	--	--	--	--	--	--	--
6/22/2006	--	r	33.41	--	--	--	--	--	--	--	--	--	--	--	--
9/22/2006	P		33.41	--	--	10.95	22.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.69	7.3
12/7/2006	--	r	33.41	--	--	--	--	--	--	--	--	--	--	--	--
3/12/2007	--		33.41	--	--	10.18	23.23	--	--	--	--	--	--	--	--
6/20/2007	--		33.41	--	--	11.10	22.31	--	--	--	--	--	--	--	--
MW-18															
3/13/2002	--		29.70	--	--	9.46	20.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--	q	29.70	--	--	10.05	19.65	--	--	--	--	--	--	--	--
9/20/2002	--	q	29.70	--	--	10.67	19.03	--	--	--	--	--	--	--	--
12/30/2002	--	q	29.70	--	--	7.98	21.72	--	--	--	--	--	--	--	--
3/27/2003	--		29.70	--	--	9.18	20.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/30/2003	--	q	29.70	--	--	9.68	20.02	--	--	--	--	--	--	--	--
9/15/2003	--	q	29.70	--	--	10.30	19.40	--	--	--	--	--	--	--	--
12/04/2003	--	q	29.70	--	--	9.99	19.71	--	--	--	--	--	--	--	--
03/10/2004	--	q	31.87	--	--	8.78	23.09	--	--	--	--	--	--	--	--
06/10/2004	--	q	31.87	--	--	10.12	21.75	--	--	--	--	--	--	--	--
09/22/2004	P		31.87	--	--	10.45	21.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9
12/13/2004	--		31.87	--	--	9.25	22.62	--	--	--	--	--	--	--	--
03/10/2005	--		31.87	--	--	8.35	23.52	--	--	--	--	--	--	--	--
06/29/2005	--		31.87	--	--	9.65	22.22	--	--	--	--	--	--	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-18 Cont.															
09/14/2005	P		31.87	--	--	10.10	21.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9
12/13/2005	--		31.87	--	--	9.90	21.97	--	--	--	--	--	--	--	--
03/20/2006	--		31.87	--	--	8.54	23.33	--	--	--	--	--	--	--	--
6/22/2006	--		31.87	--	--	9.68	22.19	--	--	--	--	--	--	--	--
9/22/2006	P		31.87	--	--	9.96	21.91	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.23	7.2
12/7/2006	--		31.87	--	--	--	--	--	--	--	--	--	--	--	--
3/12/2007	--		31.87	--	--	9.28	22.59	--	--	--	--	--	--	--	--
6/20/2007	--		31.87	--	--	10.15	21.72	--	--	--	--	--	--	--	--
MW-21															
3/13/2002	--		28.72	--	--	9.40	19.32	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/28/2002	--	q	28.72	--	--	9.80	18.92	--	--	--	--	--	--	--	--
9/20/2002	--	q	28.72	--	--	10.27	18.45	--	--	--	--	--	--	--	--
12/30/2002	--	q	28.72	--	--	7.70	21.02	--	--	--	--	--	--	--	--
3/27/2003	--		28.72	--	--	9.05	19.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/30/2003	--	q	28.72	--	--	9.48	19.24	--	--	--	--	--	--	--	--
9/15/2003	--	q	28.72	--	--	10.06	18.66	--	--	--	--	--	--	--	--
12/04/2003	--	q	28.72	--	--	9.69	19.03	--	--	--	--	--	--	--	--
03/10/2004	--	q	30.67	--	--	8.60	22.07	--	--	--	--	--	--	--	--
06/10/2004	--	q	30.67	--	--	9.85	20.82	--	--	--	--	--	--	--	--
09/22/2004	P		30.67	--	--	10.17	20.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	6.9
12/13/2004	--		30.67	--	--	8.92	21.75	--	--	--	--	--	--	--	--
03/10/2005	--		30.67	--	--	8.10	22.57	--	--	--	--	--	--	--	--
06/29/2005	--		30.67	--	--	9.48	21.19	--	--	--	--	--	--	--	--
09/14/2005	P		30.67	--	--	9.88	20.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	6.9
12/13/2005	--		30.67	--	--	9.57	21.10	--	--	--	--	--	--	--	--
03/20/2006	--		30.67	--	--	8.26	22.41	--	--	--	--	--	--	--	--
6/22/2006	--		30.67	--	--	9.47	21.20	--	--	--	--	--	--	--	--
9/22/2006	P		30.67	--	--	9.83	20.84	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.88	5.9
12/7/2006	--		30.67	--	--	9.76	20.91	--	--	--	--	--	--	--	--
3/12/2007	--		30.67	--	--	9.08	21.59	--	--	--	--	--	--	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes			MTBE
MW-21 Cont.															
6/20/2007	--		30.67	--	--	9.89	20.78	--	--	--	--	--	--	--	--
MW-22															
3/13/2002	--		29.29	--	--	9.86	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--		29.29	--	--	10.65	18.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
9/20/2002	--		29.29	--	--	11.05	18.24	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
12/30/2002	--		29.29	--	--	8.28	21.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
3/27/2003	--		29.29	--	--	9.85	19.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/30/2003	--	i, q	29.29	--	--	10.20	19.09	--	--	--	--	--	--	--	--
9/15/2003	--		29.29	--	--	10.81	18.48	<500	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
12/04/2003	--		29.29	--	--	10.49	18.80	--	--	--	--	--	--	--	--
03/10/2004	P		31.43	--	--	9.24	22.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	6.6
06/10/2004	--		31.43	--	--	10.60	20.83	--	--	--	--	--	--	--	--
09/22/2004	P		31.43	--	--	10.94	20.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
12/13/2004	--		31.43	--	--	9.73	21.70	--	--	--	--	--	--	--	--
03/10/2005	P		31.43	--	--	8.65	22.78	<100	<0.50	<0.50	<0.50	<4.0	<0.50	3.3	7.4
06/29/2005	--		31.43	--	--	10.25	21.18	--	--	--	--	--	--	--	--
09/14/2005	P		31.43	--	--	10.65	20.78	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.0
12/13/2005	--		31.43	--	--	10.39	21.04	--	--	--	--	--	--	--	--
03/20/2006	--		31.43	--	--	8.89	22.54	--	--	--	--	--	--	--	--
6/22/2006	--		31.43	--	--	10.21	21.22	--	--	--	--	--	--	--	--
9/22/2006	P		31.43	--	--	10.62	20.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.13	7.2
12/7/2006	--		31.43	--	--	10.44	20.99	--	--	--	--	--	--	--	--
3/12/2007	--		31.43	--	--	9.75	21.68	--	--	--	--	--	--	--	--
6/20/2007	--		31.43	--	--	10.64	20.79	--	--	--	--	--	--	--	--
MW-23															
3/13/2002	--		30.99	--	--	11.01	19.98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--	q	30.99	--	--	11.59	19.40	--	--	--	--	--	--	--	--
9/20/2002	--	q	30.99	--	--	12.00	18.99	--	--	--	--	--	--	--	--
12/30/2002	--	q	30.99	--	--	9.42	21.57	--	--	--	--	--	--	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes			MTBE
MW-23 Cont.															
3/27/2003	--		30.99	--	--	11.00	19.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/30/2003	--	q	30.99	--	--	11.47	19.52	--	--	--	--	--	--	--	--
9/15/2003	--	q	30.99	--	--	11.84	19.15	--	--	--	--	--	--	--	--
12/04/2003	--	q	30.99	--	--	11.61	19.38	--	--	--	--	--	--	--	--
03/10/2004	--	q	33.16	--	--	10.24	22.92	--	--	--	--	--	--	--	--
06/10/2004	--	q	33.16	--	--	11.60	21.56	--	--	--	--	--	--	--	--
09/22/2004	P		33.16	--	--	11.95	21.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.9
12/13/2004	--		33.16	--	--	10.88	22.28	--	--	--	--	--	--	--	--
03/10/2005	--		33.16	--	--	9.63	23.53	--	--	--	--	--	--	--	--
06/29/2005	--		33.16	--	--	11.28	21.88	--	--	--	--	--	--	--	--
09/14/2005	P		33.16	--	--	11.70	21.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	6.9
12/13/2005	--		33.16	--	--	11.44	21.72	--	--	--	--	--	--	--	--
03/20/2006	--		33.16	--	--	9.81	23.35	--	--	--	--	--	--	--	--
6/22/2006	--		33.16	--	--	11.25	21.91	--	--	--	--	--	--	--	--
9/22/2006	P		33.16	--	--	11.52	21.64	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	7.3
12/7/2006	--		33.16	--	--	11.50	21.66	--	--	--	--	--	--	--	--
3/12/2007	--		33.16	--	--	10.76	22.40	--	--	--	--	--	--	--	--
6/20/2007	--		33.16	--	--	11.68	21.48	--	--	--	--	--	--	--	--
MW-25															
3/13/2002	--		33.81	--	--	10.99	22.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--		33.81	--	--	11.26	22.55	<50	<0.50	<0.50	<0.50	<0.50	36	--	--
9/20/2002	--		33.81	--	--	11.65	22.16	117	<0.50	<0.50	<0.50	<1.50	259	--	--
12/30/2002	--	d, f	33.81	--	--	9.33	24.48	95	13	<0.50	<0.50	<0.50	98	--	--
3/27/2003	--		33.81	--	--	10.82	22.99	150	<0.50	<0.50	<0.50	<0.50	90	--	--
6/30/2003	--		33.81	--	--	11.20	22.61	<500	<5.0	<5.0	<5.0	<5.0	130	--	--
9/15/2003	--		33.81	--	--	11.62	22.19	220	<1.0	<1.0	<1.0	<1.0	140	--	--
12/04/2003	P		33.81	--	--	11.41	22.40	81	<0.50	<0.50	<0.50	<0.50	36	1.2	7.0
03/10/2004	P		36.33	--	--	10.04	26.29	<50	<0.50	<0.50	<0.50	<0.50	14	1.2	6.7
06/10/2004	P		36.33	--	--	11.40	24.93	<50	<0.50	<0.50	<0.50	<0.50	17	0.8	7.1
09/22/2004	P		36.33	--	--	11.74	24.59	<50	<0.50	<0.50	<0.50	<0.50	29	1.1	7.0

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

Station #608, 17601 Hesperian Boulevard, San Lorenzo, 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-25 Cont.															
12/13/2004	P		36.33	--	--	10.72	25.61	<50	<0.50	<0.50	<0.50	<0.50	44	1.22	6.9
03/10/2005	P		36.33	--	--	9.45	26.88	<100	<0.50	<0.50	<0.50	<4.0	7.4	2.0	7.7
06/29/2005	P		36.33	--	--	10.91	25.42	<50	<0.50	<0.50	<0.50	<0.50	20	0.97	6.9
09/14/2005	P		36.33	--	--	11.35	24.98	<50	<0.50	<0.50	<0.50	<0.50	8.0	1.2	6.9
12/13/2005	P		36.33	--	--	11.14	25.19	<50	<0.50	<0.50	<0.50	<0.50	13	0.8	6.8
03/20/2006	P		36.33	--	--	9.71	26.62	<50	<0.50	<0.50	<0.50	<0.50	5.4	1.0	6.9
6/22/2006	P		36.33	--	--	10.89	25.44	<50	<0.50	<0.50	<0.50	<0.50	3.5	1.62	7.0
9/22/2006	P		36.33	--	--	11.33	25.00	<50	<0.50	<0.50	<0.50	<0.50	18	1.22	7.1
12/7/2006	P		36.33	--	--	11.22	25.11	<50	<0.50	<0.50	<0.50	<0.50	14	0.71	7.20
3/12/2007	P		36.33	--	--	10.47	25.86	<50	<0.50	<0.50	<0.50	<0.50	7.3	2.77	7.28
6/20/2007	P		36.33	--	--	11.40	24.93	<50	<0.50	<0.50	<0.50	<0.50	2.8	0.66	7.24
MW-26															
3/13/2002	--		33.71	--	--	11.27	22.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
6/28/2002	--	q	33.71	--	--	11.70	22.01	--	--	--	--	--	--	--	--
9/20/2002	--	q	33.71	--	--	12.10	21.61	--	--	--	--	--	--	--	--
12/30/2002	--	q	33.71	--	--	9.60	24.11	--	--	--	--	--	--	--	--
3/27/2003	--		33.71	--	--	11.15	22.56	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
6/30/2003	--	q	33.71	--	--	11.61	22.10	--	--	--	--	--	--	--	--
9/15/2003	--	q	33.71	--	--	12.01	21.70	--	--	--	--	--	--	--	--
12/04/2003	--	q	33.71	--	--	11.78	21.93	--	--	--	--	--	--	--	--
03/10/2004	--	q	35.70	--	--	10.45	25.25	--	--	--	--	--	--	--	--
06/10/2004	--	q	35.70	--	--	11.82	23.88	--	--	--	--	--	--	--	--
09/22/2004	P		35.70	--	--	12.05	23.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	7.0
12/13/2004	--		35.70	--	--	11.08	24.62	--	--	--	--	--	--	--	--
03/10/2005	--		35.70	--	--	9.80	25.90	--	--	--	--	--	--	--	--
06/29/2005	--		35.70	--	--	11.30	24.40	--	--	--	--	--	--	--	--
09/14/2005	P		35.70	--	--	11.55	24.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	6.8
12/13/2005	--		35.70	--	--	11.54	24.16	--	--	--	--	--	--	--	--
03/20/2006	--		35.70	--	--	10.06	25.64	--	--	--	--	--	--	--	--
6/22/2006	--		35.70	--	--	11.29	24.41	--	--	--	--	--	--	--	--

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

Station #608, 17601 Hesperian Boulevard, San Lorenzo, 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-26 Cont.															
9/22/2006	P		35.70	--	--	11.63	24.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.10	7.2
12/7/2006	--		35.70	--	--	11.11	24.59	--	--	--	--	--	--	--	--
3/12/2007	--		35.70	--	--	10.87	24.83	--	--	--	--	--	--	--	--
6/20/2007	--		35.70	--	--	11.80	23.90	--	--	--	--	--	--	--	--

SYMBOLS & ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above 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, range C4-C12
GWE = Groundwater elevation measured 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 measured in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter

NOTES:

a = Well elevation data obtained from Quarterly Groundwater Monitoring and Site Status Report, Fourth Quarter 1994.
b = GRO/TPH-g Chromatogram Pattern: Unidentified Hydrocarbons C6-C10
c = Hydrocarbon pattern for GRO/TPH-g is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
d = GRO/TPH-g Chromatogram Pattern: C6-C10
e = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
f = The continuing calibration was outside the acceptance criteria. This should be considered in evaluating the result for its intended purpose.
g = Groundwater extraction system pumping; inaccurate DTW.
h = Groundwater extraction system not pumping.
i = Sampling frequency changed from quarterly to annually per recommendations in first quarter 2003 groundwater monitoring report.
j = Well not accessible this quarter.
k = Well destroyed.
l = MTBE confirmed by EPA Method 8260B (Method 8260B result is the second value.)
m = No gauging port. Sample taken from spigot.
n = Well inaccessible as homeowner not available.
o = Pump not working or well dry.
p = Gauged with pump in well. Opened cam lock fitting at wellhead.
q = Well sampled annually.
r = Well inaccessible--car parked over well.
u = Well sampled semi-annually.

NOTES:

Site surveyed to NAVD'88 datum on March 2, 2004.

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 #608, 17601 Hesperian Boulevard, San Lorenzo, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
17372 VM									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/04/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/13/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
642 H									
3/13/2002	<100	<20	-	<0.50	<0.50	<0.50	-	-	
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
6/30/2003	-	-	-	-	-	-	-	-	a
9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/04/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
E-1A									
3/27/2003	<100	<20	60	<0.50	<0.50	2.3	-	-	
6/30/2003	<100	<20	37	<0.50	<0.50	1.6	<0.50	<0.50	
9/15/2003	<100	<20	49	<0.50	<0.50	2.4	<0.50	<0.50	
12/04/2003	<100	<20	19	<0.50	<0.50	0.89	-	-	
03/10/2004	<200	<40	38	<1.0	<1.0	2.3	<1.0	<1.0	
06/10/2004	<100	<20	46	<0.50	<0.50	2.2	<0.50	<0.50	
09/22/2004	<100	<20	17	<0.50	<0.50	0.98	<0.50	<0.50	
12/13/2004	<100	<20	15	<0.50	<0.50	0.75	<0.50	<0.50	
03/10/2005	<100	<10	22	<0.50	<0.50	0.95	<0.50	<0.50	
06/29/2005	<100	<20	14	<0.50	<0.50	0.74	<0.50	<0.50	
09/14/2005	<100	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	c
12/13/2005	<100	<20	12	<0.50	<0.50	0.61	<0.50	<0.50	
6/22/2006	<300	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	12	<0.50	<0.50	<0.50	<0.50	<0.50	
3/12/2007	<300	<20	5.6	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
E-1A Cont.									
6/20/2007	<300	<20	6.8	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-5									
3/27/2003	<100	24	59	<0.50	<0.50	2.2	--	--	
6/30/2003	<100	22	58	<0.50	<0.50	2.1	<0.50	<0.50	
9/15/2003	<500	<100	61	<2.5	<2.5	2.5	--	--	
12/04/2003	<100	<20	42	<0.50	<0.50	1.9	--	--	
03/10/2004	<100	<20	9.5	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2004	<100	<20	31	<0.50	<0.50	1.0	<0.50	<0.50	
09/22/2004	<100	<20	15	<0.50	<0.50	<0.50	<0.50	<0.50	
12/13/2004	<100	<20	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	<100	<10	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	b
06/29/2005	<100	<20	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	c
03/20/2006	<300	<20	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	12	<0.50	<0.50	<0.50	<0.50	<0.50	
3/12/2007	<300	<20	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-8									
3/27/2003	<100	<20	33	<0.50	<0.50	0.53	--	--	
6/30/2003	<100	<20	15	<0.50	<0.50	0.85	<0.50	<0.50	
9/15/2003	<100	<20	41	<0.50	<0.50	5.3	--	--	
12/04/2003	<100	<20	24	<0.50	<0.50	3.7	--	--	
03/10/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2004	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	18	<0.50	<0.50	1.5	<0.50	<0.50	
12/13/2004	<100	<20	7.1	<0.50	<0.50	0.78	<0.50	<0.50	
03/10/2005	<100	<10	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	b
06/29/2005	<100	<20	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	c
03/20/2006	<300	<20	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-8 Cont.									
3/12/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-9									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	c
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-10									
3/27/2003	<1,000	<200	330	<5.0	<5.0	15	-	-	
6/30/2003	<2,000	<400	750	<10	<10	28	<10	<10	
9/15/2003	<1,000	<200	430	<5.0	<5.0	15	<5.0	<5.0	
12/04/2003	<500	<100	110	<2.5	<2.5	4.8	--	--	
03/10/2004	<500	120	140	<2.5	<2.5	<2.5	<2.5	<2.5	
06/10/2004	<1,000	<200	410	<5.0	<5.0	11	<5.0	<5.0	
09/22/2004	<100	54	87	<0.50	<0.50	3.8	<0.50	<0.50	
12/13/2004	<200	220	110	<1.0	<1.0	4.5	<1.0	<1.0	
03/10/2005	<100	50	86	<0.50	<0.50	2.2	<0.50	<0.50	
06/29/2005	<500	110	160	<2.5	<2.5	4.6	<2.5	<2.5	
09/14/2005	<500	300	140	<2.5	<2.5	3.5	<2.5	<2.5	c
12/13/2005	<100	190	47	<0.50	<0.50	1.9	<0.50	<0.50	
03/20/2006	<300	72	34	<0.50	<0.50	0.85	<0.50	<0.50	
6/22/2006	<300	130	21	<0.50	<0.50	0.56	<0.50	<0.50	c
9/22/2006	<300	51	11	<0.50	<0.50	<0.50	<0.50	<0.50	
12/7/2006	<300	24	10	<0.50	<0.50	<0.50	<0.50	<0.50	
3/12/2007	<300	46	18	<0.50	<0.50	<0.50	<0.50	<0.50	
6/20/2007	<300	<20	5.9	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-11									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	

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Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-11 Cont.									
6/30/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/04/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/13/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
06/29/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	c
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-14									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
03/10/2004	--	--	--	--	--	--	--	--	Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-15									
3/27/2003	<100	<20	17	<0.50	<0.50	<0.50	--	--	
6/30/2003	<100	<20	12	<0.50	<0.50	<0.50	<0.50	<0.50	
9/15/2003	<100	<20	10	<0.50	<0.50	<0.50	<0.50	<0.50	
12/04/2003	<100	<20	6.4	<0.50	<0.50	<0.50	--	--	
03/10/2004	<100	<20	11	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2004	<100	<20	5.7	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	<100	<10	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	b
03/20/2006	<300	<20	15	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-16									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-16 Cont.									
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-18									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
03/10/2004	--	--	--	--	--	--	--	--	Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-21									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
03/10/2004	--	--	--	--	--	--	--	--	Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-22									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
9/15/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-23									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
03/10/2004	--	--	--	--	--	--	--	--	Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-23 Cont.									
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-25									
3/27/2003	<100	<20	90	<0.50	<0.50	40	--	--	
6/30/2003	<1,000	<200	130	<5.0	<5.0	81	<5.0	<5.0	
9/15/2003	<200	<40	140	<1.0	<1.0	71	<1.0	<1.0	
12/04/2003	<100	<20	36	<0.50	<0.50	17	--	--	
03/10/2004	<100	<20	14	<0.50	<0.50	6.5	<0.50	<0.50	
06/10/2004	<100	<20	17	<0.50	<0.50	7.2	<0.50	<0.50	
09/22/2004	<100	<20	29	<0.50	<0.50	18	<0.50	<0.50	
12/13/2004	<100	45	44	<0.50	<0.50	18	<0.50	<0.50	
03/10/2005	<100	<10	7.4	<0.50	<0.50	2.3	<0.50	<0.50	b
06/29/2005	<100	<20	20	<0.50	<0.50	12	<0.50	<0.50	
09/14/2005	<100	<20	8.0	<0.50	<0.50	4.1	<0.50	<0.50	
12/13/2005	<100	<20	13	<0.50	<0.50	5.5	<0.50	<0.50	
03/20/2006	<300	<20	5.4	<0.50	<0.50	2.4	<0.50	<0.50	
6/22/2006	<300	<20	3.5	<0.50	<0.50	1.7	<0.50	<0.50	c
9/22/2006	<300	<20	18	<0.50	<0.50	7.3	<0.50	<0.50	
12/7/2006	<300	<20	14	<0.50	<0.50	6.1	<0.50	<0.50	
3/12/2007	<300	<20	7.3	<0.50	<0.50	2.9	<0.50	<0.50	
6/20/2007	<300	<20	2.8	<0.50	<0.50	1.3	<0.50	<0.50	
MW-26									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
03/10/2004	--	--	--	--	--	--	--	--	Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

SYMBOLS & ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above the 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 = Well was not accessible this quarter.
b = Possible high bias due to CCV falling outside acceptance criteria for TBA.
c = Calibration verification was within method limits but outside the contract limits for ethanol.

NOTES:

Well E-1A was previously named MW-12.

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 #608, 17601 Hesperian Boulevard, San Lorenzo, CA**

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
6/28/2002	West	0.003
9/20/2002	West	0.00196
12/30/2002	West	0.003
3/27/2003	West	0.002
6/30/2003	West-Southwest	0.001
9/15/2003	West	0.003
12/4/2003	West-Southwest	0.003
3/10/2004	West	0.003
6/10/2004	West	0.006
9/22/2004	West	0.006
12/13/2004	West-Southwest	0.003
3/10/2005	West-Southwest	0.003
6/29/2005	West-Southwest	0.003
9/14/2005	West-Southwest	0.003
12/13/2005	West	0.003
3/20/2006	West-Southwest	0.003
6/22/2006	West-Southwest	0.003
9/22/2006	West-Southwest	0.003
12/7/2006	West	0.004
3/12/2007	West	0.003
6/20/2007	West	0.004

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

Table 4.
Ground-Water Sampling Schedule
Atlantic Richfield Company Station #608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Sampling Frequency
Groundwater Monitoring Wells					
MW-5	X		X		Semiannually (1st and 3rd Quarter)
MW-7	-----Removed from Program-----				
MW-8	X		X		Semiannually (1st and 3rd Quarter)
MW-9			X		Annually (3rd Quarter)
MW-10	X	X	X	X	Quarterly
MW-11			X		Annually (3rd Quarter)
E-1A	X	X	X	X	Quarterly
MW-13	-----Removed from Program-----				
MW-14			X		Annually (3rd Quarter)
MW-15	X		X		Semiannually (1st and 3rd Quarter)
MW-16			X		Annually (3rd Quarter)
MW-17	-----Destroyed-----				
MW-18			X		Annually (3rd Quarter)
MW-19	-----Removed from Program-----				
MW-20	-----Destroyed-----				
MW-21			X		Annually (3rd Quarter)
MW-22			X		Annually (3rd Quarter)
MW-23			X		Annually (3rd Quarter)
MW-24	-----Removed from Program-----				
MW-25	X	X	X	X	Quarterly
MW-26			X		Annually (3rd Quarter)
Domestic Irrigation Wells					
590H	-----Destroyed-----				
633H	Destroyed				
634H	-----Pump Not Functional, Well Not in Use-----				
642H	X	X	X	X	Quarterly
675H	-----Destroyed-----				
17197 VM	-----Destroyed-----				
17200 VM	-----Destroyed-----				
17203 VM	Destroyed				
17302 VM	-----Pump Not Functional, Well Not in Use-----				
17348 VE	-----Pump Not Functional, Well Not in Use-----				
17349 VM	-----Destroyed-----				
17371 VM	-----Destroyed-----				
17372 VM	X	X	X	X	Quarterly
17393 VM	-----Destroyed-----				

Notes: Beginning third quarter 2005, the sampling schedule was changed.

**Table 5. Ground-Water Extraction Performance Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA**

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
09/25/91		0	---	0	0	0.0	ND	---	0.00	---	0.000	0.00	---	---	---
09/26/91		---	---	1,144	1,144	---	38	0.00	0.00	4.8	0.000	0.00	---	---	---
10/22/91		26	95.9	12,844	11,700	7.6	ND	---	0.00	ND	0.000	0.00	---	---	---
11/22/91		77	93.1	52,532	39,688	13.0	ND	---	0.00	0.5	0.000	0.00	---	---	---
12/19/91		322	62.1	122,540	70,008	4.8	ND	---	0.00	ND	0.000	0.00	---	---	---
01/16/92		994	0.0	283,289	160,749	4.0	ND	---	0.00	ND	0.000	0.00	---	---	---
02/19/92		1,809	0.2	485,200	201,911	4.1	370	0.31	0.31	14.0	0.012	0.01	---	---	---
03/17/92		2,462	0.0	662,847	177,647	4.5	160	0.39	0.70	18.0	0.024	0.04	---	---	---
04/15/92		3,150	1.1	851,100	188,253	4.6	200	0.28	0.99	11.0	0.023	0.06	---	---	---
05/14/92		3,849	0.0	1,030,086	178,986	4.3	45	0.18	1.17	1.4	0.009	0.07	---	---	---
06/19/92		4,712	0.1	1,229,960	199,874	3.9	ND	---	1.17	ND	0.001	0.07	---	---	---
07/14/92		5,001	51.8	1,291,201	61,241	3.5	97	0.02	1.19	25.0	0.006	0.08	---	---	---
08/18/92		---	---	1,410,018	118,817	---	ND	---	1.19	ND	0.012	0.09	---	---	---
09/15/92		6,298	---	1,535,640	125,622	3.1	ND	---	1.19	ND	0.000	0.09	---	---	---
10/16/92		7,012	4.1	1,651,623	115,983	2.7	ND	---	1.19	ND	0.000	0.09	---	---	---
11/18/92		7,809	0.0	1,768,076	116,453	2.4	ND	---	1.19	ND	0.000	0.09	---	---	---
12/17/92		8,502	0.4	1,864,300	96,224	2.3	96	0.04	1.23	7.7	0.003	0.09	---	---	---
01/18/93		8,798	61.5	1,915,165	50,865	2.9	100	0.04	1.27	13.0	0.004	0.10	---	---	---
02/22/93		9,607	0.0	2,096,930	181,765	3.7	480	0.44	1.71	36.0	0.037	0.13	---	---	---
03/15/93		10,113	0.0	2,205,833	108,903	3.6	310	0.36	2.07	29.0	0.030	0.16	---	---	---
04/09/93		10,517	32.8	2,298,770	92,937	3.8	140	0.17	2.25	11.0	0.015	0.18	---	---	---
05/13/93		11,211	14.9	2,449,160	150,390	3.6	530	0.42	2.67	27.0	0.024	0.20	---	---	---
06/04/93		11,734	1.0	2,543,500	94,340	3.0	170	0.28	2.94	5.2	0.013	0.21	---	---	---
07/20/93		12,573	24.0	2,689,697	146,197	2.9	200	0.23	3.17	12.0	0.010	0.22	---	---	---
08/16/93		13,219	0.3	2,791,366	101,669	2.6	150	0.15	3.32	4.9	0.007	0.23	---	---	---
09/13/93		13,888	0.4	2,884,736	93,370	2.3	80	0.09	3.41	2.2	0.003	0.23	---	---	---
10/08/93		14,485	0.5	2,951,737	67,001	1.9	ND	0.02	3.43	ND	0.001	0.24	---	---	---
11/19/93		15,494	0.0	3,036,032	84,295	1.4	ND	0.00	3.43	ND	0.000	0.24	---	---	---
12/21/93		16,260	0.3	3,113,565	77,533	1.7	73	0.02	3.45	3.5	0.001	0.24	---	---	---
01/18/94		16,939	0.0	3,190,900	77,335	1.9	60	0.04	3.49	3.1	0.002	0.24	---	---	---
02/17/94		17,658	0.0	3,273,720	82,820	1.9	ND	0.02	3.51	2.5	0.002	0.24	---	---	---
03/15/94		18,235	7.5	3,344,249	70,529	2.0	ND	0.00	3.51	ND	0.001	0.24	---	---	---
04/21/94		18,849	30.8	3,418,537	74,288	2.0	110	0.03	3.55	7.8	0.002	0.24	---	---	---
05/13/94		19,351	5.1	3,478,910	60,373	2.0	230	0.09	3.63	8.3	0.004	0.25	---	---	---
06/14/94	a	19,680	57.1	3,518,608	39,698	2.0	230	0.08	3.71	12.0	0.003	0.25	---	---	---
07/14/94	b	20,145	35.4	3,574,408	55,800	2.0	270	0.12	3.83	6.9	0.004	0.26	---	---	---
08/17/94	c	20,920	5.0	51,260	91,580	2.0	ND	0.10	3.93	1.8	0.003	0.26	---	---	---
09/12/94		21,549	0.0	120,910	69,650	1.8	ND	0.00	3.93	ND	0.001	0.26	---	---	---
10/18/94		22,408	0.5	211,880	90,970	1.8	ND	0.00	3.93	ND	0.000	0.26	---	---	---
11/15/94		23,080	0.0	280,840	68,960	1.7	ND	0.00	3.93	0.7	0.000	0.26	---	---	---
12/05/94		23,489	14.8	325,830	44,990	1.8	470	0.09	4.02	32.0	0.006	0.27	---	---	---
01/04/95		24,205	0.6	408,740	82,910	1.9	ND	0.16	4.18	1.1	0.011	0.28	---	---	---
02/06/95		24,926	9.0	499,690	90,950	2.1	100	0.04	4.22	2.4	0.001	0.28	---	---	---

**Table 5. Ground-Water Extraction Performance Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA**

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
03/02/95		25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28	---	---	---
04/04/95		26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28	---	---	---
05/02/95		26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29	---	---	---
06/05/95		27,721	2.4	848,810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29	---	---	---
07/06/95		28,464	0.1	921,260	72,450	1.6	270	0.08	4.74	2.4	0.001	0.29	---	---	---
08/21/95	d	29,568	0.0	993,320	72,060	1.1	230	0.15	4.89	1.8	0.001	0.29	---	---	---
06/05/00	e	29,592	---	976,600	---	---	700	---	4.89	7.2	---	0.29	361.0	---	0.000
06/05/00		29,593	0.0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361.0	0.01	0.010
07/08/00		30,352	4.2	1,131,560	151,760	3.3	133	0.53	5.43	5.1	0.008	0.30	272.0	0.40	0.410
08/07/00		30,955	16.3	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126.0	0.16	0.570
09/08/00		31,528	25.4	1,306,300	78,060	2.3	261	0.13	5.68	2.7	0.002	0.30	120.0	0.08	0.651
10/10/00		32,230	8.6	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.694
11/07/00		32,880	3.3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.727
12/05/00		33,516	5.4	1,548,840	75,910	2.0	167	0.09	5.99	0.8	0.000	0.31	104.0	0.06	0.791
01/04/01		33,924	43.3	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.828
02/06/01		34,556	20.2	1,672,330	76,990	2.0	203	0.07	6.08	0.6	0.000	0.31	80.5	0.05	0.882
03/08/01		34,776	69.5	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.899
03/24/01	†	35,088	18.7	1,741,170	42,310	2.3	---	0.07	6.20	---	0.000	0.31	---	0.03	0.928
04/18/01		35,335	59.0	1,770,860	29,690	2.0	75	0.04	6.24	ND	0.000	0.31	97.5	0.02	0.950
05/04/01		35,716	0.0	1,812,690	41,830	1.8	63	0.02	6.26	ND	0.000	0.31	93.2	0.03	0.983
06/09/01		36,345	27.1	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	71.0	0.05	1.029
07/05/01	f	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430.0	0.04	1.066
08/14/01	f	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0.000	0.31	870.0	0.17	1.235
09/05/01		37,219	24.8	1,977,050	48,540	2.0	<100	0.06	6.42	<1.0	0.000	0.31	340.0	0.24	1.480
10/05/01		37,932	0.0	2,040,950	63,900	1.5	ND	0.00	6.42	ND	0.000	0.31	150.0	0.13	1.611
11/13/01		38,820	0.0	2,119,670	78,720	1.5	ND	0.00	6.42	ND	0.000	0.31	92.0	0.08	1.690
12/11/01		39,496	0.0	2,186,530	66,860	1.6	65	0.02	6.44	ND	0.000	0.31	83.0	0.05	1.739
01/04/02		40,063	0.0	2,248,700	62,170	1.8	<50	0.02	6.46	ND	0.000	0.31	140.0	0.06	1.797
02/05/02		40,830	0.2	2,333,090	84,390	1.8	100	0.04	6.49	ND	0.000	0.31	190.0	0.12	1.913
03/05/02		40,968	79.4	2,353,460	20,370	2.5	150	0.02	6.51	<1.2	0.000	0.31	350.0	0.05	1.959
04/08/02		41,735	6.0	2,448,360	94,900	2.1	400	0.22	6.73	9.6	0.004	0.31	260.0	0.24	2.200
05/16/02		42,642	0.6	2,499,320	50,960	0.9	310	0.15	6.88	<1.0	0.002	0.31	330.0	0.13	2.325
05/31/02		42,832	47.2	2,503,380	4,060	0.4	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
08/19/02	g	44,925	---	2,520,289	16,909	0.1	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
10/03/02	g	44,956	---	2,520,582	293	0.2	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
10/07/02	g	44,956	---	2,522,394	1,812	---	160	0.00	6.89	<1.0	0.000	0.31	130.0	0.00	2.329
11/07/02	h	0	---	2,527,925	5,531	---	250	0.01	6.89	<1.0	0.000	0.31	210.0	0.01	2.337
12/05/02		479	28.7	2,528,113	188	0.0	220	0.00	6.89	<1.0	0.000	0.31	110.0	0.00	2.337
01/03/03		1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	<1.0	0.000	0.31	140.0	0.07	2.403
02/13/03		2,156	0.2	2,692,710	101,351	1.7	<250	0.07	7.07	<2.5	0.000	0.31	66.0	0.09	2.490
03/27/03		3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	<0.50	0.000	0.31	71.0	0.06	2.546
04/24/03		4,172	0.0	2,865,050	74,382	1.2	120	0.07	7.19	<0.50	0.000	0.31	56.0	0.04	2.585
05/30/03		4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	<5.0	0.000	0.31	<50	0.00	2.585

**Table 5. Ground-Water Extraction Performance Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA**

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
06/19/03		4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	<5.0	0.000	0.31	46.0	0.01	2.593
07/24/03		5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	<0.50	0.000	0.31	41.0	0.08	2.678
08/28/03		6,165	0.8	3,040,900	68,538	1.4	<50	0.01	7.39	<0.50	0.000	0.31	30.0	0.02	2.698
09/25/03		6,838	0.0	3,095,020	54,120	1.3	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.01	2.711
10/23/03		7,512	0.0	3,149,200	177,215	1.1	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.04	2.753
11/20/03		8,162	0.3	3,204,612	55,412	1.4	<50	0.00	7.39	<0.50	0.000	0.31	22.0	0.01	2.764
12/18/03		8,851	1.1	3,264,487	30,531	1.5	52	0.01	7.40	<0.50	0.000	0.31	27.0	0.00	2.770
01/08/04		9,356	1.0	3,312,485	47,998	1.6	—	0.00	7.40	—	0.000	0.31	—	0.00	2.770
01/22/04		9,690	0.7	3,344,994	32,509	1.6	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.774
02/19/04		10,357	1.6	3,410,457	32,947	1.7	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.00	2.781
03/18/04		11,030	0.0	3,480,800	70,343	1.7	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.02	2.796
04/07/04		11,509	0.2	3,524,179	43,379	1.5	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.01	2.806
04/22/04		11,869	0.0	3,552,144	27,965	1.3	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.811
05/19/04		12,522	0.0	3,607,015	54,871	1.4	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.819
06/16/04		13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	<0.50	0.000	0.31	20.0	0.01	2.829
07/22/04		14,050	1.4	3,736,245	71,651	1.4	<50	0.02	7.43	<0.50	0.000	0.31	15.0	0.01	2.839
08/26/04		14,890	0.0	3,803,030	66,785	1.3	<50	0.00	7.43	<0.50	0.000	0.31	23.0	0.01	2.850
09/16/04		15,394	0.0	3,832,211	29,181	1.0	<50	0.00	7.43	<0.50	0.000	0.31	18.0	0.00	2.855
10/21/04		16,235	0.0	3,891,299	59,088	1.2	<50	0.00	7.43	<0.50	0.000	0.31	17.0	0.01	2.863
11/18/04		16,908	0.0	3,942,990	51,691	1.3	<50	0.00	7.43	<0.50	0.000	0.31	14.0	0.01	2.870
12/16/04		17,579	0.2	3,994,185	51,195	1.3	<50	0.00	7.43	<0.50	0.000	0.31	15.0	0.01	2.876
01/19/05		18,396	0.0	4,063,710	69,525	1.4	84	0.02	7.46	<0.50	0.000	0.31	19	0.01	2.886
02/16/05	i	19,068	0.0	4,117,922	54,212	1.3	<50	0.02	7.48	<0.50	0.000	0.31	29	0.01	2.897
03/16/05	i	19,741	0.0	4,175,364	57,442	1.4	56	0.01	7.49	<0.50	0.000	0.31	21	0.01	2.909
04/20/05		20,578	0.3	4,244,807	69,443	1.4	<50	0.02	7.50	<0.50	0.000	0.31	19	0.01	2.921
05/18/05		21,057	28.8	4,279,950	35,143	1.2	82	0.01	7.52	<0.50	0.000	0.31	16	0.01	2.926
06/15/05		21,728	0.1	4,325,824	45,874	1.1	<50	0.02	7.53	<0.50	0.000	0.31	15	0.01	2.932
07/26/05		22,468	24.8	4,369,300	43,476	1.0	<50	0.00	7.53	<0.50	0.000	0.31	13	0.01	2.937
08/25/05		23,184	0.6	4,407,082	37,782	0.9	<50	0.00	7.53	---	0.000	0.31	9.8	0.004	2.940
09/20/05		23,812	0.0	4,436,511	29,429	0.8	<50	0.00	7.53	<0.50	0.000	0.31	8.2	0.002	2.942
10/18/05		24,483	0.2	4,465,577	29,066	0.7	<50	0.00	7.53	<0.50	0.000	0.31	9.2	0.002	2.945
11/16/05		25,178	0.1	4,495,190	29,613	0.7	<50	0.00	7.53	<0.50	0.000	0.31	15	0.003	2.948
12/13/05		25,825	0.2	4,523,250	28,060	0.7	<50	0.00	7.53	<0.50	0.000	0.31	11	0.003	2.951
01/12/06		26,546	0.0	4,562,040	38,790	0.9	<50	0.00	7.53	<0.50	0.000	0.31	16	0.004	2.955
02/08/06		27,195	0.0	4,595,860	33,820	0.9	60	0.01	7.54	<0.50	0.000	0.31	15	0.004	2.959
03/06/06		27,816	0.5	4,621,920	26,060	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.003	2.963
04/03/06		28,489	0.0	4,651,630	29,710	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.004	2.967
05/02/06		NA	NA	4,686,187	34,557	—	<50	0.00	7.54	<0.50	0.000	0.31	—	0.000	2.967
06/13/06		30,189	0.54	4,694,809	8,622	0.1	<50	0.00	7.54	<0.50	0.000	0.31	15	0.001	2.967
06/27/06		30,524	0.3	4,697,476	2,667	—	—	—	—	—	—	—	—	—	—

**Table 5. Ground-Water Extraction Performance Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA**

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
07/17/06		31,006	0.0	4,706,984	9,508	0.3	<50	0.00	7.54	<0.50	0.000	0.31	5.7	0.000	2.968
08/09/06		31,556	0.4	4,719,605	12,621	0.4	<50	0.00	7.54	<0.50	0.000	0.31	4.6	0.001	2.968
09/12/06		32,371	0.1	4,731,489	11,884	0.2	<50	0.00	7.54	<0.50	0.000	0.31	2.9	0.000	2.968
10/09/06		33,014	0.8	4,732,140	651	0.02	<50	0.00	7.54	<0.50	0.000	0.31	3.3	0.000	2.968
11/10/06		33,784	0.0	4,732,180	40	0.001	<50	0.00	7.54	<0.50	0.000	0.31	6.6	0.000	2.968
12/05/06	j	34,379	0.8	4,732,186	6	0.0	—	0.00	7.54	—	0.000	0.31	—	0.000	2.968
01/02/07	k	34,380.0	99.9	4,732,190	4	0.11	<50	0.00	7.54	<0.50	0.000	0.31	1.4	0.000	2.968
01/12/07	l	34,380.0	100.0	4,732,200	10	—	—	—	—	—	—	—	—	—	—
01/24/07	m	34,669.6	0.0	4,732,220	20	0.00	—	—	—	—	—	—	—	—	—
01/29/07		NM	—	4,737,810	5,590	—	—	—	—	—	—	—	—	—	—
02/05/07		34,960.0	0.0	4,742,700	4,890	0.60	70	0.01	7.55	<0.50	0.000	0.31	7.1	0.000	2.968
02/20/07		35,316.4	1.0	4,751,030	8,330	0.39	—	—	—	—	—	—	—	—	—
03/05/07		35,630.6	0.0	4,756,760	5,730	0.30	87	0.01	7.56	<0.50	0.000	0.31	5.8	0.001	2.969
03/12/07	n	35,795.3	2.0	4,759,580	2,820	0.29	—	—	—	—	—	—	—	—	—
03/19/07		35,968.3	0.0	4,762,270	2,690	0.26	—	—	—	—	—	—	—	—	—
03/28/07	o	36,178.3	2.8	4,762,980	710	0.06	—	—	—	—	—	—	—	—	—
03/30/07	p	36,178.3	100.0	4,762,980	0	—	—	—	—	—	—	—	—	—	—
04/02/07	q	NM	—	4,762,980	0	—	—	—	—	—	—	—	—	—	—
04/10/07	r	36,178	0.0	4,762,985	5	—	—	—	—	—	—	—	—	—	—
04/16/07	s	36,323.8	1.3	6,538.48	6,538.48	0.75	<50	0.00	7.56	<0.50	0.000	0.31	6.5	0.001	2.970
05/01/07		36,683.4	0.1	22,352.50	15,814.02	0.73	<50	<0.007	7.56	<0.50	<0.0001	0.31	6.9	0.001	2.971
05/15/07		37,018.0	0.4	37,628.90	15,276.40	0.76	—	—	—	—	—	—	—	—	—
05/29/07		37,355.0	0.3	51,253.00	13,624.10	0.67	—	—	—	—	—	—	—	—	—
06/04/07		37,499.6	0.4	56,605.80	5,352.80	0.62	<50	<0.002	7.56	<0.50	0.000	0.31	7.1	0.000	2.971
06/26/07		38,027.3	0.1	77,395.90	20,790.10	0.66	—	—	—	—	—	—	—	—	—

REPORTING PERIOD: 04/02/07 to 06/26/07

CUMULATIVE GALLONS EXTRACTED: 8,836,531

PERIOD GALLONS EXTRACTED: 77,401

TOTAL POUNDS REMOVED: 7.56 0.31 2.971

TOTAL GALLONS REMOVED: 1.24 0.04 0.48

AVERAGE PERIOD FLOW RATE (gpm): 0.70

PERIOD PERCENT OPERATIONAL: 87.5%

PERIOD POUNDS REMOVED: 0.000 0.000 0.002

PERIOD GALLONS REMOVED: 0.000 0.000 0.000

**Table 5. Ground-Water Extraction System Performance Data
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA**

SYMBOLS AND ABBREVIATIONS:

gpm	= Gallons per minute
GRO	= Gasoline range organics, C4 to C12 range
MTBE	= Methyl tert-butyl ether
µg/L	= Micrograms per liter
ND	= Not detected at or above the laboratory reporting limit
TPH-g	= Total purgeable petroleum hydrocarbons as gasoline
---	= Not available/applicable/sampled
<	= Not detected at or above the laboratory reporting limit
†	= Assume same concentration as prior sampling event

Densities: Gasoline = 6.1 lbs/gallon; Benzene = 7.34 lbs/gallon; MTBE = 6.18 lbs/gallon (MTBE not quantified prior to 6/5/00)

Footnotes:

- a. Totalizer broken; volume estimated from hourmeter and flow rate.
- b. Volume estimated from hourmeter and instantaneous flow rate.
- c. Sewer totalizer replaced July 28, 1994; volume discharged estimated at 40,320 gallons for the period between July 14 and 28, 1994 at 2.0 gpm.
- d. GWE system temporarily shut down August 21, 1995.
- e. GWE system restarted June 5, 2000.
- f. System down during construction to main sewer line from approx. 6/25/01; restarted 8/14/01.
- g. Hour meter reading not functioning.
- h. Hour meter replaced.
- i. Quantity of unknown hydrocarbons in sample based on gasoline.
- j. The GWE system was shutdown on December 5, 2006, pending change of operator information on the sewer discharge permit.
- k. The GWE system was shutdown after collecting samples on January 2, 2007, pending receipt and verification of analytical results.
- l. GWE system re-started after receipt and verification of effluent results for samples collected on January 2, 2007.
- m. GWE system found to be non-operating and was likely shutdown due to clogging of particulate filter. Replaced filter bags and re-started.
- n. Filter bags replaced.
- o. GWE system shutdown for carbon changeout.
- p. GWE system re-started after carbon changeout.
- q. The flow totalizer was observed to be non-functioning upon arrival at site. The system was shutdown pending replacement of totalizer.
- r. GWE system re-started after replacing totalizer. Starting reading of new totalizer = 0.00.
- s. Volume estimated from the initial and final readings of new totalizer

Equations: $\text{Net Dissolved Concentration Removed [pounds]} = \text{Average influent concentration, [ug/L]} \times \text{net volume (gallon)} \times \text{conversion factor [ug to kg]} \times \text{conversion factor [L to pounds]};$ (Net dissolved concentration removed is calculated by averaging influent concentrations)

Notes:

The data within this table collected prior to April 2006 was provided to BAI by RM and their previous consultants. BAI has not verified the accuracy of this information.

Beginning Fourth Quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Table 6
Treatment System Analytical Data
 Station #608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
09/26/91	38	4.8	0.6	1.6	1.1	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	0.52	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	370	14	0.34	14	2.4	---	---	---	---	---
03/17/92	160	18	0.32	0.56	1.6	---	---	---	---	---
04/15/92	200	11	<0.30	7.3	0.77	---	---	---	---	---
05/14/92	45	14	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	97	25	<0.50	8.5	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	96	7.7	13	0.56	9.7	---	---	---	---	---
01/18/93	100	13	6.6	1.1	11	---	---	---	---	---
02/22/93	480	36	29	4.9	96	---	---	---	---	---
03/15/93	310	29	14	4.9	55	---	---	---	---	---
04/09/93	140	11	2.8	2.6	17	---	---	---	---	---
05/13/93	530	27	12	18	96	---	---	---	---	---
06/04/93	170	5.2	1.6	2.5	23	---	---	---	---	---
07/20/93	200	12	0.91	8.2	29	---	---	---	---	---
08/16/93	150	4.9	0.63	2.9	15	---	---	---	---	---
09/13/93	80	2.2	<0.50	<0.50	4.8	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	73	3.5	<0.50	1.9	8.4	---	---	---	---	---
01/18/94	60	3.1	<0.50	3.2	4.3	---	---	---	---	---
02/17/94	<50	2.5	<0.50	2.1	3.1	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	110	7.8	<1.0	9.6	<1.0	---	---	---	---	---
05/13/94	230	8.3	<0.50	14	6	---	---	---	---	---
06/14/94	230	12	<0.50	16	1.5	---	---	---	---	---
07/14/94	270	6.9	<0.50	15	1.9	---	---	---	---	---
08/18/94	<50	1.8	<0.50	1.5	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	0.66	<0.50	2.6	<0.50	---	---	---	---	---
12/05/94	470	32	0.59	29	6.2	---	---	---	---	---
01/04/95	<50	1.1	<0.50	1.4	<0.50	---	---	---	---	---

Table 6
Treatment System Analytical Data
 Station #608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
02/06/95	100	2.4	1.1	1.2	2.8	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	290	6.6	<0.50	10	1.7	---	---	---	---	---
05/02/95	240	7.1	<0.50	3.2	1.6	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	270	2.4	<0.50	7.6	1	---	---	---	---	---
08/21/95	230	1.8	<0.50	1.6	0.92	---	---	---	---	---
06/05/00	700	7.24	<1.0	2.11	<1.0	361	---	---	---	---
07/08/00	133	5.09	0.598	<0.50	<0.50	272	---	---	---	---
08/10/00	144	2.8	<0.50	1.04	<0.50	126	---	---	---	---
09/08/00	261	2.74	0.826	0.626	<0.50	120	---	---	---	---
10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5	---	---	---	---
11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6	---	---	---	---
12/05/00	167	0.775	<0.50	<0.50	<0.50	104	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8	---	---	---	---
02/06/01	203	0.572	<0.50	0.513	<0.50	80.5	---	---	---	---
03/08/01	219	<0.50	6.16	1.21	0.682	81	---	---	---	---
04/18/01	74.5	<0.50	<0.50	<0.50	<0.50	97.5	---	---	---	---
05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2	---	---	---	---
06/09/01	64	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
07/05/01	100	<0.50	2.5	<0.50	<0.50	430	---	---	---	---
08/14/01	290	2.2	3.5	<1.0	<1.0	870	---	---	---	---
09/05/01	<100	<1.0	<1.0	<1.0	<1.0	340	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	150	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	92	---	---	---	---
12/11/01	65	<0.50	0.58	<0.50	<0.50	83	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	140	---	---	---	---
02/05/02	100	<0.50	<0.50	<0.50	<0.50	190	---	---	---	---
03/05/02	150	<1.2	<1.2	<1.2	<1.2	350	---	---	---	---
04/08/02	400	9.6	<1.0	1.4	<1.0	260	---	---	---	---
05/16/02	310	<1.0	<1.0	<1.0	<1.0	330	---	---	---	---
10/07/02	160	4.1	<1.0	<1.0	<1.0	130	---	---	---	---
11/07/02	250	<0.50	10	0.7	0.77	210	---	---	---	---
12/05/02	220	<1.0	<1.0	<1.0	<1.0	110	---	---	---	---
01/03/03	170	<1.0	<1.0	<1.0	<1.0	140	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	66	---	---	---	---
3/27/03 ¹	110	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
4/24/03 ¹	120	<0.50	<0.50	<0.50	<0.50	56	---	---	---	---
5/30/03 ¹	20	<0.50	<0.50	<0.50	<0.50	<50	---	---	---	---
06/19/03	160	<0.50	<0.50	<0.50	<0.50	46	---	---	---	---

Table 6
Treatment System Analytical Data
Station #608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47) ²	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40) ²	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22	---	---	---	---
12/18/03	52	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	29	---	---	---	---
03/16/05	56 ³	<0.50	<0.50	<0.50	<1.0	21	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/18/05	82 ³	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	9.8	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	9.2	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	11	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
02/08/06	60	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
04/03/06	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	15	---	---	---	---
07/17/06	<50	<0.50	0.58	<0.50	<0.50	5.7	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	2.9	---	---	---	---

Table 6
Treatment System Analytical Data
 Station #608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	6.6	---	---	---	---
12/05/06	System Shutdown									
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	1.4	---	<10	---	---
02/05/07	70	<0.50	<0.50	<0.50	<0.50	7.1	---	---	---	---
03/05/07	87	<0.50	<0.50	<0.50	<0.50	5.8	---	---	---	---
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	6.5	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	6.9	NS	NS	NM	NM
06/04/07	<50	<0.50	<0.50	<0.50	<0.50	7.1	NS	NS	NM	NM
MID-1 (between primary and secondary carbons)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	---	---	---	---	---	---	---	---	---	---
08/18/92	---	---	---	---	---	---	---	---	---	---
09/15/92	---	---	---	---	---	---	---	---	---	---
10/16/92	---	---	---	---	---	---	---	---	---	---
11/18/92	---	---	---	---	---	---	---	---	---	---
12/17/92	---	---	---	---	---	---	---	---	---	---
01/18/93	---	---	---	---	---	---	---	---	---	---
02/22/93	---	---	---	---	---	---	---	---	---	---
03/15/93	---	---	---	---	---	---	---	---	---	---
04/09/93	---	---	---	---	---	---	---	---	---	---
05/13/93	---	---	---	---	---	---	---	---	---	---
06/04/93	---	---	---	---	---	---	---	---	---	---
07/14/94	ND	ND	ND	ND	ND	---	---	---	---	---
08/17/94	---	---	---	---	---	---	---	---	---	---
09/12/94	---	---	---	---	---	---	---	---	---	---
10/18/94	---	---	---	---	---	---	---	---	---	---
11/05/94	---	---	---	---	---	---	---	---	---	---
12/05/94	---	---	---	---	---	---	---	---	---	---
01/04/95	---	---	---	---	---	---	---	---	---	---
02/06/95	---	---	---	---	---	---	---	---	---	---
03/02/95	---	---	---	---	---	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

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Treatment System Analytical Data
 Station #608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons) (continued)										
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	130	---	---	---	---
3/27/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	120	---	---	---	---
4/24/03 ¹	280	<2.5	<2.5	<2.5	<2.5	110	---	---	---	---
5/30/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	140	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (1.3) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8	---	---	---	---

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Treatment System Analytical Data
 Station #608
 17601 Hesperian Boulevard at Hacienda Avenue
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Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons) (continued)										
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	2.4	---	---	---	---
05/18/05	58 ³	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/08/06	55	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
04/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
12/05/06	System Shutdown									
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	4.3	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	6.0	NS	NS	NM	NM
06/04/07	<50	<0.50	<0.50	<0.50	<0.50	6.7	NS	NS	NM	NM
MID-2 (between secondary and tertiary carbons)										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	---	---	---	---	---	---	---	---	---	---
09/08/00	---	---	---	---	---	---	---	---	---	---
10/10/00	---	---	---	---	---	---	---	---	---	---
11/07/00	---	---	---	---	---	---	---	---	---	---
12/05/00	---	---	---	---	---	---	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

Table 6
Treatment System Analytical Data
 Station #608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons) continued										
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1	---	---	---	---
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.94	---	---	---	---
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/18/04	86	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---

Table 6
Treatment System Analytical Data
 Station #608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons) continued										
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
02/08/06	66	<0.50	<0.50	<0.50	<1.0	3.3	---	---	---	---
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	3.0	---	---	---	---
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	2.6	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	4.3	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.4	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	5.2	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
12/05/06	System Shutdown									
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	2.1	---	---	---	---
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	4.5	---	---	---	---
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	4.2	---	---	---	---
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	6.3	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	4.7	NS	NS	NM	NM
06/04/07	<50	<0.50	<0.50	<0.50	<0.50	4.7	NS	NS	NM	NM
EFFL (effluent to sewer)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

Table 6
Treatment System Analytical Data
 Station #608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/09/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/04/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/20/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/16/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/21/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	7.19	---
06/12/00	<50	---	---	---	---	---	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	---

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 Station #608
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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.25	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.24	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	55	<10	6.89	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²	<20	<10	6.82	3.45
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	0.94
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---

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Treatment System Analytical Data
Station #608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.61	2.35
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.59	36.6 ⁴
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.3	2.93
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	7.2	15.0 ⁴
02/08/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	6.82	3.02
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	<0.50	<30	<10	6.87	1.12
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	0.80	<30	<10	6.78	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	<30	<10	7.58	4.45
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.66	4.28
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.24	3.47
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.32	7.26
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.39	5.24
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.34	5.25
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.03	---
12/05/06	System Shutdown									
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.86	---
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.79	---
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.31	---
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.8	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.7	NM
06/04/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.5	NM

Table 6
Treatment System Analytical Data
ARCO Service Station #608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

SYMBOLS AND ABBREVIATIONS:

---	=Not applicable/available/sampled
<	=Not detected at or above the laboratory reporting limit.
COD	=Chemical oxygen demand
DO	=Dissolved Oxygen, field measurement
GRO	=Gasoline Range Organics
µg/L	=Micrograms per liter
mg/L	=Milligrams per liter
MTBE	=Methyl tert-Butyl Ether
ND	=Not detected at or above the laboratory reporting limit
TPH-g	=Total purgeable petroleum hydrocarbons as gasoline
TSS	=Total suspended solids

FOOTNOTES:

1 = Analyzed with EPA Method 8260

2 = MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).

3 = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

4 = Value appears to be anomalous.

5 = Possible high bias due to CCV falling outside acceptance criteria

NOTES:

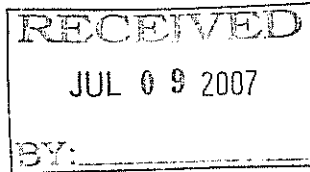
GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.

APPENDIX A

**STRATUS GROUND-WATER SAMPLING DATA PACKAGE
(INCLUDES FIELD DATA SHEETS AND LABORATORY ANALYTICAL REPORT WITH
CHAIN-OF-CUSTODY DOCUMENTATION)**



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

June 29, 2007

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

Re: Groundwater Sampling Data Package, BP Service Station No. 608, located at 17601 Hesperian Boulevard, San Lorenzo, California (Quarterly Monitoring performed on June 20, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson

Phone Number: (530) 676-6000

On-Site Supplier Representatives: David DeMello

Date: June 20, 2007

Arrival: 08:15 *Departure:* 13:00

Weather Conditions: Clear

Unusual Field Conditions: None

Scope of Work Performed: Quarterly monitoring and sampling

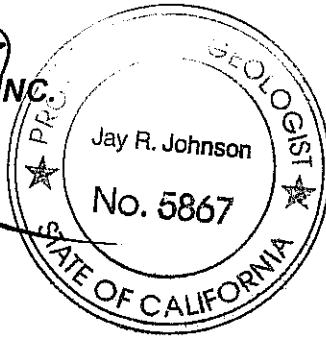
Variations from Work Scope: Well 642H is located in residential area. The property owner has not responded to written requests to enter property. The pump is down in well 17372VM, therefore it was not sampled.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include bill of lading, field data sheets, chain of custody documentation, and certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Jay R. Johnson, P.G.
Project Manager



Attachments:

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

CC: Mr. Paul Supple, BP/ARCO

NO. 662131

NON-HAZARDOUS WASTE DATA FORM

SITE:

EPA I.D. NO.

NAME BP WEST COAST PRODUCTS LLC ARCO # 608

ADDRESS P.O. BOX 60249 RANCHO SANTA MARGARITA CA 92066

CITY, STATE, ZIP

PHONE NO. ()

CONTAINERS: No. _____ VOLUME 15.5 WEIGHT _____

TYPE: TANK TRUCK DUMP TRUCK DRUMS CARTONS OTHER _____

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

COMPONENTS OF WASTE			COMPONENTS OF WASTE		
1.	PPM	%	5.	PPM	%
<u>WATER</u>	<u>95-100%</u>				
<u>TPH</u>	<u><1%</u>				
			<u>BEST#</u>		

PROPERTIES: 7-35 pH SOLID LIQUID SLUDGE SLURRY OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

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

Larry Woothart BEST for BP 06-20-07
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TO BE COMPLETED BY GENERATOR

TRANSPORTER

NAME Transporter #1 STRATUS ENVIRONMENTAL Transporter #2

ADDRESS 3930 CAMERON PARK DRIVE STE 350

CITY, STATE, ZIP CAMERON PARK CA 95562

PHONE NO. 530-676-6004

David Demello 6-20-07
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

EPA I.D. NO.

SERVICE ORDER NO. _____

PICK UP DATE _____

TRUCK, UNIT, I.D. NO. _____

TSD FACILITY

NAME SEAPORT REFINING & ENVIRONMENTAL, LLC

ADDRESS 700 SEAPORT BLVD.

CITY, STATE, ZIP REDWOOD CITY, CA 94063

PHONE NO. 650-984-1024

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

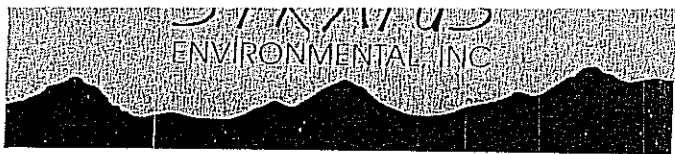
EPA I.D. NO.

DISPOSAL METHOD

LANDFILL OTHER _____

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

DISCREPANCY



17601 Hesperian Bl
 Site Address: ~~17601~~
 City SAN LORENZO, CA
 Sampled By D. DeMello

Site Number: AKC 608
 Project No. 2608-03
 Project PM Jay Johnson
 Date Sampled 06-20-07

ORIGINAL

Site Contact Phone No.

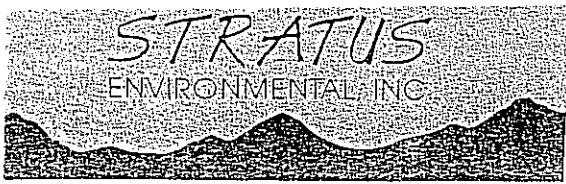
Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of Well feet	Casing Water Column (A)	Well Diameter (inches)	Multiplier Value (B)	Three Casing Volumes (gallons)	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample Time	Dissolved Oxygen (mg/L)
MW-10	0856	9.94		22.25	12.31	3"	6	12.31	12		X			9.92	MW-10	0925	6.47
MW-25	1130	11.40		18.30	6.9	2"	.5	3.45	3.5		X			11.41	MW-25	1149	6.66
5	1050	11.82		13.45													
8	1057	10.39		20.75													
9	1106	9.88		18.05													
10	0856	9.94		22.25													
11	0945	10.84		18.60													
E-1A	1240	18.71								X					E-1A	1219	3.40
14	0953	9.33		22.85													
15	0957	10.52		23.02													
16	1012	11.10		22.94													
18	1016	10.15		21.25													
21	1021	9.89		21.30													
22	1027	10.64		21.30													
23	1032	11.68		21.45													
25	1130	11.40		18.30													
26	1041	11.80		19.25													
0424	N/A																
17372	N/A																

"DO"
 Post Purge
 3.74
 1.10

15.5

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

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



Site Address 17601 Hesperiano Bl
 City SAN LORENZO, CA
 Site Sampled by D. DeMello

Site Number ARLO 608
 Project No. E-608-03
 Project PM JAY JOHNSON
 Date Sampled 06-20-07

ORIGINAL

Well ID <u>MW-10</u> <u>0925</u>					Well ID <u>MW-25</u> <u>1199</u>				
purge start time <u>BAILER ODOR</u>					purge start time <u>BAILER No odor</u>				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	<u>19.6</u>	<u>7.22</u>	<u>776</u>	<u>0</u>	time	<u>20.0</u>	<u>7.27</u>	<u>940</u>	<u>0</u>
time	<u>19.5</u>	<u>7.28</u>	<u>784</u>	<u>6</u>	time	<u>19.7</u>	<u>7.24</u>	<u>926</u>	<u>3.5</u>
time	<u>19.4</u>	<u>7.18</u>	<u>784</u>	<u>12</u>	time				
time					time				
purge stop time <u>ORP (45)</u>					purge stop time <u>ORP (37)</u>				
Well ID <u>E-1A</u> <u>1219</u>					Well ID				
purge start time <u>No Purge</u>					purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	<u>22.2</u>	<u>7.35</u>	<u>922</u>	<u>0</u>	time				
time					time				
time					time				
time					time				
purge stop time <u>ORP (177)</u>					purge stop time				
Well ID					Well ID				
purge start time					purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time				
Well ID					Well ID				
purge start time					purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time				

Chain of Custody Record

Project Name: ARCO 608
 BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 608
 State or Lead Regulatory Agency: _____
 Requested Due Date (mm/dd/yy): STD TAT

ORIGINAL

On-site Time: <u>0815</u>	Temp: <u>70^s</u>
Off-site Time: <u>1300</u>	Temp: <u>80^s</u>
Sky Conditions: <u>CLEAR</u>	
Meteorological Events: <u>-</u>	
Wind Speed: <u>-</u>	Direction: <u>-</u>

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>17601 Hesperian Boulevard, San Lorenzo</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
<u>Morgan Hill, CA 95937</u>	Site Lat/Long:	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T0600100085</u>	Consultant/Contractor Project No.: <u>E608-03</u>
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: <u>G0C24-0017</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or OOC (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>04-Monitoring</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shayes@stratusinc.net</u>
Tele/Fax: <u>925-275-3506</u>	Cost Element: <u>01-Contractor labor</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Sample Point Lat/Long and Comments *Oxy= MTBE,TAME,ETBE,DIPE,TBA				
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	DRO					
1	MW-10	<u>0925</u>	<u>06-20</u>	X				<u>3</u>						X	X	X	X						
2	MW-25	<u>1149</u>	<u>06-20</u>	X				<u>6</u>						X	X	X	X						
3	642H			X										X	X	X	X						Not Sampled
4	17372VM			X										X	X	X	X						Not Sampled
5	<u>E-1A</u>	<u>1219</u>	<u>06-20</u>	X				<u>3</u>						X	X	X	X						
6																							
7	<u>TB-608-06202007</u>	<u>0925</u>	<u>06-20</u>	X				<u>2</u>															<u>Hold</u>
8				X										X	X	X	X						HOLD
9																							
10																							

Sampler's Name: <u>David Damello</u>	Relinquished By / Affiliation: <u>David Damello</u>	Date: <u>6-20-07</u>	Time: <u>1504</u>	Accepted By / Affiliation: <u>Jean...</u>	Date: <u>6/20/07</u>	Time: <u>1305</u>
Sampler's Company: <u>STRATUS ENVIRONMENTAL</u>				TEST America		
Shipment Date: <u>6-20-07</u>				W. Sac		
Shipment Method: <u>IN PERSON</u>						
Shipment Tracking No:						

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

Custody Seals In Place: Yes / No	Temp Blank: <u>Yes</u> / No	Cooler Temp on Receipt: _____ °F/C	Trip Blank: <u>Yes</u> / No	MS/MSD Sample Submitted: Yes / No
----------------------------------	-----------------------------	------------------------------------	-----------------------------	-----------------------------------

9 July, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQF0634

Enclosed are the results of analyses for samples received by the laboratory on 06/20/07 18:35. 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.

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0634
Reported:
07/09/07 15:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Mntrix	Date Sampled	Date Received
MW-10	MQF0634-01	Water	06/20/07 09:25	06/20/07 18:35
MW-25	MQF0634-02	Water	06/20/07 11:49	06/20/07 18:35
E-1A	MQF0634-03	Water	06/20/07 12:19	06/20/07 18:35
TB-608-06202007	MQF0634-04	Water	06/20/07 08:25	06/20/07 18:35

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.

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQF0634 Reported: 07/09/07 15:36
---	--	--

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

MW-10 (MQF0634-01RE1) Water Sampled: 06/20/07 09:25 Received: 06/20/07 18:35

Gasoline Range Organics (C4-C12)	300	50	ug/l	1	7F27026	06/27/07	06/28/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		89 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		95 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		98 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	60-135		"	"	"	"	

MW-25 (MQF0634-02) Water Sampled: 06/20/07 11:49 Received: 06/20/07 18:35

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F27026	06/27/07	06/28/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		91 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		94 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98 %	60-135		"	"	"	"	

E-1A (MQF0634-03) Water Sampled: 06/20/07 12:19 Received: 06/20/07 18:35

Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F27026	06/27/07	06/28/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		90 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		96 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		92 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95 %	60-135		"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: GOC24-0017 Project Manager: Jay Johnson	MQF0634 Reported: 07/09/07 15:36
---	--	--

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MQF0634-01RE1) Water Sampled: 06/20/07 09:25 Received: 06/20/07 18:35									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F27026	06/27/07	06/28/07	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	5.9	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95 %	75-120	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89 %	60-125	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	60-135	"	"	"	"	"	
MW-25 (MQF0634-02) Water Sampled: 06/20/07 11:49 Received: 06/20/07 18:35									
tert-Amyl methyl ether	1.3	0.50	ug/l	1	7F27026	06/27/07	06/28/07	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	2.8	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	75-120	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91 %	60-125	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98 %	60-135	"	"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQF0634 Reported: 07/09/07 15:36
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Volatile Organic Compounds by EPA Method 8260B
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E-1A (MQF0634-03) Water Sampled: 06/20/07 12:19 Received: 06/20/07 18:35									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F27026	06/27/07	06/28/07	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	6.8	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %		60-135	"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0634
Reported:
07/09/07 15:36

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
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Batch 7F26018 - EPA 5030B P/T / LUFT GCMS

Blank (7F26018-BLK1)

Prepared & Analyzed: 06/26/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.67		"	2.50		107	60-125			
Surrogate: Dibromofluoromethane	2.51		"	2.50		100	75-120			
Surrogate: Toluene-d8	2.46		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.44		"	2.50		98	60-135			

Laboratory Control Sample (7F26018-BS2)

Prepared & Analyzed: 06/26/07

Gasoline Range Organics (C4-C12)	489	50	ug/l	500		98	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.49		"	2.50		100	60-125			
Surrogate: Dibromofluoromethane	2.39		"	2.50		96	75-120			
Surrogate: Toluene-d8	2.46		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.53		"	2.50		101	60-135			

Laboratory Control Sample Dup (7F26018-BSD2)

Prepared & Analyzed: 06/26/07

Gasoline Range Organics (C4-C12)	534	50	ug/l	500		107	65-120	9	20	
Surrogate: 1,2-Dichloroethane-d4	2.77		"	2.50		111	60-125			
Surrogate: Dibromofluoromethane	2.54		"	2.50		102	75-120			
Surrogate: Toluene-d8	2.47		"	2.50		99	80-120			
Surrogate: 4-Bromofluorobenzene	2.69		"	2.50		108	60-135			

Batch 7F27026 - EPA 5030B P/T / LUFT GCMS

Blank (7F27026-BLK1)

Prepared: 06/27/07 Analyzed: 06/28/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.44		"	2.50		98	60-125			
Surrogate: Dibromofluoromethane	2.36		"	2.50		94	75-120			
Surrogate: Toluene-d8	2.23		"	2.50		89	80-120			
Surrogate: 4-Bromofluorobenzene	2.33		"	2.50		93	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

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Reported:
07/09/07 15:36

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
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Batch 7F27026 - EPA 5030B P/T / LUFT GCMS

Laboratory Control Sample (7F27026-BS2)

Prepared & Analyzed: 06/27/07

Gasoline Range Organics (C4-C12)	414	50	ug/l	500		83	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.25		"	2.50		90	60-125			
Surrogate: Dibromofluoromethane	2.49		"	2.50		100	75-120			
Surrogate: Toluene-d8	2.39		"	2.50		96	80-120			
Surrogate: 4-Bromofluorobenzene	2.67		"	2.50		107	60-135			

Laboratory Control Sample Dup (7F27026-BSD2)

Prepared & Analyzed: 06/27/07

Gasoline Range Organics (C4-C12)	438	50	ug/l	500		88	65-120	6	20	
Surrogate: 1,2-Dichloroethane-d4	2.37		"	2.50		95	60-125			
Surrogate: Dibromofluoromethane	2.35		"	2.50		94	75-120			
Surrogate: Toluene-d8	2.40		"	2.50		96	80-120			
Surrogate: 4-Bromofluorobenzene	2.60		"	2.50		104	60-135			

Stratus Environmental Inc. [Arco]
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Cameron Park CA, 95682

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0634
Reported:
07/09/07 15:36

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
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Batch 7F26018 - EPA 5030B P/T / EPA 8260B

Blank (7F26018-BLK1)

Prepared & Analyzed: 06/26/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.51		"	2.50		100	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.67		"	2.50		107	60-125			
<i>Surrogate: Toluene-d8</i>	2.46		"	2.50		98	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.44		"	2.50		98	60-135			

Laboratory Control Sample (7F26018-BS1)

Prepared & Analyzed: 06/26/07

tert-Amyl methyl ether	8.95	0.50	ug/l	10.0		90	65-135			
Benzene	8.16	0.50	"	10.0		82	75-120			
tert-Butyl alcohol	190	20	"	200		95	60-135			
Di-isopropyl ether	9.37	0.50	"	10.0		94	70-130			
1,2-Dibromoethane (EDB)	9.37	0.50	"	10.0		94	80-135			
1,2-Dichloroethane	8.93	0.50	"	10.0		89	70-125			
Ethanol	194	300	"	200		97	15-150			
Ethyl tert-butyl ether	9.48	0.50	"	10.0		95	65-130			
Ethylbenzene	8.55	0.50	"	10.0		86	75-120			
Methyl tert-butyl ether	9.05	0.50	"	10.0		90	50-140			
Toluene	8.52	0.50	"	10.0		85	75-120			
Xylenes (total)	25.2	0.50	"	30.0		84	75-130			
<i>Surrogate: Dibromofluoromethane</i>	2.43		"	2.50		97	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.45		"	2.50		98	60-125			
<i>Surrogate: Toluene-d8</i>	2.48		"	2.50		99	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.42		"	2.50		97	60-135			

TestAmerica - Morgan Hill, CA

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0634
Reported:
07/09/07 15:36

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
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Batch 7F26018 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7F26018-MS1)		Source: MQF0634-01			Prepared & Analyzed: 06/26/07					
tert-Amyl methyl ether	10.0	0.50	ug/l	10.0	ND	100	65-135			
Benzene	8.83	0.50	"	10.0	ND	88	75-120			
tert-Butyl alcohol	222	20	"	200	15.6	103	60-135			
Di-isopropyl ether	10.2	0.50	"	10.0	ND	102	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0	ND	102	80-135			
1,2-Dichloroethane	9.78	0.50	"	10.0	ND	98	70-125			
Ethanol	176	300	"	200	ND	88	15-150			
Ethyl tert-butyl ether	10.4	0.50	"	10.0	ND	104	65-130			
Ethylbenzene	9.14	0.50	"	10.0	ND	91	75-120			
Methyl tert-butyl ether	16.1	0.50	"	10.0	8.31	78	50-140			
Toluene	9.01	0.50	"	10.0	ND	90	75-120			
Xylenes (total)	27.0	0.50	"	30.0	ND	90	75-130			
<i>Surrogate: Dibromofluoromethane</i>	2.55		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.54		"	2.50		102	60-125			
<i>Surrogate: Toluene-d8</i>	2.51		"	2.50		100	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.49		"	2.50		100	60-135			

Matrix Spike Dup (7F26018-MSD1)		Source: MQF0634-01			Prepared & Analyzed: 06/26/07					
tert-Amyl methyl ether	10.8	0.50	ug/l	10.0	ND	108	65-135	7	25	
Benzene	8.61	0.50	"	10.0	ND	86	75-120	3	20	
tert-Butyl alcohol	242	20	"	200	15.6	113	60-135	9	25	
Di-isopropyl ether	11.5	0.50	"	10.0	ND	115	70-130	12	25	
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0	ND	106	80-135	3	30	
1,2-Dichloroethane	11.1	0.50	"	10.0	ND	111	70-125	12	25	
Ethanol	135	300	"	200	ND	68	15-150	26	25	BA
Ethyl tert-butyl ether	11.8	0.50	"	10.0	ND	118	65-130	12	25	
Ethylbenzene	8.38	0.50	"	10.0	ND	84	75-120	9	20	
Methyl tert-butyl ether	17.6	0.50	"	10.0	8.31	93	50-140	9	25	
Toluene	8.86	0.50	"	10.0	ND	89	75-120	2	25	
Xylenes (total)	24.0	0.50	"	30.0	ND	80	75-130	12	20	
<i>Surrogate: Dibromofluoromethane</i>	2.69		"	2.50		108	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.95		"	2.50		118	60-125			
<i>Surrogate: Toluene-d8</i>	2.51		"	2.50		100	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.31		"	2.50		92	60-135			

TestAmerica - Morgan Hill, CA

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Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQF0634 Reported: 07/09/07 15:36
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7F27026 - EPA 5030B P/T / EPA 8260B

Blk (7F27026-BLK1)

Prepared: 06/27/07 Analyzed: 06/28/07

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	"							
<i>Surrogate: Dibromofluoromethane</i>	2.36		"	2.50		94	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.44		"	2.50		98	60-125			
<i>Surrogate: Toluene-d8</i>	2.23		"	2.50		89	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.33		"	2.50		93	60-135			

Laboratory Control Sample (7F27026-BS1)

Prepared & Analyzed: 06/27/07

tert-Amyl methyl ether	10.4	0.50	ug/l	10.0		104	65-135			
Benzene	9.68	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	206	20	"	200		103	60-135			
Di-isopropyl ether	9.63	0.50	"	10.0		96	70-130			
1,2-Dibromoethane (EDB)	10.9	0.50	"	10.0		109	80-135			
1,2-Dichloroethane	9.36	0.50	"	10.0		94	70-125			
Ethanol	217	300	"	200		109	15-150			
Ethyl tert-butyl ether	9.95	0.50	"	10.0		100	65-130			
Ethylbenzene	9.95	0.50	"	10.0		100	75-120			
Methyl tert-butyl ether	10.0	0.50	"	10.0		100	50-140			
Toluene	10.1	0.50	"	10.0		101	75-120			
Xylenes (total)	29.8	0.50	"	30.0		99	75-130			
<i>Surrogate: Dibromofluoromethane</i>	2.51		"	2.50		100	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.40		"	2.50		96	60-125			
<i>Surrogate: Toluene-d8</i>	2.44		"	2.50		98	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.53		"	2.50		101	60-135			

TestAmerica - Morgan Hill, CA

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Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQF0634 Reported: 07/09/07 15:36
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7F27026 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7F27026-MS1)	Source: MQF0634-03	Prepared & Analyzed: 06/27/07								
tert-Amyl methyl ether	9.70	0.50	ug/l	10.0	0.320	94	65-135			
Benzene	9.11	0.50	"	10.0	ND	91	75-120			
tert-Butyl alcohol	189	20	"	200	ND	94	60-135			
Di-isopropyl ether	9.62	0.50	"	10.0	ND	96	70-130			
1,2-Dibromoethane (EDB)	9.61	0.50	"	10.0	ND	96	80-135			
1,2-Dichloroethane	9.01	0.50	"	10.0	ND	90	70-125			
Ethanol	184	300	"	200	ND	92	15-150			
Ethyl tert-butyl ether	9.64	0.50	"	10.0	ND	96	65-130			
Ethylbenzene	9.49	0.50	"	10.0	ND	95	75-120			
Methyl tert-butyl ether	15.8	0.50	"	10.0	6.78	91	50-140			
Toluene	9.43	0.50	"	10.0	ND	94	75-120			
Xylenes (total)	27.9	0.50	"	30.0	ND	93	75-130			
Surrogate: Dibromofluoromethane	2.34		"	2.50		94	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.33		"	2.50		93	60-125			
Surrogate: Toluene-d8	2.44		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.61		"	2.50		104	60-135			

Matrix Spike Dup (7F27026-MSD1)	Source: MQF0634-03	Prepared & Analyzed: 06/27/07								
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	0.320	98	65-135	4	25	
Benzene	9.63	0.50	"	10.0	ND	96	75-120	6	20	
tert-Butyl alcohol	196	20	"	200	ND	98	60-135	4	25	
Di-isopropyl ether	9.97	0.50	"	10.0	ND	100	70-130	4	25	
1,2-Dibromoethane (EDB)	10.4	0.50	"	10.0	ND	104	80-135	8	30	
1,2-Dichloroethane	9.44	0.50	"	10.0	ND	94	70-125	5	25	
Ethanol	174	300	"	200	ND	87	15-150	6	25	
Ethyl tert-butyl ether	9.90	0.50	"	10.0	ND	99	65-130	3	25	
Ethylbenzene	9.68	0.50	"	10.0	ND	97	75-120	2	20	
Methyl tert-butyl ether	17.5	0.50	"	10.0	6.78	107	50-140	10	25	
Toluene	9.66	0.50	"	10.0	ND	97	75-120	2	25	
Xylenes (total)	28.0	0.50	"	30.0	ND	93	75-130	0.2	20	
Surrogate: Dibromofluoromethane	2.39		"	2.50		96	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.32		"	2.50		93	60-125			
Surrogate: Toluene-d8	2.37		"	2.50		95	80-120			
Surrogate: 4-Bromofluorobenzene	2.40		"	2.50		96	60-135			

TestAmerica - Morgan Hill, CA

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0634
Reported:
07/09/07 15:36

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco
 REC. BY (PRINT) A.M.
 WORKORDER: MAF0634

DATE REC'D AT LAB: 6/20/07
 TIME REC'D AT LAB: 1835
 DATE LOGGED IN: 6/21/07

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 / <input checked="" type="radio"/> Absent Intact / Broken*								See COC A.M. 6/20/07
2. Chain-of-Custody Present / <input checked="" type="radio"/> Absent*								
3. Traffic Reports or Packing List: Present / <input checked="" type="radio"/> Absent								
4. Airbill: Airbill / Sticker Present / <input checked="" type="radio"/> Absent								
5. Airbill #:								
6. Sample Labels: Present / <input checked="" type="radio"/> 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? <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
10. Sample received within hold time? <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
12. Proper preservatives used? <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) <input checked="" type="radio"/> Yes / <input checked="" type="radio"/> No* <u>A.M.</u>								
14. Read Temp: <u>2.2°C</u> Corrected Temp: <u>↓</u> Is corrected temp 4 +/-2°C? <input checked="" type="radio"/> Yes / <input type="radio"/> No**								

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

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

APPENDIX B

**SYSTEM O&M DATA PACKAGES AND MONTHLY DISCHARGE REPORTS
(INCLUDES FIELD DATA SHEETS AND LABORATORY ANALYTICAL REPORTS WITH
CHAIN-OF-CUSTODY DOCUMENTATION)**



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

May 9, 2007
Project No: 608-03

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

Re: Remediation System Operation and Maintenance Data Package, ARCO Service Station No. 608, located at 17601 Hesperian Boulevard, San Lorenzo, California (Field activities performed on April 2, 10 and 16, 2007)

General Information

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

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

On-Site Supplier Representative: Kiran Nagaraju

System Overview: Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

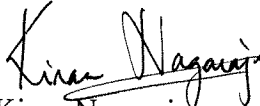
Scope of Work Performed: Conduct routine operation and maintenance and record system measurements. System samples were collected on April 16.

Variations from Work Scope: The effluent flow totalizer was found to be non-functioning during a site visit conducted on April 2, 2007. The remediation system was shutdown on the same day pending replacement of the totalizer. The system was re-started on April 10, 2007 after replacing the totalizer.


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.


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. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
 Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

 ORIGINAL

Date: 4-2-07
 Onsite Time: 1009
 Offsite Time: 1100
 Equipment Information/Model#:

Technician: CHILL
 Weather Conditions: Clear
 Ambient Temperature: 55

One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

- System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: Operational Non-operational

Electric Meter Reading: _____
 Hour Meter Reading: _____

*System Running BUT
 No Totalizer move
 clear still No move shot
 system off
 get new
 Totalizer*

Flow Totalizer Reading Before Carbon Treatment: NA

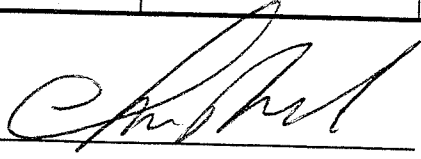
Flow Totalizer Reading After Carbon Treatment: 4762980

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig				

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature: 

Date: 4-2-07

4762980

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

 ORIGINAL

Date: 4-10-07
 Onsite Time: 0645
 Offsite Time: 0800
 Technician: CHILL
 Weather Conditions: Clear
 Ambient Temperature: 50
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: NA Operational Non-operational

Electric Meter Reading: 51221
 Hour Meter Reading: 36178

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4762985 old Totalizer

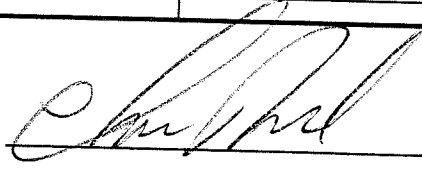
No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	4	3	4	4

1 GPM thru carbon to sewer

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature:  Date: 4-10-07

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
 Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)



Date: 4/16/07
 Onsite Time: 0730
 Offsite Time: 0845
 Technician: CHILL
 Weather Conditions: Clear
 Ambient Temperature: 50
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: NA Operational Non-operational

Electric Meter Reading: 51237
 Hour Meter Reading: 36323.8

Flow Totalizer Reading Before Carbon Treatment: _____

Flow Totalizer Reading After Carbon Treatment: 6538.48

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	<u>5</u>	<u>3</u>	<u>4</u>	<u>4</u>

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°F	units	msiemens
Effluent	<u>17.5</u>	<u>7.8</u>	<u>905</u>

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF	<u>4/16/07 0810</u>		
00608WGAC1	<u>0805</u>		
00608WGAC2	<u>0800</u>		
00608WEFF	<u>0815</u>		

TB60841607
 Signature: [Handwritten Signature]
0830

Date: 4/16/07

30 April, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQD0638

Enclosed are the results of analyses for samples received by the laboratory on 04/16/07 11:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQD0638-01	Water	04/16/07 08:10	04/16/07 11:10
00608WGAC1	MQD0638-02	Water	04/16/07 08:05	04/16/07 11:10
00608WGAC2	MQD0638-03	Water	04/16/07 08:00	04/16/07 11:10
00608WEFF	MQD0638-04	Water	04/16/07 08:15	04/16/07 11:10
TB60841607	MQD0638-05	Water	04/16/07 08:30	04/16/07 11:10

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

These samples were received with no custody seals.

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQD0638-01) Water Sampled: 04/16/07 08:10 Received: 04/16/07 11:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D21010	04/21/07	04/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		110 %	60-125		"	"	"	"	
00608WGAC1 (MQD0638-02) Water Sampled: 04/16/07 08:05 Received: 04/16/07 11:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D21010	04/21/07	04/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		112 %	60-125		"	"	"	"	
00608WGAC2 (MQD0638-03) Water Sampled: 04/16/07 08:00 Received: 04/16/07 11:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D21010	04/21/07	04/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		112 %	60-125		"	"	"	"	
00608WEFF (MQD0638-04) Water Sampled: 04/16/07 08:15 Received: 04/16/07 11:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D16003	04/16/07	04/16/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		81 %	60-125		"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQD0638-01) Water Sampled: 04/16/07 08:10 Received: 04/16/07 11:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D21010	04/21/07	04/22/07	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	6.5	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %	60-135		"	"	"	"	
00608WGAC1 (MQD0638-02) Water Sampled: 04/16/07 08:05 Received: 04/16/07 11:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D21010	04/21/07	04/22/07	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	4.3	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86 %	60-135		"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WGAC2 (MQD0638-03) Water Sampled: 04/16/07 08:00 Received: 04/16/07 11:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D21010	04/21/07	04/22/07	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	6.3	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		60-135	"	"	"	"	
00608WEFF (MQD0638-04) Water Sampled: 04/16/07 08:15 Received: 04/16/07 11:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D16003	04/16/07	04/16/07	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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		81 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99 %		60-135	"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
00608WEFF (MQD0638-04) Water Sampled: 04/16/07 08:15 Received: 04/16/07 11:10										
Chemical Oxygen Demand	ND	30		mg/l	1	7D18032	04/17/07	04/17/07	EPA 410.4	
Total Suspended Solids	ND	10		"	"	7D18007	04/17/07	04/18/07	EPA 160.2	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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 7D16003 - EPA 5030B P/T / LUFT GCMS

Blank (7D16003-BLK1)

Prepared & Analyzed: 04/16/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.07		"	2.50		83	60-125			

Laboratory Control Sample (7D16003-BS2)

Prepared & Analyzed: 04/16/07

Gasoline Range Organics (C4-C12)	407	50	ug/l	500		81	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-125			

Laboratory Control Sample Dup (7D16003-BSD2)

Prepared & Analyzed: 04/16/07

Gasoline Range Organics (C4-C12)	414	50	ug/l	500		83	65-120	2	20	
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-125			

Batch 7D21010 - EPA 5030B P/T / LUFT GCMS

Blank (7D21010-BLK1)

Prepared & Analyzed: 04/21/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.63		"	2.50		105	60-125			

Laboratory Control Sample (7D21010-BS2)

Prepared & Analyzed: 04/21/07

Gasoline Range Organics (C4-C12)	438	50	ug/l	500		88	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.72		"	2.50		109	60-125			

Laboratory Control Sample Dup (7D21010-BSD2)

Prepared & Analyzed: 04/21/07

Gasoline Range Organics (C4-C12)	420	50	ug/l	500		84	65-120	4	20	
Surrogate: 1,2-Dichloroethane-d4	2.65		"	2.50		106	60-125			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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 7D16003 - EPA 5030B P/T / EPA 8260B

Blank (7D16003-BLK1)

Prepared & Analyzed: 04/16/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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	"							
<i>Surrogate: Dibromofluoromethane</i>	2.26		"	2.50		90	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.07		"	2.50		83	60-125			
<i>Surrogate: Toluene-d8</i>	2.43		"	2.50		97	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.27		"	2.50		91	60-135			

Laboratory Control Sample (7D16003-BS1)

Prepared & Analyzed: 04/16/07

tert-Amyl methyl ether	8.26	0.50	ug/l	10.0		83	65-135			
Benzene	9.67	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	200	20	"	200		100	60-135			
Di-isopropyl ether	7.93	0.50	"	10.0		79	70-130			
Ethyl tert-butyl ether	7.91	0.50	"	10.0		79	65-130			
Ethylbenzene	10.6	0.50	"	10.0		106	75-120			
Methyl tert-butyl ether	8.23	0.50	"	10.0		82	50-140			
Toluene	9.98	0.50	"	10.0		100	75-120			
Xylenes (total)	32.8	0.50	"	30.0		109	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.23		"	2.50		89	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.20		"	2.50		88	60-125			
<i>Surrogate: Toluene-d8</i>	2.46		"	2.50		98	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.38		"	2.50		95	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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
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Batch 7D16003 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7D16003-MS1)	Source: MQD0298-05			Prepared & Analyzed: 04/16/07						
tert-Amyl methyl ether	11.8	0.50	ug/l	10.0	ND	118	65-135			
Benzene	11.2	0.50	"	10.0	ND	112	75-120			
tert-Butyl alcohol	225	20	"	200	ND	112	60-135			
Di-isopropyl ether	10.9	0.50	"	10.0	ND	109	70-130			
Ethyl tert-butyl ether	11.3	0.50	"	10.0	ND	113	65-130			
Ethylbenzene	11.1	0.50	"	10.0	ND	111	75-120			
Methyl tert-butyl ether	11.6	0.50	"	10.0	ND	116	50-140			
Toluene	11.3	0.50	"	10.0	ND	113	75-120			
Xylenes (total)	35.1	0.50	"	30.0	ND	117	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.45		"	2.50		98	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.52		"	2.50		101	60-125			
<i>Surrogate: Toluene-d8</i>	2.51		"	2.50		100	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.55		"	2.50		102	60-135			

Matrix Spike Dup (7D16003-MSD1)	Source: MQD0298-05			Prepared & Analyzed: 04/16/07						
tert-Amyl methyl ether	12.4	0.50	ug/l	10.0	ND	124	65-135	5	25	
Benzene	11.5	0.50	"	10.0	ND	115	75-120	3	20	
tert-Butyl alcohol	232	20	"	200	ND	116	60-135	3	25	
Di-isopropyl ether	11.1	0.50	"	10.0	ND	111	70-130	2	25	
Ethyl tert-butyl ether	11.8	0.50	"	10.0	ND	118	65-130	4	25	
Ethylbenzene	11.5	0.50	"	10.0	ND	115	75-120	4	20	
Methyl tert-butyl ether	12.0	0.50	"	10.0	ND	120	50-140	3	25	
Toluene	11.5	0.50	"	10.0	ND	115	75-120	2	25	
Xylenes (total)	35.4	0.50	"	30.0	ND	118	75-120	0.9	20	
<i>Surrogate: Dibromofluoromethane</i>	2.49		"	2.50		100	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.55		"	2.50		102	60-125			
<i>Surrogate: Toluene-d8</i>	2.53		"	2.50		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.61		"	2.50		104	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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
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Batch 7D21010 - EPA 5030B P/T / EPA 8260B

Blank (7D21010-BLK1)

Prepared & Analyzed: 04/21/07

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	"							
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.63		"	2.50		105	60-125			
<i>Surrogate: Toluene-d8</i>	2.38		"	2.50		95	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.22		"	2.50		89	60-135			

Laboratory Control Sample (7D21010-BS1)

Prepared & Analyzed: 04/21/07

tert-Amyl methyl ether	11.5	0.50	ug/l	10.0		115	65-135			
Benzene	11.0	0.50	"	10.0		110	75-120			
tert-Butyl alcohol	222	20	"	200		111	60-135			
Di-isopropyl ether	11.6	0.50	"	10.0		116	70-130			
Ethyl tert-butyl ether	11.5	0.50	"	10.0		115	65-130			
Ethylbenzene	11.5	0.50	"	10.0		115	75-120			
Methyl tert-butyl ether	11.6	0.50	"	10.0		116	50-140			
Toluene	11.2	0.50	"	10.0		112	75-120			
Xylenes (total)	34.6	0.50	"	30.0		115	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.75		"	2.50		110	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.77		"	2.50		111	60-125			
<i>Surrogate: Toluene-d8</i>	2.47		"	2.50		99	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.50		"	2.50		100	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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
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Batch 7D21010 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7D21010-MS1)	Source: MQD0638-02			Prepared: 04/21/07		Analyzed: 04/22/07			
tert-Amyl methyl ether	12.0	0.50	ug/l	10.0	ND	120	65-135		
Benzene	11.4	0.50	"	10.0	ND	114	75-120		
tert-Butyl alcohol	227	20	"	200	ND	114	60-135		
Di-isopropyl ether	12.1	0.50	"	10.0	ND	121	70-130		
Ethyl tert-butyl ether	11.8	0.50	"	10.0	ND	118	65-130		
Ethylbenzene	11.3	0.50	"	10.0	ND	113	75-120		
Methyl tert-butyl ether	16.6	0.50	"	10.0	4.3	123	50-140		
Toluene	11.3	0.50	"	10.0	ND	113	75-120		
Xylenes (total)	34.2	0.50	"	30.0	ND	114	75-120		
<i>Surrogate: Dibromofluoromethane</i>	2.66		"	2.50		106	75-120		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.82		"	2.50		113	60-125		
<i>Surrogate: Toluene-d8</i>	2.46		"	2.50		98	80-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	2.40		"	2.50		96	60-135		
Matrix Spike Dup (7D21010-MSD1)	Source: MQD0638-02			Prepared: 04/21/07		Analyzed: 04/22/07			
tert-Amyl methyl ether	12.4	0.50	ug/l	10.0	ND	124	65-135	3	25
Benzene	11.5	0.50	"	10.0	ND	115	75-120	0.9	20
tert-Butyl alcohol	237	20	"	200	ND	118	60-135	4	25
Di-isopropyl ether	12.5	0.50	"	10.0	ND	125	70-130	3	25
Ethyl tert-butyl ether	12.2	0.50	"	10.0	ND	122	65-130	3	25
Ethylbenzene	11.7	0.50	"	10.0	ND	117	75-120	3	20
Methyl tert-butyl ether	17.0	0.50	"	10.0	4.3	127	50-140	2	25
Toluene	11.5	0.50	"	10.0	ND	115	75-120	2	25
Xylenes (total)	35.4	0.50	"	30.0	ND	118	75-120	3	20
<i>Surrogate: Dibromofluoromethane</i>	2.61		"	2.50		104	75-120		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.67		"	2.50		107	60-125		
<i>Surrogate: Toluene-d8</i>	2.49		"	2.50		100	80-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	2.49		"	2.50		100	60-135		

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7D18007 - General Preparation / EPA 160.2

Blank (7D18007-BLK1)

Prepared: 04/17/07 Analyzed: 04/18/07

Total Suspended Solids ND 10 mg/l

Duplicate (7D18007-DUP1)

Source: MQD0638-04

Prepared: 04/17/07 Analyzed: 04/18/07

Total Suspended Solids ND 10 mg/l ND 20

Batch 7D18032 - General Preparation / EPA 410.4

Blank (7D18032-BLK1)

Prepared & Analyzed: 04/17/07

Chemical Oxygen Demand ND 30 mg/l

Laboratory Control Sample (7D18032-BS1)

Prepared & Analyzed: 04/17/07

Chemical Oxygen Demand 102 30 mg/l 100 102 80-130

Matrix Spike (7D18032-MS1)

Source: MQD0599-01

Prepared & Analyzed: 04/17/07

Chemical Oxygen Demand 124 30 mg/l 100 42 82 80-130

Matrix Spike Dup (7D18032-MSD1)

Source: MQD0599-01

Prepared & Analyzed: 04/17/07

Chemical Oxygen Demand 132 30 mg/l 100 42 90 80-130 6 20

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Tuesday, April 17, 2007 10:32 AM
To: Lisa Race
Subject: RE: Problem COC for ARCO#0608 - MQD0638
Attachments: Revised COC 608.pdf

RE REVISED

Hi Lisa,

Please find the revised COC attached. I will make sure all templates are changed to reflect the correct number.

Thank you!

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

-----Original Message-----

From: Lisa Race [mailto:lrace@testamericainc.com]
Sent: Tuesday, April 17, 2007 7:52 AM
To: Allan Dudding; knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Sonia Nandi
Subject: Problem COC for ARCO#0608 - MQD0638

Please correct the global ID and send a revised COC. Please update your template as this is a continuous problem for this site.

NOTIFICATION

On Monday, March 12, 2007 the USEPA issued Guidelines for Establishing Test Procedures for the Analysis of Pollutants under the Clean Water Act; National Primary Drinking Water Regulations; Analysis and Sampling Procedures; **Final Rule**.

Summary:

This rule makes significant changes in test procedures for the analysis and sampling under both the Clean Water Act (CWA, 40 CFR part 136) and Safe Drinking Water Act (SDWA, 40 CFR part 141). A large number of methods of analysis have been deleted for use in regulatory compliance testing and have been replaced by alternate more up-to-date versions. In addition, a number of new test methods have been added and procedures for the preservation of samples and holding times for several analytes have been changed.

The provisions under this notice become **effective April 11, 2007**.

Impact to our clients:

On April 11, 2007, TestAmerica-STL laboratories will no longer be reporting data using the

4/17/2007

analyses removed from the CFR unless you hold a current NPDES permit or other regulatory mandate with a 'removed' method specified. Please notify your project manager if this is the case to ensure that the correct method is used for your project.

Feel free to contact me with any questions.

Lisa Race

Senior Project Manager, Morgan Hill, CA

TestAmerica Analytical Testing Corporation

Tel.: 408-776-9600

Direct.: 408-782-8156

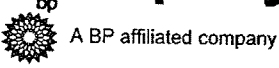
Fax: 408-782-6308

e-mail: lrace@testamericainc.com

NOTE NEW E-MAIL ADDRESS

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

Atlantic Richfield Company



Chain of Custody Record

AN

RUSH

Pa 1 of 1

Project Name: ARCO Facility No. 608
 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: <u>0730</u>	Temp: <u>50</u>
Off-site Time: <u>0845</u>	Temp:
Sky Conditions: <u>clear</u>	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd., San Lorenzo, CA</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
<u>Morgan Hill, CA 95937</u>	Site Lat/Long:	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T600100085</u>	Consultant/Contractor Project No.: <u>E608-03</u>
Tele/Fax: <u>408-782-8156/ 408-782-6308</u>	Enfos Project No.: <u>G0C24-0017</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or OOC (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>03-O&M</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shayes@stratusinc.net</u>
Tele/Fax: <u>925-275-3506/925-275-3815</u>	Cost Element: <u>Subcontractor Cost</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Turnaround Time		Sample Point Lat/Long and Comments			
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	5-Oxygenates	TSS	COD	24-hours	Standard				
1	00608WINF	0810	4/16/07		x		01	6							x	x	x						5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA. The 24-hour TAT rush on 00608EFF is only for GRO, BTEX, and 5-Oxys. TSS and COD are to be analyzed on a STD. TAT.	
2	00608WGAC1	0805)		x		02	6																
3	00608WGAC2	0800			x		03	6																
4	00608WEFF	0815			x		04	10							x	x	x	x	x	x				
5																								
6	FA																							
7	TB60841607	0830	4/16/07		x		05	2															Hold	
8																								
9																								
10																								

Sampler's Name: <u>[Signature]</u>	Relinquished By / Affiliation: <u>[Signature] Stratus</u>	Date: <u>4/16/07</u>	Time: <u>1110</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>4-16-07</u>	Time: <u>11:10</u>
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>4/16/07</u>						
Shipment Method:						
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 608
 REC. BY (PRINT) A.M.
 WORKORDER: _____

DATE REC'D AT LAB: 4-16-07
 TIME REC'D AT LAB: 11:10
 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 / <u>Absent</u> Intact / Broken*		00608 WINF	6 VOA Hct	HCl	-	L	4-16-07	
2. Chain-of-Custody	<u>Present</u> / Absent*		00608 W6GAC1	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List:	Present / <u>Absent</u>		00608 W6GAC2	↓	↓	↓	↓	↓	
4. Airbill:	Airbill / Sticker Present / <u>Absent</u>		↓	3 Amber VOA 500mL Poly	H ₂ SO ₄	-	↓	↓	
5. Airbill #:	_____		TR60841607	2 VOA	HCl	↓	↓	↓	
6. Sample Labels:	<u>Present</u> / Absent								
7. Sample IDs:	<u>Listed</u> / Not Listed on Chain-of-Custody								
8. Sample Condition:	<u>Intact</u> / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	<u>Yes</u> / No*								
10. Sample received within hold time?	<u>Yes</u> / No*								
11. Adequate sample volume received?	<u>Yes</u> / No*								
12. Proper preservatives used?	<u>Yes</u> / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	<u>Yes</u> / No*								
14. Read Temp: <u>4.0°C</u> Corrected Temp: <u>4.0°C</u> Is corrected temp 4 +/-2°C? <u>Yes</u> / No**									

(Acceptance range for samples requiring thermal pres.)

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

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



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

May 9, 2007
Project No. E608-3

Mr. Jeff Carson
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Subject: Monthly Discharge Report – April 2007
Discharge Permit No. SPD-037B
ARCO Service Station No. 608
17601 Hesperian Boulevard
San Lorenzo, California 94580

Dear Mr. Carson:

Stratus Environmental, Inc. (Stratus) has prepared this monthly report of waste discharge on behalf of Atlantic Richfield Company (a BP Affiliated Company), for the groundwater extraction and treatment system (GWETS) operated at ARCO Service Station No. 608, 17601 Hesperian Boulevard, San Lorenzo, California (Figures 1 and 2). This report presents a summary of the GWET system's operational and performance data for reporting period of March 30, 2007 through April 16, 2007. The GWETS operational parameters for April 2007 are summarized below:

<i>Treatment System Status:</i>	Continuous operation
<i>Reporting Period:</i>	March 30, 2007 to April 16, 2007
<i>Volume Discharged This Period:</i>	6,543 gallons
<i>Average Flow Rate This Period:</i>	0.75 gallons per minute (gpm)
<i>Effluent pH Reading:</i>	7.8 on 04/16/07
<i>Analytical Report:</i>	See Appendix B

Discussion:

During April 2007, Stratus conducted three site visits (Appendix A) to verify system operation, conduct maintenance as warranted, and to collect influent, mid-fluent (GAC1 and GAC2), and effluent water sample. In accordance with OLSD permit requirements, Stratus collected influent,

mid-fluent (GAC1 and GAC2, Figure 3), and effluent water samples on April 16, 2007, and forwarded them to TestAmerica Analytical Testing Corporation, a state-certified laboratory (ELAP #1210), for chemical analysis. The water samples were analyzed for gasoline range organics (GRO) by DHS LUFT Method, for benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary butyl alcohol (TBA) by United States Environmental Protection Agency (USEPA) Method 8260B. The effluent water sample was additionally analyzed for total suspended solids (TSS) by USEPA Method 160.2 and for chemical oxygen demand (COD) by EPA Method 1664A. Copies of analytical reports with chain-of-custody documentation are included in Appendix B.

Petroleum hydrocarbons, TSS, or COD were not reported in the effluent water sample collected on April 16, 2007. GRO and benzene were below laboratory reporting limits in the influent, mid-fluent (GAC1 and GAC2), and effluent water samples collected on April 16, 2007. MTBE was reported in the influent water sample collected on April 16, 2007, at a concentration of 6.5 µg/L. MTBE was also reported in the GAC1 and GAC2 water samples collected on April 16, 2007, at concentrations of 4.3 µg/L, and 6.3 µg/L, respectively.

The effluent flow totalizer on the GWETS was found non-functioning during a site visit conducted on April 2, 2007. The GWETS was shutdown on April 2, 2007 and was re-started on April 10, 2007 after replacing the flow totalizer.

Between March 30, 2007 and April 16, 2007, approximately 6,543 gallons of groundwater were extracted, treated, and discharged to the sanitary sewer. Based on the totalizer and hour meter readings for the period of March 30, 2007 to April 16, 2007, the groundwater extraction and treatment rate was estimated to be approximately 0.75 gpm.

CERTIFICATION

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

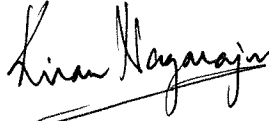
Mr. Jeff Carson, OLSD
Monthly Discharge Report – April 2007
ARCO Service Station No. 608, San Lorenzo

May 9, 2007
Project No. E608-03

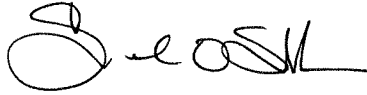
If you have any questions regarding this report, please contact Jay Johnson at (530) 676-6000.

Sincerely,

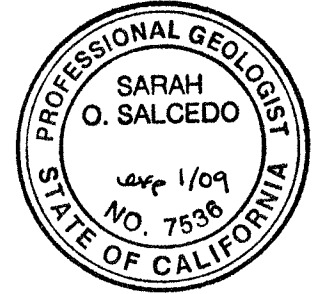
STRATUS ENVIRONMENTAL, INC.



Kiran Nagaraju
Staff Engineer



FOR Jay R. Johnson, P.G.
Project Manager



cc: Mr. Paul Supple, Atlantic Richfield Company
Mr. Chuck Headlee, Regional Water Quality Control Board
Mr. Rob Miller, Broadbent & Associates, Inc.

Attachment: Table 1 Groundwater Extraction Performance Data
Table 2 Treatment System Analytical Data
Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Process Flow Diagram
Appendix A Field Data Sheets
Appendix B Certified Analytical Reports and Chain-of-Custody Documentation

Table 1
Groundwater Extraction Performance Data
ARCO Service Station No. 608
17601 Hesperian Boulevard, San Lorenzo, CA

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g			Benzene			MTBE			
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
09/25/91		0	---	0	0	0.0	ND	---	0.00	---	0.000	0.00	---	---	---
09/26/91		---	---	1,144	1,144	---	38	0.00	0.00	4.8	0.000	0.00	---	---	---
10/22/91		26	95.9	12,844	11,700	7.6	ND	---	0.00	ND	0.000	0.00	---	---	---
11/22/91		77	93.1	52,532	39,688	13.0	ND	---	0.00	0.5	0.000	0.00	---	---	---
12/19/91		322	62.1	122,540	70,008	4.8	ND	---	0.00	ND	0.000	0.00	---	---	---
01/16/92		994	0.0	283,289	160,749	4.0	ND	---	0.00	ND	0.000	0.00	---	---	---
02/19/92		1,809	0.2	485,200	201,911	4.1	370	0.31	0.31	14.0	0.012	0.01	---	---	---
03/17/92		2,462	0.0	662,847	177,647	4.5	160	0.39	0.70	18.0	0.024	0.04	---	---	---
04/15/92		3,150	1.1	851,100	188,253	4.6	200	0.28	0.99	11.0	0.023	0.06	---	---	---
05/14/92		3,849	0.0	1,030,086	178,986	4.3	45	0.18	1.17	1.4	0.009	0.07	---	---	---
06/19/92		4,712	0.1	1,229,960	199,874	3.9	ND	---	1.17	ND	0.001	0.07	---	---	---
07/14/92		5,001	51.8	1,291,201	61,241	3.5	97	0.02	1.19	25.0	0.006	0.08	---	---	---
08/18/92		---	---	1,410,018	118,817	---	ND	---	1.19	ND	0.012	0.09	---	---	---
09/15/92		6,298	---	1,535,640	125,622	3.1	ND	---	1.19	ND	0.000	0.09	---	---	---
10/16/92		7,012	4.1	1,651,623	115,983	2.7	ND	---	1.19	ND	0.000	0.09	---	---	---
11/18/92		7,809	0.0	1,768,076	116,453	2.4	ND	---	1.19	ND	0.000	0.09	---	---	---
12/17/92		8,502	0.4	1,864,300	96,224	2.3	96	0.04	1.23	7.7	0.003	0.09	---	---	---
01/18/93		8,798	61.5	1,915,165	50,865	2.9	100	0.04	1.27	13.0	0.004	0.10	---	---	---
02/22/93		9,607	0.0	2,096,930	181,765	3.7	480	0.44	1.71	36.0	0.037	0.13	---	---	---
03/15/93		10,113	0.0	2,205,833	108,903	3.6	310	0.36	2.07	29.0	0.030	0.16	---	---	---
04/09/93		10,517	32.8	2,298,770	92,937	3.8	140	0.17	2.25	11.0	0.015	0.18	---	---	---
05/13/93		11,211	14.9	2,449,160	150,390	3.6	530	0.42	2.67	27.0	0.024	0.20	---	---	---
06/04/93		11,734	1.0	2,543,500	94,340	3.0	170	0.28	2.94	5.2	0.013	0.21	---	---	---
07/20/93		12,573	24.0	2,689,697	146,197	2.9	200	0.23	3.17	12.0	0.010	0.22	---	---	---
08/16/93		13,219	0.3	2,791,366	101,669	2.6	150	0.15	3.32	4.9	0.007	0.23	---	---	---
09/13/93		13,888	0.4	2,884,736	93,370	2.3	80	0.09	3.41	2.2	0.003	0.23	---	---	---
10/08/93		14,485	0.5	2,951,737	67,001	1.9	ND	0.02	3.43	ND	0.001	0.24	---	---	---
11/19/93		15,494	0.0	3,036,032	84,295	1.4	ND	0.00	3.43	ND	0.000	0.24	---	---	---
12/21/93		16,260	0.3	3,113,565	77,533	1.7	73	0.02	3.45	3.5	0.001	0.24	---	---	---
01/18/94		16,939	0.0	3,190,900	77,335	1.9	60	0.04	3.49	3.1	0.002	0.24	---	---	---
02/17/94		17,658	0.0	3,273,720	82,820	1.9	ND	0.02	3.51	2.5	0.002	0.24	---	---	---
03/15/94		18,235	7.5	3,344,249	70,529	2.0	ND	0.00	3.51	ND	0.001	0.24	---	---	---
04/21/94		18,849	30.8	3,418,537	74,288	2.0	110	0.03	3.55	7.8	0.002	0.24	---	---	---
05/13/94		19,351	5.1	3,478,910	60,373	2.0	230	0.09	3.63	8.3	0.004	0.25	---	---	---
06/14/94	a	19,680	57.1	3,518,608	39,698	2.0	230	0.08	3.71	12.0	0.003	0.25	---	---	---
07/14/94	b	20,145	35.4	3,574,408	55,800	2.0	270	0.12	3.83	6.9	0.004	0.26	---	---	---
08/17/94	c	20,920	5.0	51,260	91,580	2.0	ND	0.10	3.93	1.8	0.003	0.26	---	---	---
09/12/94		21,549	0.0	120,910	69,650	1.8	ND	0.00	3.93	ND	0.001	0.26	---	---	---
10/18/94		22,408	0.5	211,880	90,970	1.8	ND	0.00	3.93	ND	0.000	0.26	---	---	---
11/15/94		23,080	0.0	280,840	68,960	1.7	ND	0.00	3.93	0.7	0.000	0.26	---	---	---
12/05/94		23,489	14.8	325,830	44,990	1.8	470	0.09	4.02	32.0	0.006	0.27	---	---	---
01/04/95		24,205	0.6	408,740	82,910	1.9	ND	0.16	4.18	1.1	0.011	0.28	---	---	---
02/06/95		24,926	9.0	499,690	90,950	2.1	100	0.04	4.22	2.4	0.001	0.28	---	---	---
03/02/95		25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28	---	---	---

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Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
04/04/95		26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28	---	---	---
05/02/95		26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29	---	---	---
06/05/95		27,721	2.4	848,810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29	---	---	---
07/06/95		28,464	0.1	921,260	72,450	1.6	270	0.08	4.74	2.4	0.001	0.29	---	---	---
08/21/95	d	29,568	0.0	993,320	72,060	1.1	230	0.15	4.89	1.8	0.001	0.29	---	---	---
06/05/00	e	29,592	---	976,600	---	---	700	---	4.89	7.2	---	0.29	361.0	---	0.000
06/05/00		29,593	0.0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361.0	0.01	0.010
07/08/00		30,352	4.2	1,131,560	151,760	3.3	133	0.53	5.43	5.1	0.008	0.30	272.0	0.40	0.410
08/07/00		30,955	16.3	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126.0	0.16	0.570
09/08/00		31,528	25.4	1,306,300	78,060	2.3	261	0.13	5.68	2.7	0.002	0.30	120.0	0.08	0.651
10/10/00		32,230	8.6	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.694
11/07/00		32,880	3.3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.727
12/05/00		33,516	5.4	1,548,840	75,910	2.0	167	0.09	5.99	0.8	0.000	0.31	104.0	0.06	0.791
01/04/01		33,924	43.3	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.828
02/06/01		34,556	20.2	1,672,330	76,990	2.0	203	0.07	6.08	0.6	0.000	0.31	80.5	0.05	0.882
03/08/01		34,776	69.5	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.899
03/24/01	†	35,088	18.7	1,741,170	42,310	2.3	---	0.07	6.20	---	0.000	0.31	---	0.03	0.928
04/18/01		35,335	59.0	1,770,860	29,690	2.0	75	0.04	6.24	ND	0.000	0.31	97.5	0.02	0.950
05/04/01		35,716	0.0	1,812,690	41,830	1.8	63	0.02	6.26	ND	0.000	0.31	93.2	0.03	0.983
06/09/01		36,345	27.1	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	71.0	0.05	1.029
07/05/01	f	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430.0	0.04	1.066
08/14/01	f	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0.000	0.31	870.0	0.17	1.235
09/05/01		37,219	24.8	1,977,050	48,540	2.0	<100	0.06	6.42	<1.0	0.000	0.31	340.0	0.24	1.480
10/05/01		37,932	0.0	2,040,950	63,900	1.5	ND	0.00	6.42	ND	0.000	0.31	150.0	0.13	1.611
11/13/01		38,820	0.0	2,119,670	78,720	1.5	ND	0.00	6.42	ND	0.000	0.31	92.0	0.08	1.690
12/11/01		39,496	0.0	2,186,530	66,860	1.6	65	0.02	6.44	ND	0.000	0.31	83.0	0.05	1.739
01/04/02		40,063	0.0	2,248,700	62,170	1.8	<50	0.02	6.46	ND	0.000	0.31	140.0	0.06	1.797
02/05/02		40,830	0.2	2,333,090	84,390	1.8	100	0.04	6.49	ND	0.000	0.31	190.0	0.12	1.913
03/05/02		40,968	79.4	2,353,460	20,370	2.5	150	0.02	6.51	<1.2	0.000	0.31	350.0	0.05	1.959
04/08/02		41,735	6.0	2,448,360	94,900	2.1	400	0.22	6.73	9.6	0.004	0.31	260.0	0.24	2.200
05/16/02		42,642	0.6	2,499,320	50,960	0.9	310	0.15	6.88	<1.0	0.002	0.31	330.0	0.13	2.325
05/31/02		42,832	47.2	2,503,380	4,060	0.4	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
08/19/02	g	44,925	---	2,520,289	16,909	0.1	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
10/03/02	g	44,956	---	2,520,582	293	0.2	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
10/07/02	g	44,956	---	2,522,394	1,812	---	160	0.00	6.89	<1.0	0.000	0.31	130.0	0.00	2.329
11/07/02	h	0	---	2,527,925	5,531	---	250	0.01	6.89	<1.0	0.000	0.31	210.0	0.01	2.337
12/05/02		479	28.7	2,528,113	188	0.0	220	0.00	6.89	<1.0	0.000	0.31	110.0	0.00	2.337
01/03/03		1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	<1.0	0.000	0.31	140.0	0.07	2.403
02/13/03		2,156	0.2	2,692,710	101,351	1.7	<250	0.07	7.07	<2.5	0.000	0.31	66.0	0.09	2.490

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						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
03/27/03		3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	<0.50	0.000	0.31	71.0	0.06	2.546
04/24/03		4,172	0.0	2,865,050	74,382	1.2	120	0.07	7.19	<0.50	0.000	0.31	56.0	0.04	2.585
05/30/03		4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	<5.0	0.000	0.31	<50	0.00	2.585
06/19/03		4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	<5.0	0.000	0.31	46.0	0.01	2.593
07/24/03		5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	<0.50	0.000	0.31	41.0	0.08	2.678
08/28/03		6,165	0.8	3,040,900	68,538	1.4	<50	0.01	7.39	<0.50	0.000	0.31	30.0	0.02	2.698
09/25/03		6,838	0.0	3,095,020	54,120	1.3	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.01	2.711
10/23/03		7,512	0.0	3,149,200	177,215	1.1	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.04	2.753
11/20/03		8,182	0.3	3,204,612	55,412	1.4	<50	0.00	7.39	<0.50	0.000	0.31	22.0	0.01	2.764
12/18/03		8,851	1.1	3,264,487	30,531	1.5	52	0.01	7.40	<0.50	0.000	0.31	27.0	0.00	2.770
01/08/04		9,356	1.0	3,312,485	47,998	1.6	--	0.00	7.40	--	0.000	0.31	--	0.00	2.770
01/22/04		9,690	0.7	3,344,994	32,509	1.6	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.774
02/19/04		10,357	1.6	3,410,457	32,947	1.7	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.00	2.781
03/18/04		11,030	0.0	3,480,800	70,343	1.7	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.02	2.796
04/07/04		11,509	0.2	3,524,179	43,379	1.5	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.01	2.806
04/22/04		11,869	0.0	3,552,144	27,965	1.3	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.811
05/19/04		12,522	0.0	3,607,015	54,871	1.4	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.819
06/16/04		13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	<0.50	0.000	0.31	20.0	0.01	2.829
07/22/04		14,050	1.4	3,736,245	71,651	1.4	<50	0.02	7.43	<0.50	0.000	0.31	15.0	0.01	2.839
08/26/04		14,890	0.0	3,803,030	66,785	1.3	<50	0.00	7.43	<0.50	0.000	0.31	23.0	0.01	2.850
09/16/04		15,394	0.0	3,832,211	29,181	1.0	<50	0.00	7.43	<0.50	0.000	0.31	18.0	0.00	2.855
10/21/04		16,235	0.0	3,891,299	59,088	1.2	<50	0.00	7.43	<0.50	0.000	0.31	17.0	0.01	2.863
11/18/04		16,908	0.0	3,942,990	51,691	1.3	<50	0.00	7.43	<0.50	0.000	0.31	14.0	0.01	2.870
12/16/04		17,579	0.2	3,994,185	51,195	1.3	<50	0.00	7.43	<0.50	0.000	0.31	15.0	0.01	2.876
01/19/05		18,396	0.0	4,063,710	69,525	1.4	84	0.02	7.46	<0.50	0.000	0.31	19	0.01	2.886
02/16/05	i	19,068	0.0	4,117,922	54,212	1.3	<50	0.02	7.48	<0.50	0.000	0.31	29	0.01	2.897
03/16/05	i	19,741	0.0	4,175,364	57,442	1.4	56	0.01	7.49	<0.50	0.000	0.31	21	0.01	2.909
04/20/05		20,578	0.3	4,244,807	69,443	1.4	<50	0.02	7.50	<0.50	0.000	0.31	19	0.01	2.921
05/18/05		21,057	28.8	4,279,950	35,143	1.2	82	0.01	7.52	<0.50	0.000	0.31	16	0.01	2.926
06/15/05		21,728	0.1	4,325,824	45,874	1.1	<50	0.02	7.53	<0.50	0.000	0.31	15	0.01	2.932
07/26/05		22,468	24.8	4,369,300	43,476	1.0	<50	0.00	7.53	<0.50	0.000	0.31	13	0.01	2.937
08/25/05		23,184	0.6	4,407,082	37,782	0.9	<50	0.00	7.53	--	0.000	0.31	9.8	0.004	2.940
09/20/05		23,812	0.0	4,436,511	29,429	0.8	<50	0.00	7.53	<0.50	0.000	0.31	8.2	0.002	2.942
10/18/05		24,483	0.2	4,465,577	29,066	0.7	<50	0.00	7.53	<0.50	0.000	0.31	9.2	0.002	2.945
11/16/05		25,178	0.1	4,495,190	29,613	0.7	<50	0.00	7.53	<0.50	0.000	0.31	15	0.003	2.948
12/13/05		25,825	0.2	4,523,250	28,060	0.7	<50	0.00	7.53	<0.50	0.000	0.31	11	0.003	2.951

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						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
01/12/06		26,546	0.0	4,562,040	38,790	0.9	<50	0.00	7.53	<0.50	0.000	0.31	16	0.004	2.955
02/08/06		27,195	0.0	4,595,860	33,820	0.9	60	0.01	7.54	<0.50	0.000	0.31	15	0.004	2.959
03/06/06		27,816	0.5	4,621,920	26,060	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.003	2.963
04/03/06		28,489	0.0	4,651,630	29,710	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.004	2.967
05/02/06		NA	NA	4,686,187	34,557	--	<50	0.00	7.54	<0.50	0.000	0.31	--	0.000	2.967
06/13/06		30,189	0.54	4,694,809	8,622	0.1	<50	0.00	7.54	<0.50	0.000	0.31	15	0.001	2.967
06/27/06		30,524	0.3	4,697,476	2,667	---	---	---	---	---	---	---	---	---	---
07/17/06		31,006	0.0	4,706,984	9,508	0.3	<50	0.00	7.54	<0.50	0.000	0.31	5.7	0.000	2.968
08/09/06		31,556	0.4	4,719,605	12,621	0.4	<50	0.00	7.54	<0.50	0.000	0.31	4.6	0.001	2.968
09/12/06		32,371	0.1	4,731,489	11,884	0.2	<50	0.00	7.54	<0.50	0.000	0.31	2.9	0.000	2.968
09/27/06		32,731	0.0	4,732,102	613	0.03	---	---	---	---	---	---	---	---	---
10/09/06		33,014	1.7	4,732,140	38	0.00	<50	0.00	7.54	<0.50	0.000	0.31	3.3	0.000	2.968
10/26/06		33,426	0.0	4,732,179	39	0.00	---	---	---	---	---	---	---	---	---
11/10/06		33,784	3.3	4,732,180	1	0.00	<50	0.00	7.54	<0.50	0.000	0.31	6.6	0.000	2.968
11/29/06		34,237	0.0	4,732,186	6	0.00	---	---	---	---	---	---	---	---	---
12/05/06	j	34,379	5.3	4,732,186	0	0.00	---	---	---	---	---	---	---	---	---
01/02/07	k	34,380.0	99.9	4,732,190	4	0.11	<50	0.00	7.54	<0.50	0.000	0.31	1.4	0.000	2.968
01/12/07	l	34,380.0	100.0	4,732,200	10	---	---	---	---	---	---	---	---	---	---
01/24/07	m	34,669.6	0.0	4,732,220	20	0.00	---	---	---	---	---	---	---	---	---
01/29/07		NM	---	4,737,810	5,590	---	---	---	---	---	---	---	---	---	---
02/05/07		34,960	0.0	4,742,700	4,890	0.60	70	0.01	7.55	<0.50	0.000	0.31	7.1	0.000	2.968
02/20/07		35,316	1.0	4,751,030	8,330	0.39	---	---	---	---	---	---	---	---	---
03/05/07		35,631	0.7	4,756,760	5,730	0.30	87	0.01	7.56	<0.50	0.000	0.31	5.8	0.001	2.969
03/12/07	n	35,795	2.0	4,759,580	2,820	0.29	---	---	---	---	---	---	---	---	---
03/19/07		35,968	3.0	4,762,270	2,690	0.26	---	---	---	---	---	---	---	---	---
03/28/07	o	36,178	2.8	4,762,980	710	0.06	---	---	---	---	---	---	---	---	---
03/30/07	p	36,178	100.0	4,762,980	0	---	---	---	---	---	---	---	---	---	---
04/02/07	q	NM	---	4,762,980	0	---	---	---	---	---	---	---	---	---	---
04/10/07	r	36,178	0.0	4,762,985	5	---	---	---	---	---	---	---	---	---	---
04/16/07	s	36,323.8	1.3	6,538.48	6,538.48	0.75	<50	0.00	7.56	<0.50	0.000	0.31	6.5	0.001	2.969

REPORTING PERIOD:	03/30/07 to 04/16/07		
CUMULATIVE GALLONS EXTRACTED:	8,765,673		
PERIOD GALLONS EXTRACTED:	6,543		
TOTAL POUNDS REMOVED:		7.56	
TOTAL GALLONS REMOVED:		1.24	
AVERAGE PERIOD (4/2/07 to 4/16/07) FLOW RATE (gpm):	0.75		
PERIOD (4/2/07 to 4/16/07) PERCENT OPERATIONAL:	100.0%		
PERIOD POUNDS REMOVED:		0.005	
PERIOD GALLONS REMOVED:		0.001	
		0.31	2.969
		0.04	0.48
		NA	0.001
		NA	0.0001

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon)										
09/26/91	38	4.8	0.6	1.6	1.1	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	0.52	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	370	14	0.34	14	2.4	---	---	---	---	---
03/17/92	160	18	0.32	0.56	1.6	---	---	---	---	---
04/15/92	200	11	<0.30	7.3	0.77	---	---	---	---	---
05/14/92	45	1.4	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	97	25	<0.50	8.5	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	96	7.7	13	0.56	9.7	---	---	---	---	---
01/18/93	100	13	6.6	1.1	11	---	---	---	---	---
02/22/93	480	36	29	4.9	96	---	---	---	---	---
03/15/93	310	29	14	4.9	55	---	---	---	---	---
04/09/93	140	11	2.8	2.6	17	---	---	---	---	---
05/13/93	530	27	12	18	96	---	---	---	---	---
06/04/93	170	5.2	1.6	2.5	23	---	---	---	---	---
07/20/93	200	12	0.91	8.2	29	---	---	---	---	---
08/16/93	150	4.9	0.63	2.9	15	---	---	---	---	---
09/13/93	80	2.2	<0.50	<0.50	4.8	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	73	3.5	<0.50	1.9	8.4	---	---	---	---	---
01/18/94	60	3.1	<0.50	3.2	4.3	---	---	---	---	---
02/17/94	<50	2.5	<0.50	2.1	3.1	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	110	7.8	<1.0	9.6	<1.0	---	---	---	---	---
05/13/94	230	8.3	<0.50	14	6	---	---	---	---	---
06/14/94	230	12	<0.50	16	1.5	---	---	---	---	---
07/14/94	270	6.9	<0.50	15	1.9	---	---	---	---	---
08/18/94	<50	1.8	<0.50	1.5	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	0.66	<0.50	2.6	<0.50	---	---	---	---	---
12/05/94	470	32	0.59	29	6.2	---	---	---	---	---
01/04/95	<50	1.1	<0.50	1.4	<0.50	---	---	---	---	---
02/06/95	100	2.4	1.1	1.2	2.8	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

Table 2
Treatment System Analytical Data

ARCO Service Station No. 608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
04/04/95	290	6.6	<0.50	10	1.7	---	---	---	---	---
05/02/95	240	7.1	<0.50	3.2	1.6	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	270	2.4	<0.50	7.6	1	---	---	---	---	---
08/21/95	230	1.8	<0.50	1.6	0.92	---	---	---	---	---
06/05/00	700	7.24	<1.0	2.11	<1.0	361	---	---	---	---
07/08/00	133	5.09	0.598	<0.50	<0.50	272	---	---	---	---
08/10/00	144	2.8	<0.50	1.04	<0.50	126	---	---	---	---
09/08/00	261	2.74	0.826	0.626	<0.50	120	---	---	---	---
10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5	---	---	---	---
11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6	---	---	---	---
12/05/00	167	0.775	<0.50	<0.50	<0.50	104	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8	---	---	---	---
02/06/01	203	0.572	<0.50	0.513	<0.50	80.5	---	---	---	---
03/08/01	219	<0.50	6.16	1.21	0.682	81	---	---	---	---
04/18/01	74.5	<0.50	<0.50	<0.50	<0.50	97.5	---	---	---	---
05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2	---	---	---	---
06/09/01	64	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
07/05/01	100	<0.50	2.5	<0.50	<0.50	430	---	---	---	---
08/14/01	290	2.2	3.5	<1.0	<1.0	870	---	---	---	---
09/05/01	<100	<1.0	<1.0	<1.0	<1.0	340	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	150	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	92	---	---	---	---
12/11/01	65	<0.50	0.58	<0.50	<0.50	83	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	140	---	---	---	---
02/05/02	100	<0.50	<0.50	<0.50	<0.50	190	---	---	---	---
03/05/02	150	<1.2	<1.2	<1.2	<1.2	350	---	---	---	---
04/08/02	400	9.6	<1.0	1.4	<1.0	260	---	---	---	---
05/16/02	310	<1.0	<1.0	<1.0	<1.0	330	---	---	---	---
10/07/02	160	4.1	<1.0	<1.0	<1.0	130	---	---	---	---
11/07/02	250	<0.50	10	0.7	0.77	210	---	---	---	---
12/05/02	220	<1.0	<1.0	<1.0	<1.0	110	---	---	---	---
01/03/03	170	<1.0	<1.0	<1.0	<1.0	140	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	66	---	---	---	---
3/27/03 ¹	110	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
4/24/03 ¹	120	<0.50	<0.50	<0.50	<0.50	56	---	---	---	---
5/30/03 ¹	20	<0.50	<0.50	<0.50	<0.50	<50	---	---	---	---
06/19/03	160	<0.50	<0.50	<0.50	<0.50	46	---	---	---	---
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47) ²	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40) ²	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28) ²	---	---	---	---

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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22	---	---	---	---
12/18/03	52	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	29	---	---	---	---
03/16/05	56 ³	<0.50	<0.50	<0.50	<1.0	21	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/18/05	82 ³	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	9.8	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	9.2	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	11	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
02/08/06	60	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
04/03/06	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	15	---	---	---	---
07/17/06	<50	<0.50	0.58	<0.50	<0.50	5.7	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	2.9	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	6.6	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	1.4	NS	<10	NM	NM
02/05/07	70	<0.50	<0.50	<0.50	<0.50	7.1	NS	NS	NM	NM
03/05/07	87	<0.50	<0.50	<0.50	<0.50	5.8	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	6.5	NS	NS	NM	NM

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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	---	---	---	---	---	---	---	---	---	---
08/18/92	---	---	---	---	---	---	---	---	---	---
09/15/92	---	---	---	---	---	---	---	---	---	---
10/16/92	---	---	---	---	---	---	---	---	---	---
11/18/92	---	---	---	---	---	---	---	---	---	---
12/17/92	---	---	---	---	---	---	---	---	---	---
01/18/93	---	---	---	---	---	---	---	---	---	---
02/22/93	---	---	---	---	---	---	---	---	---	---
03/15/93	---	---	---	---	---	---	---	---	---	---
04/09/93	---	---	---	---	---	---	---	---	---	---
05/13/93	---	---	---	---	---	---	---	---	---	---
06/04/93	---	---	---	---	---	---	---	---	---	---
07/14/94	ND	ND	ND	ND	ND	---	---	---	---	---
08/17/94	---	---	---	---	---	---	---	---	---	---
09/12/94	---	---	---	---	---	---	---	---	---	---
10/18/94	---	---	---	---	---	---	---	---	---	---
11/05/94	---	---	---	---	---	---	---	---	---	---
12/05/94	---	---	---	---	---	---	---	---	---	---
01/04/95	---	---	---	---	---	---	---	---	---	---
02/06/95	---	---	---	---	---	---	---	---	---	---
03/02/95	---	---	---	---	---	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons) (continued)										
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	130	---	---	---	---
3/27/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	120	---	---	---	---
4/24/03 ¹	280	<2.5	<2.5	<2.5	<2.5	110	---	---	---	---
5/30/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	140	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (1.3) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons) (continued)										
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	2.4	---	---	---	---
05/18/05	58 ³	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/08/06	55	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
04/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	4.3	NS	NS	NM	NM

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Treatment System Analytical Data

ARCO Service Station No. 608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons)										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	---	---	---	---	---	---	---	---	---	---
09/08/00	---	---	---	---	---	---	---	---	---	---
10/10/00	---	---	---	---	---	---	---	---	---	---
11/07/00	---	---	---	---	---	---	---	---	---	---
12/05/00	---	---	---	---	---	---	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1	---	---	---	---
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.94	---	---	---	---
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---

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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons) continued										
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/18/04	86	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
02/08/06	66	<0.50	<0.50	<0.50	<1.0	3.3	---	---	---	---
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	3.0	---	---	---	---
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	2.6	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	4.3	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.4	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	5.2	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	2.1	NS	NS	NM	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	4.5	NS	NS	NM	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	4.2	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	6.3	NS	NS	NM	NM

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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/09/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/04/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/20/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/16/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
05/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/21/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	7.19	---
06/12/00	<50	---	---	---	---	---	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.25	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.24	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	55	<10	6.89	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)	<20	<10	6.82	3.45
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	0.94

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.61	2.35
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.59	36.6 ⁴
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.3	2.93
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	7.2	15.0 ⁴
02/08/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	6.82	3.02
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	<0.50	<30	<10	6.87	1.12
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	0.80	<30	<10	6.78	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	<30	<10	7.58	4.45
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.66	4.28
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.24	3.47
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.32	7.26
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.39	5.24
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.54	5.25
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.03	--
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.86	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.79	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.31	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.8	NM

Table 2
Treatment System Analytical Data
ARCO Service Station #608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

SYMBOLS AND ABBREVIATIONS:

---	=Not applicable/available/sampled
<	=Not detected at or above the laboratory reporting limit.
COD	=Chemical oxygen demand
DO	=Dissolved Oxygen, field measurement
GRO	=Gasoline Range Organics
µg/L	=Micrograms per liter
mg/L	=Milligrams per liter
MTBE	=Methyl tert-Butyl Ether
ND	=Not detected at or above the laboratory reporting limit
TPH-g	=Total purgeable petroleum hydrocarbons as gasoline
TSS	=Total suspended solids
NS	=Not sampled
NM	=Not measured

FOOTNOTES:

1 = Analyzed with EPA Method 8260

2 = MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).

3 = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

4 = Value appears to be anomalous.

5 = Possible high bias due to CCV falling outside acceptance criteria

NOTES:

GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

GRO analyzed by DHS/LUFT Method, and BTEX & MTBE analyzed by EPA Method 8260B beginning January 2, 2007.

The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.

APPENDIX A
FIELD DATA SHEETS

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

 ORIGINAL

Date: 4-20-07 Technician: CHILL
 Onsite Time: 1009 Weather Conditions: Clear
 Offsite Time: 1100 Ambient Temperature: 55
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: Operational Non-operational

Electric Meter Reading: _____
 Hour Meter Reading: _____

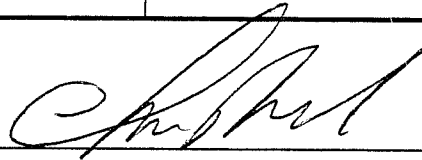
*System Running But
 No Totalizer more
 clear still no more shot
 system off
 but new
 Totalizer*

Flow Totalizer Reading Before Carbon Treatment: NA
 Flow Totalizer Reading After Carbon Treatment: 4762980
 No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig				

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°F	units	msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature:  Date: 4-20-07

4762980

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

ORIGINAL

Date: 4-10-07 Technician: CHILL
 Onsite Time: 0645 Weather Conditions: Clear
 Offsite Time: 0800 Ambient Temperature: 50
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational

System Status Upon Departure: Operational Non-operational

Extraction Well Pump: Operational Non-operational

Transfer Pump: NA Operational Non-operational

Electric Meter Reading: 51221

Hour Meter Reading: 36178

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4762985 old Totalizer

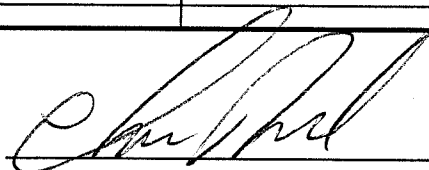
No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	4	3	4	4

1 GPM thru carbon to sewer

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature: 

Date: 4-10-07

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)



Date: 4/16/07 Technician: CHILL
 Onsite Time: 0730 Weather Conditions: Clear
 Offsite Time: 0845 Ambient Temperature: 50
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: NA Operational Non-operational
 Electric Meter Reading: 51237
 Hour Meter Reading: 36323.8

Flow Totalizer Reading Before Carbon Treatment: _____
 Flow Totalizer Reading After Carbon Treatment: 6538.48
 No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	5	3	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent	17.5	7.8	905

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF	<u>4/16/07 0810</u>		
00608WGAC1	<u>0805</u>		
00608WGAC2	<u>0800</u>		
00608WEFF	<u>0815</u>		

TS60841607 0830
 Signature: [Handwritten Signature] Date: 4/16/07

APPENDIX B

**CERTIFIED ANALYTICAL REPORTS
AND CHAIN-OF-CUSTODY DOCUMENTATION**

30 April, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQD0638

Enclosed are the results of analyses for samples received by the laboratory on 04/16/07 11:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQD0638-01	Water	04/16/07 08:10	04/16/07 11:10
00608WGAC1	MQD0638-02	Water	04/16/07 08:05	04/16/07 11:10
00608WGAC2	MQD0638-03	Water	04/16/07 08:00	04/16/07 11:10
00608WEFF	MQD0638-04	Water	04/16/07 08:15	04/16/07 11:10
TB60841607	MQD0638-05	Water	04/16/07 08:30	04/16/07 11:10

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

These samples were received with no custody seals.

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQD0638-01) Water Sampled: 04/16/07 08:10 Received: 04/16/07 11:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D21010	04/21/07	04/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		110 %	60-125		"	"	"	"	
00608WGAC1 (MQD0638-02) Water Sampled: 04/16/07 08:05 Received: 04/16/07 11:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D21010	04/21/07	04/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		112 %	60-125		"	"	"	"	
00608WGAC2 (MQD0638-03) Water Sampled: 04/16/07 08:00 Received: 04/16/07 11:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D21010	04/21/07	04/22/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		112 %	60-125		"	"	"	"	
00608WEFF (MQD0638-04) Water Sampled: 04/16/07 08:15 Received: 04/16/07 11:10									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7D16003	04/16/07	04/16/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		81 %	60-125		"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQD0638-01) Water Sampled: 04/16/07 08:10 Received: 04/16/07 11:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D21010	04/21/07	04/22/07	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	6.5	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %		60-135	"	"	"	"	
00608WGAC1 (MQD0638-02) Water Sampled: 04/16/07 08:05 Received: 04/16/07 11:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D21010	04/21/07	04/22/07	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	4.3	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86 %		60-135	"	"	"	"	

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Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WGAC2 (MQD0638-03) Water Sampled: 04/16/07 08:00 Received: 04/16/07 11:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D21010	04/21/07	04/22/07	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	6.3	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		60-135	"	"	"	"	
00608WEFF (MQD0638-04) Water Sampled: 04/16/07 08:15 Received: 04/16/07 11:10									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7D16003	04/16/07	04/16/07	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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		81 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99 %		60-135	"	"	"	"	

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
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Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WEFF (MQD0638-04) Water Sampled: 04/16/07 08:15 Received: 04/16/07 11:10									
Chemical Oxygen Demand	ND	30	mg/l	1	7D18032	04/17/07	04/17/07	EPA 410.4	
Total Suspended Solids	ND	10	"	"	7D18007	04/17/07	04/18/07	EPA 160.2	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQD0638 Reported: 04/30/07 14:21
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**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
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Batch 7D16003 - EPA 5030B P/T / LUFT GCMS

Blank (7D16003-BLK1)				Prepared & Analyzed: 04/16/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.07		"	2.50		83	60-125			
Laboratory Control Sample (7D16003-BS2)				Prepared & Analyzed: 04/16/07						
Gasoline Range Organics (C4-C12)	407	50	ug/l	500		81	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-125			
Laboratory Control Sample Dup (7D16003-BSD2)				Prepared & Analyzed: 04/16/07						
Gasoline Range Organics (C4-C12)	414	50	ug/l	500		83	65-120	2	20	
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-125			

Batch 7D21010 - EPA 5030B P/T / LUFT GCMS

Blank (7D21010-BLK1)				Prepared & Analyzed: 04/21/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.63		"	2.50		105	60-125			
Laboratory Control Sample (7D21010-BS2)				Prepared & Analyzed: 04/21/07						
Gasoline Range Organics (C4-C12)	438	50	ug/l	500		88	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.72		"	2.50		109	60-125			
Laboratory Control Sample Dup (7D21010-BSD2)				Prepared & Analyzed: 04/21/07						
Gasoline Range Organics (C4-C12)	420	50	ug/l	500		84	65-120	4	20	
Surrogate: 1,2-Dichloroethane-d4	2.65		"	2.50		106	60-125			

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MQD0638
Reported:
04/30/07 14:21

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
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Batch 7D16003 - EPA 5030B P/T / EPA 8260B

Blank (7D16003-BLK1)

Prepared & Analyzed: 04/16/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
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	"							
<i>Surrogate: Dibromofluoromethane</i>	2.26		"	2.50		90	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.07		"	2.50		83	60-125			
<i>Surrogate: Toluene-d8</i>	2.43		"	2.50		97	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.27		"	2.50		91	60-135			

Laboratory Control Sample (7D16003-BS1)

Prepared & Analyzed: 04/16/07

tert-Amyl methyl ether	8.26	0.50	ug/l	10.0		83	65-135			
Benzene	9.67	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	200	20	"	200		100	60-135			
Di-isopropyl ether	7.93	0.50	"	10.0		79	70-130			
Ethyl tert-butyl ether	7.91	0.50	"	10.0		79	65-130			
Ethylbenzene	10.6	0.50	"	10.0		106	75-120			
Methyl tert-butyl ether	8.23	0.50	"	10.0		82	50-140			
Toluene	9.98	0.50	"	10.0		100	75-120			
Xylenes (total)	32.8	0.50	"	30.0		109	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.23		"	2.50		89	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.20		"	2.50		88	60-125			
<i>Surrogate: Toluene-d8</i>	2.46		"	2.50		98	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.38		"	2.50		95	60-135			

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MQD0638
Reported:
04/30/07 14:21

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
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Batch 7D16003 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7D16003-MS1)		Source: MQD0298-05			Prepared & Analyzed: 04/16/07					
tert-Amyl methyl ether	11.8	0.50	ug/l	10.0	ND	118	65-135			
Benzene	11.2	0.50	"	10.0	ND	112	75-120			
tert-Butyl alcohol	225	20	"	200	ND	112	60-135			
Di-isopropyl ether	10.9	0.50	"	10.0	ND	109	70-130			
Ethyl tert-butyl ether	11.3	0.50	"	10.0	ND	113	65-130			
Ethylbenzene	11.1	0.50	"	10.0	ND	111	75-120			
Methyl tert-butyl ether	11.6	0.50	"	10.0	ND	116	50-140			
Toluene	11.3	0.50	"	10.0	ND	113	75-120			
Xylenes (total)	35.1	0.50	"	30.0	ND	117	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.45		"	2.50		98	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.52		"	2.50		101	60-125			
<i>Surrogate: Toluene-d8</i>	2.51		"	2.50		100	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.55		"	2.50		102	60-135			

Matrix Spike Dup (7D16003-MSD1)		Source: MQD0298-05			Prepared & Analyzed: 04/16/07					
tert-Amyl methyl ether	12.4	0.50	ug/l	10.0	ND	124	65-135	5	25	
Benzene	11.5	0.50	"	10.0	ND	115	75-120	3	20	
tert-Butyl alcohol	232	20	"	200	ND	116	60-135	3	25	
Di-isopropyl ether	11.1	0.50	"	10.0	ND	111	70-130	2	25	
Ethyl tert-butyl ether	11.8	0.50	"	10.0	ND	118	65-130	4	25	
Ethylbenzene	11.5	0.50	"	10.0	ND	115	75-120	4	20	
Methyl tert-butyl ether	12.0	0.50	"	10.0	ND	120	50-140	3	25	
Toluene	11.5	0.50	"	10.0	ND	115	75-120	2	25	
Xylenes (total)	35.4	0.50	"	30.0	ND	118	75-120	0.9	20	
<i>Surrogate: Dibromofluoromethane</i>	2.49		"	2.50		100	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.55		"	2.50		102	60-125			
<i>Surrogate: Toluene-d8</i>	2.53		"	2.50		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.61		"	2.50		104	60-135			

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MQD0638
Reported:
04/30/07 14:21

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
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Batch 7D21010 - EPA 5030B P/T / EPA 8260B

Blank (7D21010-BLK1)

Prepared & Analyzed: 04/21/07

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	"							
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.63		"	2.50		105	60-125			
<i>Surrogate: Toluene-d8</i>	2.38		"	2.50		95	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.22		"	2.50		89	60-135			

Laboratory Control Sample (7D21010-BS1)

Prepared & Analyzed: 04/21/07

tert-Amyl methyl ether	11.5	0.50	ug/l	10.0		115	65-135			
Benzene	11.0	0.50	"	10.0		110	75-120			
tert-Butyl alcohol	222	20	"	200		111	60-135			
Di-isopropyl ether	11.6	0.50	"	10.0		116	70-130			
Ethyl tert-butyl ether	11.5	0.50	"	10.0		115	65-130			
Ethylbenzene	11.5	0.50	"	10.0		115	75-120			
Methyl tert-butyl ether	11.6	0.50	"	10.0		116	50-140			
Toluene	11.2	0.50	"	10.0		112	75-120			
Xylenes (total)	34.6	0.50	"	30.0		115	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.75		"	2.50		110	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.77		"	2.50		111	60-125			
<i>Surrogate: Toluene-d8</i>	2.47		"	2.50		99	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.50		"	2.50		100	60-135			

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MQD0638
Reported:
04/30/07 14:21

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
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Batch 7D21010 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7D21010-MS1) Source: MQD0638-02 Prepared: 04/21/07 Analyzed: 04/22/07

tert-Amyl methyl ether	12.0	0.50	ug/l	10.0	ND	120	65-135			
Benzene	11.4	0.50	"	10.0	ND	114	75-120			
tert-Butyl alcohol	227	20	"	200	ND	114	60-135			
Di-isopropyl ether	12.1	0.50	"	10.0	ND	121	70-130			
Ethyl tert-butyl ether	11.8	0.50	"	10.0	ND	118	65-130			
Ethylbenzene	11.3	0.50	"	10.0	ND	113	75-120			
Methyl tert-butyl ether	16.6	0.50	"	10.0	4.3	123	50-140			
Toluene	11.3	0.50	"	10.0	ND	113	75-120			
Xylenes (total)	34.2	0.50	"	30.0	ND	114	75-120			
Surrogate: Dibromofluoromethane	2.66		"	2.50		106	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.82		"	2.50		113	60-125			
Surrogate: Toluene-d8	2.46		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.40		"	2.50		96	60-135			

Matrix Spike Dup (7D21010-MSD1) Source: MQD0638-02 Prepared: 04/21/07 Analyzed: 04/22/07

tert-Amyl methyl ether	12.4	0.50	ug/l	10.0	ND	124	65-135	3	25	
Benzene	11.5	0.50	"	10.0	ND	115	75-120	0.9	20	
tert-Butyl alcohol	237	20	"	200	ND	118	60-135	4	25	
Di-isopropyl ether	12.5	0.50	"	10.0	ND	125	70-130	3	25	
Ethyl tert-butyl ether	12.2	0.50	"	10.0	ND	122	65-130	3	25	
Ethylbenzene	11.7	0.50	"	10.0	ND	117	75-120	3	20	
Methyl tert-butyl ether	17.0	0.50	"	10.0	4.3	127	50-140	2	25	
Toluene	11.5	0.50	"	10.0	ND	115	75-120	2	25	
Xylenes (total)	35.4	0.50	"	30.0	ND	118	75-120	3	20	
Surrogate: Dibromofluoromethane	2.61		"	2.50		104	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.67		"	2.50		107	60-125			
Surrogate: Toluene-d8	2.49		"	2.50		100	80-120			
Surrogate: 4-Bromofluorobenzene	2.49		"	2.50		100	60-135			

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQD0638 Reported: 04/30/07 14:21
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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7D18007 - General Preparation / EPA 160.2

Blank (7D18007-BLK1)		Prepared: 04/17/07 Analyzed: 04/18/07								
Total Suspended Solids	ND	10	mg/l							
Duplicate (7D18007-DUP1)		Source: MQD0638-04		Prepared: 04/17/07 Analyzed: 04/18/07						
Total Suspended Solids	ND	10	mg/l		ND				20	

Batch 7D18032 - General Preparation / EPA 410.4

Blank (7D18032-BLK1)		Prepared & Analyzed: 04/17/07								
Chemical Oxygen Demand	ND	30	mg/l							
Laboratory Control Sample (7D18032-BS1)		Prepared & Analyzed: 04/17/07								
Chemical Oxygen Demand	102	30	mg/l	100		102	80-130			
Matrix Spike (7D18032-MS1)		Source: MQD0599-01		Prepared & Analyzed: 04/17/07						
Chemical Oxygen Demand	124	30	mg/l	100	42	82	80-130			
Matrix Spike Dup (7D18032-MSD1)		Source: MQD0599-01		Prepared & Analyzed: 04/17/07						
Chemical Oxygen Demand	132	30	mg/l	100	42	90	80-130	6	20	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQD0638
Reported:
04/30/07 14:21

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

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Tuesday, April 17, 2007 10:32 AM
To: Lisa Race
Subject: RE: Problem COC for ARCO#0608 - MQD0638
Attachments: Revised COC 608.pdf

RE REVISION

Hi Lisa,

Please find the revised COC attached. I will make sure all templates are changed to reflect the correct number.

Thank you!

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

-----Original Message-----

From: Lisa Race [mailto:lrace@testamericainc.com]
Sent: Tuesday, April 17, 2007 7:52 AM
To: Allan Dudding; knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Sonia Nandi
Subject: Problem COC for ARCO#0608 - MQD0638

Please correct the global ID and send a revised COC. Please update your template as this is a continuous problem for this site.

NOTIFICATION

On Monday, March 12, 2007 the USEPA issued Guidelines for Establishing Test Procedures for the Analysis of Pollutants under the Clean Water Act; National Primary Drinking Water Regulations; Analysis and Sampling Procedures; **Final Rule**.

Summary:

This rule makes significant changes in test procedures for the analysis and sampling under both the Clean Water Act (CWA, 40 CFR part 136) and Safe Drinking Water Act (SDWA, 40 CFR part 141). A large number of methods of analysis have been deleted for use in regulatory compliance testing and have been replaced by alternate more up-to-date versions. In addition, a number of new test methods have been added and procedures for the preservation of samples and holding times for several analytes have been changed.

The provisions under this notice become **effective April 11, 2007**.

Impact to our clients:

On April 11, 2007, TestAmerica-STL laboratories will no longer be reporting data using the

4/17/2007

analyses removed from the CFR unless you hold a current NPDES permit or other regulatory mandate with a 'removed' method specified. Please notify your project manager if this is the case to ensure that the correct method is used for your project.

Feel free to contact me with any questions.

Lisa Race

Senior Project Manager, Morgan Hill, CA

TestAmerica Analytical Testing Corporation

Tel.: 408-776-9600

Direct.: 408-782-8156

Fax: 408-782-6308

e-mail: lrace@testamericainc.com

NOTE NEW E-MAIL ADDRESS

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.



bp
A BP affiliated company

Chain of Custody Record

AM

REVISED

RUSH

Pa 1 of 1

Project Name: ARCO Facility No. 608
 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: 0730 Temp: 50
 Off-site Time: 0845 Temp:
 Sky Conditions: clear
 Meteorological Events:
 Wind Speed: Direction:

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd., San Lorenzo, CA</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
<u>Morgan Hill, CA 95937</u>	Site Lat/Long:	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>F600100085 10600100085</u>	Consultant/Contractor Project No.: <u>E608-03</u>
Tele/Fax: <u>408-782-8156/408-782-6308</u>	Enfos Project No.: <u>G0C24-0017</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or OOC (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>03-O&M</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shaves@stratusinc.net</u>
Tele/Fax: <u>925-275-3506/925-275-3815</u>	Cost Element: <u>Subcontractor Cost</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Turnaround Time		Sample Point Lat/Long and Comments			
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	5-Oxygenates	TSS	COD	24-hours	Standard				
1	00608WINF	0810	4/16/07	x			MBD0638	6							x	x	x							5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA. The 24-hour TAT rush on 00608EFF is only for GRO, BTEX, and 5-Oxys.TSS and COD are to be analyzed on a STD. TAT.
2	00608WGAC1	0805		x			02	6							x	x	x							
3	00608WGAC2	0800		x			03	6							x	x	x							
4	00608WEFF	0815		x			04	10						x	x	x	x	x	x					
5																								
6	00608W																							
7	TB60841607	0830	4/16/07	x			05	2																Hold
8																								
9																								
10																								

Sampler's Name: [Signature] Relinquished by Affiliation: [Signature] Stratus Date: 4/16/07 Time: 110
 Sampler's Company: Stratus Environmental, Inc. Accepted By / Affiliation: [Signature] Date: 4-16-07 Time: 11:20
 Shipment Date: 4/16/07
 Shipment Method:
 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: Argo 608
 REC. BY (PRINT) A.M.
 WORKORDER: _____

DATE REC'D AT LAB: 4-16-07
 TIME REC'D AT LAB: 11:10
 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 / <input checked="" type="radio"/> Absent Intact / Broken*		00608 WINF	6 VOA Het	HCl	-	L	4-16-07	
2. Chain-of-Custody <input checked="" type="radio"/> Present / Absent*		00608 WGTAC 1	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / <input checked="" type="radio"/> Absent		00608 WGTAC 2	↓	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / <input checked="" type="radio"/> Absent		00608 WEFF	↓	↓	↓	↓	↓	
5. Airbill #:		↓	3 Amber VOA 500mL Poly	H2SO4	-	↓	↓	
6. Sample Labels: <input checked="" type="radio"/> Present / Absent		TR60841607	2 VOA	HCl	↓	↓	↓	
7. Sample IDs: <input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: <input checked="" type="radio"/> Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No*								
10. Sample received within hold time? <input checked="" type="radio"/> Yes / No*								
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No*								
12. Proper preservatives used? <input checked="" type="radio"/> Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) <input checked="" type="radio"/> Yes / No*								
14. Read Temp: <u>4.0°C</u> Corrected Temp: <u>4.0°C</u> Is corrected temp 4 +/-2°C? <input checked="" type="radio"/> Yes / No**								

A.M. 4-16-07

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

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



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

June 8, 2007
Project No: 608-03

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

Re: Remediation System Operation and Maintenance Data Package, ARCO Service Station No. 608, located at 17601 Hesperian Boulevard, San Lorenzo, California (Field activities performed on May 1, 15, and 29, 2007)

General Information

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

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

On-Site Supplier Representative: Chris Hill

System Overview: Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

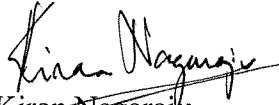
Scope of Work Performed: Conduct routine operation and maintenance and record system measurements. System samples were collected on May 1, 2007.

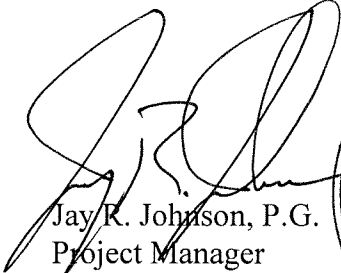
Variations from Work Scope: None


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.


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. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
 Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

ORIGINAL

Date: 5-1-07 Technician: CHILL
 Onsite Time: 0737 Weather Conditions: clear
 Offsite Time: 0825 Ambient Temperature: 50
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: NA Operational Non-operational

Electric Meter Reading: 51378
 Hour Meter Reading: 36683.4

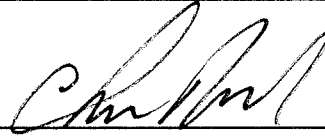
Flow Totalizer Reading Before Carbon Treatment: NA
 Flow Totalizer Reading After Carbon Treatment: 22352.5

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	<u>5</u>	<u>3</u>	<u>4</u>	<u>4</u>

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°F	units	m Siemens
Effluent	<u>17.1</u>	<u>7.7</u>	<u>826</u>

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF	<u>5/1/07 0805</u>		
00608WGAC1	<u>0754</u>		
00608WGAC2	<u>0752</u>		
00608WEFF	<u>0750</u>		

Signature:  Date: 5-1-07

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
 Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

ORIGINAL

Date: 5-15-07 Technician: CHILL
 Onsite Time: 0400 Weather Conditions: Clear/Fog
 Offsite Time: 0455 Ambient Temperature: 50
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: Operational NA Non-operational

Electric Meter Reading: 51314
 Hour Meter Reading: 37018.0

Flow Totalizer Reading Before Carbon Treatment: _____

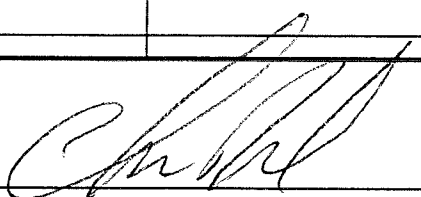
Flow Totalizer Reading After Carbon Treatment: 37628.9

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	6	4	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°F	units	msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature:  Date: 51507

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
 Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

ORIGINAL

Date: 5.29.07 Technician: PHILL
 Onsite Time: 0820 Weather Conditions: Clouds
 Offsite Time: 0900 Ambient Temperature: 48
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational

System Status Upon Departure: Operational Non-operational

Extraction Well Pump: Operational Non-operational

Transfer Pump: Operational N/A Non-operational

Electric Meter Reading: 51348

Hour Meter Reading: 37355

Flow Totalizer Reading Before Carbon Treatment: N/A

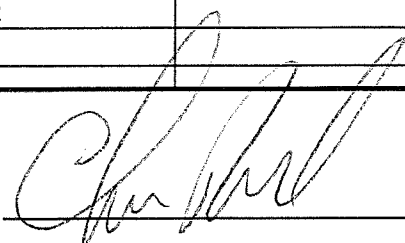
Flow Totalizer Reading After Carbon Treatment: ~~51253.0~~ 51253.0

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	5	3	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature: 

Date: 5-29-07



Chain of Custody Record

ORIGINAL RUSH

Project Name: ARCO Facility No. 608
 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: <u>0737</u>	Temp: <u>50</u>
Off-site Time: <u>0825</u>	Temp: <u>51</u>
Sky Conditions: <u>Clear</u>	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive Morgan Hill, CA 95937</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd., San Lorenzo, CA</u>	Address: <u>3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T0600100085</u>	Consultant/Contractor Project No.: <u>E608-03</u>
Tele/Fax: <u>408-782-8156/ 408-782-6308</u>	Enfos Project No.: <u>G0C24-0017</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or OOC (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150 San Ramon, CA</u>	Phase/WBS: <u>03-O&M</u>	Report Type & QC Level: <u>Level I with EDF</u>
Tele/Fax: <u>925-275-3506/925-275-3815</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shayes@stratusinc.net</u>
	Cost Element: <u>Subcontractor Cost</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Lab Bottle Order No.	Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Turnaround Time		Sample Point Lat/Long and Comments		
					Sol/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	5-Oxygenates	TSS	COD	24-hours	Standard			
	1	00608WINF	<u>0725</u>	<u>5/10/07</u>	x				<u>6</u>							x	x	x						5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA. The 24-hour TAT rush on 00608EFF is only for GRO, BTEX, and 5-Oxys. TSS and COD are to be analyzed on a STD. TAT.
	2	00608WGAC1	<u>0755</u>	}	x				<u>6</u>							x	x	x						
	3	00608WGAC2	<u>0752</u>		x				<u>6</u>								x	x	x					
	4	00608WEFF	<u>0750</u>	x				<u>12</u>		x		x				x	x	x	x	x				
	5																							
	6																							
	7																							
	8																							
	9																							
	10																							

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>5/10/07</u>	Time: <u>1030</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>5/10/07</u>	Time: <u>1030</u>
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>5-1-07</u>						
Shipment Method: <u>Structure</u>						
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)

19 May, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQE0010

Enclosed are the results of analyses for samples received by the laboratory on 05/01/07 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
---	--	--

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQE0010-01	Water	05/01/07 08:05	05/01/07 10:30
00608WGAC1	MQE0010-02	Water	05/01/07 07:55	05/01/07 10:30
00608WGAC2	MQE0010-03	Water	05/01/07 07:52	05/01/07 10:30
00608WEFF	MQE0010-04	Water	05/01/07 07:50	05/01/07 10:30

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

These samples were received with no custody seals.

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
---	--	--

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQE0010-01) Water Sampled: 05/01/07 08:05 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01019	05/01/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	
00608WGAC1 (MQE0010-02) Water Sampled: 05/01/07 07:55 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01019	05/01/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		98 %	60-125		"	"	"	"	
00608WGAC2 (MQE0010-03) Water Sampled: 05/01/07 07:52 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01019	05/01/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	
00608WEFF (MQE0010-04) Water Sampled: 05/01/07 07:50 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01019	05/01/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

00608WINF (MQE0010-01) Water Sampled: 05/01/07 08:05 Received: 05/01/07 10:30

tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01019	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	6.9	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %	60-135		"	"	"	"	

00608WGAC1 (MQE0010-02) Water Sampled: 05/01/07 07:55 Received: 05/01/07 10:30

tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01019	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	6.0	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %	60-135		"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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Volatile Organic Compounds by EPA Method 8260B
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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00608WGAC2 (MQE0010-03) Water **Sampled: 05/01/07 07:52** **Received: 05/01/07 10:30**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01019	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	4.7	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94 %	60-135		"	"	"	"	

00608WEFF (MQE0010-04) Water **Sampled: 05/01/07 07:50** **Received: 05/01/07 10:30**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01019	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %	60-135		"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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Conventional Chemistry Parameters by APHA/EPA Methods
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WEFF (MQE0010-04) Water Sampled: 05/01/07 07:50 Received: 05/01/07 10:30									
Chemical Oxygen Demand	ND	30000	ug/l	1	7E15033	05/15/07	05/15/07	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	7E02031	05/01/07	05/02/07	SM 2540D	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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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
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Batch 7E01019 - EPA 5030B P/T / LUFT GCMS

Blank (7E01019-BLK1)				Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.39		"	2.50		96	60-125			
Laboratory Control Sample (7E01019-BS2)				Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	421	50	ug/l	500		84	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.44		"	2.50		98	60-125			
Laboratory Control Sample Dup (7E01019-BSD2)				Prepared & Analyzed: 05/01/07						
Gasoline Range Organics (C4-C12)	396	50	ug/l	500		79	65-120	6	20	
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-125			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

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
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Batch 7E01019 - EPA 5030B P/T / EPA 8260B

Blank (7E01019-BLK1)

Prepared & Analyzed: 05/01/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.41		"	2.50		96	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.39		"	2.50		96	60-125			
<i>Surrogate: Toluene-d8</i>	2.43		"	2.50		97	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.34		"	2.50		94	60-135			

Laboratory Control Sample (7E01019-BS1)

Prepared & Analyzed: 05/01/07

tert-Amyl methyl ether	11.5	0.50	ug/l	10.0		115	65-135			
Benzene	10.3	0.50	"	10.0		103	75-120			
tert-Butyl alcohol	196	20	"	200		98	60-135			
Di-isopropyl ether	10.8	0.50	"	10.0		108	70-130			
Ethyl tert-butyl ether	10.7	0.50	"	10.0		107	65-130			
Ethylbenzene	10.8	0.50	"	10.0		108	75-120			
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	50-140			
Toluene	10.7	0.50	"	10.0		107	75-120			
Xylenes (total)	32.1	0.50	"	30.0		107	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.55		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.50		"	2.50		100	60-125			
<i>Surrogate: Toluene-d8</i>	2.37		"	2.50		95	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.48		"	2.50		99	60-135			

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7E01019 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7E01019-MS1)	Source: MQD1102-05	Prepared & Analyzed: 05/01/07								
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135			
Benzene	9.71	0.50	"	10.0	ND	97	75-120			
tert-Butyl alcohol	190	20	"	200	ND	95	60-135			GR
Di-isopropyl ether	9.86	0.50	"	10.0	ND	99	70-130			
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	65-130			
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-120			
Methyl tert-butyl ether	11.8	0.50	"	10.0	0.72	111	50-140			
Toluene	10.1	0.50	"	10.0	ND	101	75-120			
Xylenes (total)	30.4	0.50	"	30.0	ND	101	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.76		"	2.50		110	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.57		"	2.50		103	60-125			
<i>Surrogate: Toluene-d8</i>	2.58		"	2.50		103	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.70		"	2.50		108	60-135			

Matrix Spike Dup (7E01019-MSD1)	Source: MQD1102-05	Prepared: 05/01/07 Analyzed: 05/02/07								
tert-Amyl methyl ether	10.5	0.50	ug/l	10.0	ND	105	65-135	8	25	
Benzene	9.47	0.50	"	10.0	ND	95	75-120	3	20	
tert-Butyl alcohol	179	20	"	200	ND	90	60-135	6	25	GR
Di-isopropyl ether	9.47	0.50	"	10.0	ND	95	70-130	4	25	
Ethyl tert-butyl ether	10.0	0.50	"	10.0	ND	100	65-130	6	25	
Ethylbenzene	9.96	0.50	"	10.0	ND	100	75-120	4	20	
Methyl tert-butyl ether	11.1	0.50	"	10.0	0.72	104	50-140	6	25	
Toluene	9.66	0.50	"	10.0	ND	97	75-120	4	25	
Xylenes (total)	29.4	0.50	"	30.0	ND	98	75-120	3	20	
<i>Surrogate: Dibromofluoromethane</i>	2.66		"	2.50		106	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.49		"	2.50		100	60-125			
<i>Surrogate: Toluene-d8</i>	2.52		"	2.50		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.60		"	2.50		104	60-135			

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7E15033 - General Preparation / EPA 410.4

Blank (7E15033-BLK1)				Prepared & Analyzed: 05/15/07						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7E15033-BS1)				Prepared & Analyzed: 05/15/07						
Chemical Oxygen Demand	105000	30000	ug/l	100000		105	80-130			
Matrix Spike (7E15033-MS1)				Prepared & Analyzed: 05/15/07						
Chemical Oxygen Demand	154000	30000	ug/l	100000	32000	122	80-130			
Matrix Spike Dup (7E15033-MSD1)				Prepared & Analyzed: 05/15/07						
Chemical Oxygen Demand	142000	30000	ug/l	100000	32000	110	80-130	8	20	

Batch 7E02031 - General Preparation / SM 2540D

Blank (7E02031-BLK1)				Prepared: 05/01/07 Analyzed: 05/02/07						
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7E02031-DUP1)				Prepared: 05/01/07 Analyzed: 05/02/07						
Total Suspended Solids	ND	10000	ug/l		ND				20	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

Notes and Definitions

GR Internal standard recovery is outside method recovery limit
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



bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO Facility No. 608
 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

RUSH

On-site Time: <u>0737</u>	Temp: <u>50</u>
Off-site Time: <u>0825</u>	Temp: <u>51</u>
Sky Conditions: <u>clear</u>	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd., San Lorenzo, CA</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
<u>Morgan Hill, CA 95937</u>	Site Lat/Long:	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T0600100085</u>	Consultant/Contractor Project No.: <u>E608-03</u>
Tele/Fax: <u>408-782-8156/ 408-782-6308</u>	Enfos Project No.: <u>G0C24-0017</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or OOC (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>03-O&M</u>	Report Type & QC Level: <u>Level I with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shaves@stratusinc.net</u>
Tele/Fax: <u>925-275-3506/925-275-3815</u>	Cost Element: <u>Subcontractor Cost</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis				Turnaround Time		Sample Point Lat/Long and Comments		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	5-Oxygenates	TSS	COD	24-hours		Standard	
1	00608WINF	0705	5/10/07	x			-01	6							x	x	x					5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA. The 24-hour TAT rush on 00608EFF is only for GRO, BTEX, and 5-Oxys. TSS and COD are to be analyzed on a STD. TAT.
2	00608WGAC1	0755		x			-02	6							x	x	x					
3	00608WGAC2	0752		x			-03	6							x	x	x					
4	00608WEFF	0750		x			-04	12	x	x					x	x	x	x	x			
5																						
6																						
7																						
8																						
9																						
10																						

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>Chris Hill</u>	Date: <u>5/10/07</u>	Time: <u>1030</u>	Accepted By / Affiliation: <u>Andy Medina</u>	Date: <u>5/11/07</u>	Time: <u>1030</u>
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>5-10-07</u>						
Shipment Method: <u>Stratus</u>						
Shipment Tracking No:						

Instructions: Please cc results to Bpedf@Broadbentinc.Com

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 608
 REC. BY (PRINT) A.M.
 WORKORDER: MAE0010

DATE REC'D AT LAB: 5/1/07
 TIME REC'D AT LAB: 10:30
 DATE LOGGED IN: 5/1/07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <input checked="" type="radio"/> Absent Intact / Broken*		00608WTNF	6 VOA	HCl	-	L	5/1/07	
2. Chain-of-Custody <input checked="" type="radio"/> Present / Absent*		↓ WGAC1	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / Absent		↓ WBEFF	↓	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / <input checked="" type="radio"/> Absent		↓	4 VOA Amber 2(600ml) Poly	H ₂ SO ₄ -	↓	↓	↓	
5. Airbill #:								
6. Sample Labels: <input checked="" type="radio"/> Present / Absent								
7. Sample IDs: <input checked="" type="radio"/> 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? <input checked="" type="radio"/> Yes / No*								
10. Sample received within hold time? <input checked="" type="radio"/> Yes / No*								
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No*								
12. Proper preservatives used? <input checked="" type="radio"/> Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / <input checked="" type="radio"/> No*								
14. Read Temp: <u>11°C</u> Corrected Temp: <u>11°C</u> Is corrected temp 4 +/-2°C? <input checked="" type="radio"/> Yes / No*								
(Acceptance range for samples requiring thermal pres.)								
**Exception (if any): METALS / DFF ON ICE or Problem COC								

5/1/07 A.M.

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



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

June 8, 2007
Project No. E608-3

Mr. Jeff Carson
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Subject: Monthly Discharge Report – May 2007
Discharge Permit No. SPD-037B
ARCO Service Station No. 608
17601 Hesperian Boulevard
San Lorenzo, California 94580

Dear Mr. Carson:

Stratus Environmental, Inc. (Stratus) has prepared this monthly report of waste discharge on behalf of Atlantic Richfield Company (a BP Affiliated Company), for the groundwater extraction and treatment system (GWETS) operated at ARCO Service Station No. 608, 17601 Hesperian Boulevard, San Lorenzo, California (Figures 1 and 2). This report presents a summary of the GWET system's operational and performance data for reporting period of April 16, 2007 through May 29, 2007. The GWETS operational parameters for May 2007 are summarized below:

<i>Treatment System Status:</i>	Continuous operation
<i>Reporting Period:</i>	April 16, 2007 to May 29, 2007
<i>Volume Discharged This Period:</i>	44,715 gallons
<i>Average Flow Rate This Period:</i>	0.72 gallons per minute (gpm)
<i>Effluent pH Reading:</i>	7.70 on 05/01/07
<i>Analytical Report:</i>	See Appendix B

Discussion:

During May 2007, Stratus conducted three site visits (Appendix A) to verify system operation, conduct maintenance as warranted, and to collect influent, mid-fluent (GAC1 and GAC2), and effluent water sample. In accordance with OLSD permit requirements, Stratus collected influent, mid-fluent (GAC1 and GAC2, Figure 3), and effluent water samples on May 1, 2007, and

forwarded them to TestAmerica Analytical Testing Corporation, a state-certified laboratory (ELAP #1210), for chemical analysis. The water samples were analyzed for gasoline range organics (GRO) by DHS LUFT Method, for benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary butyl alcohol (TBA) by United States Environmental Protection Agency (USEPA) Method 8260B. The effluent water sample was additionally analyzed for total suspended solids (TSS) by USEPA Method 160.2 and for chemical oxygen demand (COD) by EPA Method 1664A. Copies of analytical reports with chain-of-custody documentation are included in Appendix B.

Petroleum hydrocarbons, TSS, or COD were not reported in the effluent water sample collected on May 1, 2007. GRO and benzene were below laboratory reporting limits in the influent, mid-fluent (GAC1 and GAC2), and effluent water samples collected on May 1, 2007. MTBE was reported in the influent water sample collected on May 1, 2007, at a concentration of 6.9 µg/L. MTBE was also reported in the GAC1 and GAC2 water samples collected on May 1, 2007, at concentrations of 6.0 µg/L, and 4.7 µg/L, respectively.

Between April 16, 2007 and May 29, 2007, approximately 44,715 gallons of groundwater were extracted, treated, and discharged to the sanitary sewer. Based on the totalizer and hour meter readings for the period of April 16, 2007 to May 29, 2007, the groundwater extraction and treatment rate was estimated to be approximately 0.72 gpm.

CERTIFICATION

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

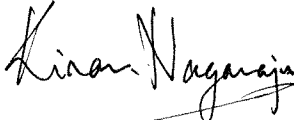
Mr. Jeff Carson, OLSD
Monthly Discharge Report – May 2007
ARCO Service Station No. 608, San Lorenzo

June 6, 2007
Project No. E608-03

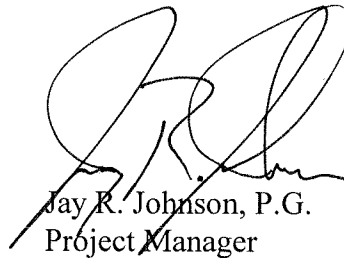
If you have any questions regarding this report, please contact Jay Johnson at (530) 676-6000.

Sincerely,

STRATUS ENVIRONMENTAL, INC.



Kiran Nagaraju
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cc: Mr. Paul Supple, Atlantic Richfield Company
Mr. Chuck Headlee, Regional Water Quality Control Board
Mr. Rob Miller, Broadbent & Associates, Inc.

Attachment: Table 1 Groundwater Extraction Performance Data
Table 2 Treatment System Analytical Data
Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Process Flow Diagram
Appendix A Field Data Sheets
Appendix B Certified Analytical Reports and Chain-of-Custody Documentation

Table 1
Groundwater Extraction Performance Data
ARCO Service Station No. 608
17601 Hesperian Boulevard, San Lorenzo, CA

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
09/25/91		0	---	0	0	0.0	ND	---	0.00	---	0.000	0.00	---	---	---
09/26/91		---	---	1,144	1,144	---	38	0.00	0.00	4.8	0.000	0.00	---	---	---
10/22/91		26	95.9	12,844	11,700	7.6	ND	---	0.00	ND	0.000	0.00	---	---	---
11/22/91		77	93.1	52,532	39,688	13.0	ND	---	0.00	0.5	0.000	0.00	---	---	---
12/19/91		322	62.1	122,540	70,008	4.8	ND	---	0.00	ND	0.000	0.00	---	---	---
01/16/92		994	0.0	283,289	160,749	4.0	ND	---	0.00	ND	0.000	0.00	---	---	---
02/19/92		1,809	0.2	485,200	201,911	4.1	370	0.31	0.31	14.0	0.012	0.01	---	---	---
03/17/92		2,462	0.0	662,847	177,647	4.5	160	0.39	0.70	18.0	0.024	0.04	---	---	---
04/15/92		3,150	1.1	851,100	188,253	4.6	200	0.28	0.99	11.0	0.023	0.06	---	---	---
05/14/92		3,849	0.0	1,030,086	178,986	4.3	45	0.18	1.17	1.4	0.009	0.07	---	---	---
06/19/92		4,712	0.1	1,229,960	199,874	3.9	ND	---	1.17	ND	0.001	0.07	---	---	---
07/14/92		5,001	51.8	1,291,201	61,241	3.5	97	0.02	1.19	25.0	0.006	0.08	---	---	---
08/18/92		---	---	1,410,018	118,817	---	ND	---	1.19	ND	0.012	0.09	---	---	---
09/15/92		6,298	---	1,535,640	125,622	3.1	ND	---	1.19	ND	0.000	0.09	---	---	---
10/16/92		7,012	4.1	1,651,623	115,983	2.7	ND	---	1.19	ND	0.000	0.09	---	---	---
11/18/92		7,809	0.0	1,768,076	116,453	2.4	ND	---	1.19	ND	0.000	0.09	---	---	---
12/17/92		8,502	0.4	1,864,300	96,224	2.3	96	0.04	1.23	7.7	0.003	0.09	---	---	---
01/18/93		8,798	61.5	1,915,165	50,865	2.9	100	0.04	1.27	13.0	0.004	0.10	---	---	---
02/22/93		9,607	0.0	2,096,930	181,765	3.7	480	0.44	1.71	36.0	0.037	0.13	---	---	---
03/15/93		10,113	0.0	2,205,833	108,903	3.6	310	0.36	2.07	29.0	0.030	0.16	---	---	---
04/09/93		10,517	32.8	2,298,770	92,937	3.8	140	0.17	2.25	11.0	0.015	0.18	---	---	---
05/13/93		11,211	14.9	2,449,160	150,390	3.6	530	0.42	2.67	27.0	0.024	0.20	---	---	---
06/04/93		11,734	1.0	2,543,500	94,340	3.0	170	0.28	2.94	5.2	0.013	0.21	---	---	---
07/20/93		12,573	24.0	2,689,697	146,197	2.9	200	0.23	3.17	12.0	0.010	0.22	---	---	---
08/16/93		13,219	0.3	2,791,366	101,669	2.6	150	0.15	3.32	4.9	0.007	0.23	---	---	---
09/13/93		13,888	0.4	2,884,736	93,370	2.3	80	0.09	3.41	2.2	0.003	0.23	---	---	---
10/08/93		14,485	0.5	2,951,737	67,001	1.9	ND	0.02	3.43	ND	0.001	0.24	---	---	---
11/19/93		15,494	0.0	3,036,032	84,295	1.4	ND	0.00	3.43	ND	0.000	0.24	---	---	---
12/21/93		16,260	0.3	3,113,565	77,533	1.7	73	0.02	3.45	3.5	0.001	0.24	---	---	---
01/18/94		16,939	0.0	3,190,900	77,335	1.9	60	0.04	3.49	3.1	0.002	0.24	---	---	---
02/17/94		17,658	0.0	3,273,720	82,820	1.9	ND	0.02	3.51	2.5	0.002	0.24	---	---	---
03/15/94		18,235	7.5	3,344,249	70,529	2.0	ND	0.00	3.51	ND	0.001	0.24	---	---	---
04/21/94		18,849	30.8	3,418,537	74,288	2.0	110	0.03	3.55	7.8	0.002	0.24	---	---	---
05/13/94		19,351	5.1	3,478,910	60,373	2.0	230	0.09	3.63	8.3	0.004	0.25	---	---	---
06/14/94	a	19,680	57.1	3,518,608	39,698	2.0	230	0.08	3.71	12.0	0.003	0.25	---	---	---
07/14/94	b	20,145	35.4	3,574,408	55,800	2.0	270	0.12	3.83	6.9	0.004	0.26	---	---	---
08/17/94	c	20,920	5.0	51,260	91,580	2.0	ND	0.10	3.93	1.8	0.003	0.26	---	---	---
09/12/94		21,549	0.0	120,910	69,650	1.8	ND	0.00	3.93	ND	0.001	0.26	---	---	---

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Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
10/18/94		22,408	0.5	211,880	90,970	1.8	ND	0.00	3.93	ND	0.000	0.26	---	---	---
11/15/94		23,080	0.0	280,840	68,960	1.7	ND	0.00	3.93	0.7	0.000	0.26	---	---	---
12/05/94		23,489	14.8	325,830	44,990	1.8	470	0.09	4.02	32.0	0.006	0.27	---	---	---
01/04/95		24,205	0.6	408,740	82,910	1.9	ND	0.16	4.18	1.1	0.011	0.28	---	---	---
02/06/95		24,926	9.0	499,690	90,950	2.1	100	0.04	4.22	2.4	0.001	0.28	---	---	---
03/02/95		25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28	---	---	---
04/04/95		26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28	---	---	---
05/02/95		26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29	---	---	---
06/05/95		27,721	2.4	848,810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29	---	---	---
07/06/95		28,464	0.1	921,260	72,450	1.6	270	0.08	4.74	2.4	0.001	0.29	---	---	---
08/21/95	d	29,568	0.0	993,320	72,060	1.1	230	0.15	4.89	1.8	0.001	0.29	---	---	---
06/05/00	e	29,592	---	976,600	---	---	700	---	4.89	7.2	---	0.29	361.0	---	0.000
06/05/00		29,593	0.0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361.0	0.01	0.010
07/08/00		30,352	4.2	1,131,560	151,760	3.3	133	0.53	5.43	5.1	0.008	0.30	272.0	0.40	0.410
08/07/00		30,955	16.3	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126.0	0.16	0.570
09/08/00		31,528	25.4	1,306,300	78,060	2.3	261	0.13	5.68	2.7	0.002	0.30	120.0	0.08	0.651
10/10/00		32,230	8.6	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.694
11/07/00		32,880	3.3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.727
12/05/00		33,516	5.4	1,548,840	75,910	2.0	167	0.09	5.99	0.8	0.000	0.31	104.0	0.06	0.791
01/04/01		33,924	43.3	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.828
02/06/01		34,556	20.2	1,672,330	76,990	2.0	203	0.07	6.08	0.6	0.000	0.31	80.5	0.05	0.882
03/08/01		34,776	69.5	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.899
03/24/01	†	35,088	18.7	1,741,170	42,310	2.3	---	0.07	6.20	---	0.000	0.31	---	0.03	0.928
04/18/01		35,335	59.0	1,770,860	29,690	2.0	75	0.04	6.24	ND	0.000	0.31	97.5	0.02	0.950
05/04/01		35,716	0.0	1,812,690	41,830	1.8	63	0.02	6.26	ND	0.000	0.31	93.2	0.03	0.983
06/09/01		36,345	27.1	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	71.0	0.05	1.029
07/05/01	f	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430.0	0.04	1.066
08/14/01	f	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0.000	0.31	870.0	0.17	1.235
09/05/01		37,219	24.8	1,977,050	48,540	2.0	<100	0.06	6.42	<1.0	0.000	0.31	340.0	0.24	1.480
10/05/01		37,932	0.0	2,040,950	63,900	1.5	ND	0.00	6.42	ND	0.000	0.31	150.0	0.13	1.611
11/13/01		38,820	0.0	2,119,670	78,720	1.5	ND	0.00	6.42	ND	0.000	0.31	92.0	0.08	1.690
12/11/01		39,496	0.0	2,186,530	66,860	1.6	65	0.02	6.44	ND	0.000	0.31	83.0	0.05	1.739
01/04/02		40,063	0.0	2,248,700	62,170	1.8	<50	0.02	6.46	ND	0.000	0.31	140.0	0.06	1.797
02/05/02		40,830	0.2	2,333,090	84,390	1.8	100	0.04	6.49	ND	0.000	0.31	190.0	0.12	1.913
03/05/02		40,968	79.4	2,353,460	20,370	2.5	150	0.02	6.51	<1.2	0.000	0.31	350.0	0.05	1.959
04/08/02		41,735	6.0	2,448,360	94,900	2.1	400	0.22	6.73	9.6	0.004	0.31	260.0	0.24	2.200
05/16/02		42,642	0.6	2,499,320	50,960	0.9	310	0.15	6.88	<1.0	0.002	0.31	330.0	0.13	2.325
05/31/02		42,832	47.2	2,503,380	4,060	0.4	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
08/19/02	g	44,925	---	2,520,289	16,909	0.1	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325

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						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
10/03/02	g	44,956	---	2,520,582	293	0.2	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
10/07/02	g	44,956	---	2,522,394	1,812	---	160	0.00	6.89	<1.0	0.000	0.31	130.0	0.00	2.329
11/07/02	h	0	---	2,527,925	5,531	---	250	0.01	6.89	<1.0	0.000	0.31	210.0	0.01	2.337
12/05/02		479	28.7	2,528,113	188	0.0	220	0.00	6.89	<1.0	0.000	0.31	110.0	0.00	2.337
01/03/03		1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	<1.0	0.000	0.31	140.0	0.07	2.403
02/13/03		2,156	0.2	2,692,710	101,351	1.7	<250	0.07	7.07	<2.5	0.000	0.31	66.0	0.09	2.490
03/27/03		3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	<0.50	0.000	0.31	71.0	0.06	2.546
04/24/03		4,172	0.0	2,865,050	74,382	1.2	120	0.07	7.19	<0.50	0.000	0.31	56.0	0.04	2.585
05/30/03		4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	<5.0	0.000	0.31	<50	0.00	2.585
06/19/03		4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	<5.0	0.000	0.31	46.0	0.01	2.593
07/24/03		5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	<0.50	0.000	0.31	41.0	0.08	2.678
08/28/03		6,165	0.8	3,040,900	68,538	1.4	<50	0.01	7.39	<0.50	0.000	0.31	30.0	0.02	2.698
09/25/03		6,838	0.0	3,095,020	54,120	1.3	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.01	2.711
10/23/03		7,512	0.0	3,149,200	177,215	1.1	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.04	2.753
11/20/03		8,182	0.3	3,204,612	55,412	1.4	<50	0.00	7.39	<0.50	0.000	0.31	22.0	0.01	2.764
12/18/03		8,851	1.1	3,264,487	30,531	1.5	52	0.01	7.40	<0.50	0.000	0.31	27.0	0.00	2.770
01/08/04		9,356	1.0	3,312,485	47,998	1.6	--	0.00	7.40	--	0.000	0.31	--	0.00	2.770
01/22/04		9,690	0.7	3,344,994	32,509	1.6	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.774
02/19/04		10,357	1.6	3,410,457	32,947	1.7	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.00	2.781
03/18/04		11,030	0.0	3,480,800	70,343	1.7	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.02	2.796
04/07/04		11,509	0.2	3,524,179	43,379	1.5	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.01	2.806
04/22/04		11,869	0.0	3,552,144	27,965	1.3	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.811
05/19/04		12,522	0.0	3,607,015	54,871	1.4	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.819
06/16/04		13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	<0.50	0.000	0.31	20.0	0.01	2.829
07/22/04		14,050	1.4	3,736,245	71,651	1.4	<50	0.02	7.43	<0.50	0.000	0.31	15.0	0.01	2.839
08/26/04		14,890	0.0	3,803,030	66,785	1.3	<50	0.00	7.43	<0.50	0.000	0.31	23.0	0.01	2.850
09/16/04		15,394	0.0	3,832,211	29,181	1.0	<50	0.00	7.43	<0.50	0.000	0.31	18.0	0.00	2.855
10/21/04		16,235	0.0	3,891,299	59,088	1.2	<50	0.00	7.43	<0.50	0.000	0.31	17.0	0.01	2.863
11/18/04		16,908	0.0	3,942,990	51,691	1.3	<50	0.00	7.43	<0.50	0.000	0.31	14.0	0.01	2.870
12/16/04		17,579	0.2	3,994,185	51,195	1.3	<50	0.00	7.43	<0.50	0.000	0.31	15.0	0.01	2.876
01/19/05		18,396	0.0	4,063,710	69,525	1.4	84	0.02	7.46	<0.50	0.000	0.31	19	0.01	2.886
02/16/05	i	19,068	0.0	4,117,922	54,212	1.3	<50	0.02	7.48	<0.50	0.000	0.31	29	0.01	2.897
03/16/05	i	19,741	0.0	4,175,364	57,442	1.4	56	0.01	7.49	<0.50	0.000	0.31	21	0.01	2.909
04/20/05		20,578	0.3	4,244,807	69,443	1.4	<50	0.02	7.50	<0.50	0.000	0.31	19	0.01	2.921
05/18/05		21,057	28.8	4,279,950	35,143	1.2	82	0.01	7.52	<0.50	0.000	0.31	16	0.01	2.926
06/15/05		21,728	0.1	4,325,824	45,874	1.1	<50	0.02	7.53	<0.50	0.000	0.31	15	0.01	2.932

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						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
07/26/05		22,468	24.8	4,369,300	43,476	1.0	<50	0.00	7.53	<0.50	0.000	0.31	13	0.01	2.937
08/25/05		23,184	0.6	4,407,082	37,782	0.9	<50	0.00	7.53	---	0.000	0.31	9.8	0.004	2.940
09/20/05		23,812	0.0	4,436,511	29,429	0.8	<50	0.00	7.53	<0.50	0.000	0.31	8.2	0.002	2.942
10/18/05		24,483	0.2	4,465,577	29,066	0.7	<50	0.00	7.53	<0.50	0.000	0.31	9.2	0.002	2.945
11/16/05		25,178	0.1	4,495,190	29,613	0.7	<50	0.00	7.53	<0.50	0.000	0.31	15	0.003	2.948
12/13/05		25,825	0.2	4,523,250	28,060	0.7	<50	0.00	7.53	<0.50	0.000	0.31	11	0.003	2.951
01/12/06		26,546	0.0	4,562,040	38,790	0.9	<50	0.00	7.53	<0.50	0.000	0.31	16	0.004	2.955
02/08/06		27,195	0.0	4,595,860	33,820	0.9	60	0.01	7.54	<0.50	0.000	0.31	15	0.004	2.959
03/06/06		27,816	0.5	4,621,920	26,060	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.003	2.963
04/03/06		28,489	0.0	4,651,630	29,710	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.004	2.967
05/02/06		NA	NA	4,686,187	34,557	--	<50	0.00	7.54	<0.50	0.000	0.31	16	0.004	2.967
06/13/06		30,189	0.54	4,694,809	8,622	0.1	<50	0.00	7.54	<0.50	0.000	0.31	--	0.000	2.967
06/27/06		30,524	0.3	4,697,476	2,667	---	---	---	---	---	---	---	---	---	---
07/17/06		31,006	0.0	4,706,984	9,508	0.3	<50	0.00	7.54	<0.50	0.000	0.31	5.7	0.000	2.968
08/09/06		31,556	0.4	4,719,605	12,621	0.4	<50	0.00	7.54	<0.50	0.000	0.31	4.6	0.001	2.968
09/12/06		32,371	0.1	4,731,489	11,884	0.2	<50	0.00	7.54	<0.50	0.000	0.31	2.9	0.000	2.968
09/27/06		32,731	0.0	4,732,102	613	0.03	---	---	---	---	---	---	---	---	---
10/09/06		33,014	1.7	4,732,140	38	0.00	<50	0.00	7.54	<0.50	0.000	0.31	3.3	0.000	2.968
10/26/06		33,426	0.0	4,732,179	39	0.00	---	---	---	---	---	---	---	---	---
11/10/06		33,784	3.3	4,732,180	1	0.00	<50	0.00	7.54	<0.50	0.000	0.31	6.6	0.000	2.968
11/29/06		34,237	0.0	4,732,186	6	0.00	---	---	---	---	---	---	---	---	---
12/05/06	j	34,379	5.3	4,732,186	0	0.00	---	---	---	---	---	---	---	---	---
01/02/07	k	34,380.0	99.9	4,732,190	4	0.11	<50	0.00	7.54	<0.50	0.000	0.31	1.4	0.000	2.968
01/12/07	l	34,380.0	100.0	4,732,200	10	---	---	---	---	---	---	---	---	---	---
01/24/07	m	34,669.6	0.0	4,732,220	20	0.00	---	---	---	---	---	---	---	---	---
01/29/07		NM	---	4,737,810	5,590	---	---	---	---	---	---	---	---	---	---
02/05/07		34,960	0.0	4,742,700	4,890	0.60	70	0.01	7.55	<0.50	0.000	0.31	7.1	0.000	2.968
02/20/07		35,316	1.0	4,751,030	8,330	0.39	---	---	---	---	---	---	---	---	---
03/05/07		35,631	0.7	4,756,760	5,730	0.30	87	0.01	7.56	<0.50	0.000	0.31	5.8	0.001	2.969
03/12/07	n	35,795	2.0	4,759,580	2,820	0.29	---	---	---	---	---	---	---	---	---
03/19/07		35,968	3.0	4,762,270	2,690	0.26	---	---	---	---	---	---	---	---	---
03/28/07	o	36,178	2.8	4,762,980	710	0.06	---	---	---	---	---	---	---	---	---
03/30/07	p	36,178	100.0	4,762,980	0	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Extraction Performance Data
ARCO Service Station No. 608
17601 Hesperian Boulevard, San Lorenzo, CA

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE			
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	
04/02/07	q	NM	---	4,762,980	0	---	---	---	---	---	---	---	---	---	---	---
04/10/07	r	36,178	0.0	4,762,985	5	---	---	---	---	---	---	---	---	---	---	---
04/16/07	s	36,323.8	1.3	6,538.48	6,538.48	0.75	<50	0.00	7.56	<0.50	0.000	0.31	6.5	0.001	2.970	
05/01/07		36,683.4	0.1	22,352.50	15,814.02	0.73	<50	<0.007	7.56	<0.50	<0.0001	0.31	6.9	0.001	2.971	
05/15/07		37,018.0	0.4	37,628.90	15,276.40	0.76	---	---	---	---	---	---	---	---	---	---
05/29/07		37,355.0	0.3	51,253.00	13,624.10	0.67	---	---	---	---	---	---	---	---	---	---

REPORTING PERIOD:	04/16/07 to 05/29/07			
CUMULATIVE GALLONS EXTRACTED:	8,810,388			
PERIOD GALLONS EXTRACTED:	44,715			
TOTAL POUNDS REMOVED:				
TOTAL GALLONS REMOVED:		7.56	0.31	2.971
AVERAGE PERIOD (4/16/07 to 5/29/07) FLOW RATE (gpm):	0.72	1.24	0.04	0.48
PERIOD (4/16/07 to 5/29/07) PERCENT OPERATIONAL:	99.9%			
PERIOD POUNDS REMOVED:				
PERIOD GALLONS REMOVED:		NA	NA	0.001
		NA	NA	0.0001

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon)										
09/26/91	38	4.8	0.6	1.6	1.1	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	0.52	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	370	14	0.34	14	2.4	---	---	---	---	---
03/17/92	160	18	0.32	0.56	1.6	---	---	---	---	---
04/15/92	200	11	<0.30	7.3	0.77	---	---	---	---	---
05/14/92	45	1.4	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	97	25	<0.50	8.5	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	96	7.7	13	0.56	9.7	---	---	---	---	---
01/18/93	100	13	6.6	1.1	11	---	---	---	---	---
02/22/93	480	36	29	4.9	96	---	---	---	---	---
03/15/93	310	29	14	4.9	55	---	---	---	---	---
04/09/93	140	11	2.8	2.6	17	---	---	---	---	---
05/13/93	530	27	12	18	96	---	---	---	---	---
06/04/93	170	5.2	1.6	2.5	23	---	---	---	---	---
07/20/93	200	12	0.91	8.2	29	---	---	---	---	---
08/16/93	150	4.9	0.63	2.9	15	---	---	---	---	---
09/13/93	80	2.2	<0.50	<0.50	4.8	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	73	3.5	<0.50	1.9	8.4	---	---	---	---	---
01/18/94	60	3.1	<0.50	3.2	4.3	---	---	---	---	---
02/17/94	<50	2.5	<0.50	2.1	3.1	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	110	7.8	<1.0	9.6	<1.0	---	---	---	---	---
05/13/94	230	8.3	<0.50	14	6	---	---	---	---	---
06/14/94	230	12	<0.50	16	1.5	---	---	---	---	---
07/14/94	270	6.9	<0.50	15	1.9	---	---	---	---	---
08/18/94	<50	1.8	<0.50	1.5	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	0.66	<0.50	2.6	<0.50	---	---	---	---	---
12/05/94	470	32	0.59	29	6.2	---	---	---	---	---
01/04/95	<50	1.1	<0.50	1.4	<0.50	---	---	---	---	---
02/06/95	100	2.4	1.1	1.2	2.8	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
04/04/95	290	6.6	<0.50	10	1.7	---	---	---	---	---
05/02/95	240	7.1	<0.50	3.2	1.6	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	270	2.4	<0.50	7.6	1	---	---	---	---	---
08/21/95	230	1.8	<0.50	1.6	0.92	---	---	---	---	---
06/05/00	700	7.24	<1.0	2.11	<1.0	361	---	---	---	---
07/08/00	133	5.09	0.598	<0.50	<0.50	272	---	---	---	---
08/10/00	144	2.8	<0.50	1.04	<0.50	126	---	---	---	---
09/08/00	261	2.74	0.826	0.626	<0.50	120	---	---	---	---
10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5	---	---	---	---
11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6	---	---	---	---
12/05/00	167	0.775	<0.50	<0.50	<0.50	104	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8	---	---	---	---
02/06/01	203	0.572	<0.50	0.513	<0.50	80.5	---	---	---	---
03/08/01	219	<0.50	6.16	1.21	0.682	81	---	---	---	---
04/18/01	74.5	<0.50	<0.50	<0.50	<0.50	97.5	---	---	---	---
05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2	---	---	---	---
06/09/01	64	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
07/05/01	100	<0.50	2.5	<0.50	<0.50	430	---	---	---	---
08/14/01	290	2.2	3.5	<1.0	<1.0	870	---	---	---	---
09/05/01	<100	<1.0	<1.0	<1.0	<1.0	340	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	150	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	92	---	---	---	---
12/11/01	65	<0.50	0.58	<0.50	<0.50	83	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	140	---	---	---	---
02/05/02	100	<0.50	<0.50	<0.50	<0.50	190	---	---	---	---
03/05/02	150	<1.2	<1.2	<1.2	<1.2	350	---	---	---	---
04/08/02	400	9.6	<1.0	1.4	<1.0	260	---	---	---	---
05/16/02	310	<1.0	<1.0	<1.0	<1.0	330	---	---	---	---
10/07/02	160	4.1	<1.0	<1.0	<1.0	130	---	---	---	---
11/07/02	250	<0.50	10	0.7	0.77	210	---	---	---	---
12/05/02	220	<1.0	<1.0	<1.0	<1.0	110	---	---	---	---
01/03/03	170	<1.0	<1.0	<1.0	<1.0	140	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	66	---	---	---	---
3/27/03 ¹	110	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
4/24/03 ¹	120	<0.50	<0.50	<0.50	<0.50	56	---	---	---	---
5/30/03 ¹	20	<0.50	<0.50	<0.50	<0.50	<50	---	---	---	---
06/19/03	160	<0.50	<0.50	<0.50	<0.50	46	---	---	---	---
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47) ²	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40) ²	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28) ²	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22	---	---	---	---
12/18/03	52	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	29	---	---	---	---
03/16/05	56 ³	<0.50	<0.50	<0.50	<1.0	21	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/18/05	82 ³	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	9.8	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	9.2	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	11	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
02/08/06	60	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
04/03/06	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	15	---	---	---	---
07/17/06	<50	<0.50	0.58	<0.50	<0.50	5.7	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	2.9	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	6.6	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	1.4	NS	<10	NM	NM
02/05/07	70	<0.50	<0.50	<0.50	<0.50	7.1	NS	NS	NM	NM
03/05/07	87	<0.50	<0.50	<0.50	<0.50	5.8	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	6.5	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	6.9	NS	NS	NM	NM

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	---	---	---	---	---	---	---	---	---	---
08/18/92	---	---	---	---	---	---	---	---	---	---
09/15/92	---	---	---	---	---	---	---	---	---	---
10/16/92	---	---	---	---	---	---	---	---	---	---
11/18/92	---	---	---	---	---	---	---	---	---	---
12/17/92	---	---	---	---	---	---	---	---	---	---
01/18/93	---	---	---	---	---	---	---	---	---	---
02/22/93	---	---	---	---	---	---	---	---	---	---
03/15/93	---	---	---	---	---	---	---	---	---	---
04/09/93	---	---	---	---	---	---	---	---	---	---
05/13/93	---	---	---	---	---	---	---	---	---	---
06/04/93	---	---	---	---	---	---	---	---	---	---
07/14/94	ND	ND	ND	ND	ND	---	---	---	---	---
08/17/94	---	---	---	---	---	---	---	---	---	---
09/12/94	---	---	---	---	---	---	---	---	---	---
10/18/94	---	---	---	---	---	---	---	---	---	---
11/05/94	---	---	---	---	---	---	---	---	---	---
12/05/94	---	---	---	---	---	---	---	---	---	---
01/04/95	---	---	---	---	---	---	---	---	---	---
02/06/95	---	---	---	---	---	---	---	---	---	---
03/02/95	---	---	---	---	---	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons) (continued)										
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	130	---	---	---	---
3/27/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	120	---	---	---	---
4/24/03 ¹	280	<2.5	<2.5	<2.5	<2.5	110	---	---	---	---
5/30/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	140	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (1.3) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---

Table 2
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 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons) (continued)										
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	2.4	---	---	---	---
05/18/05	58 ³	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/08/06	55	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
04/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	4.3	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	6.0	NS	NS	NM	NM

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Treatment System Analytical Data
 ARCO Service Station No. 608
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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons)										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	---	---	---	---	---	---	---	---	---	---
09/08/00	---	---	---	---	---	---	---	---	---	---
10/10/00	---	---	---	---	---	---	---	---	---	---
11/07/00	---	---	---	---	---	---	---	---	---	---
12/05/00	---	---	---	---	---	---	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1	---	---	---	---
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.94	---	---	---	---
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---

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 San Lorenzo, California

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MID-2 (between secondary and tertiary carbons) continued										
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/18/04	86	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
02/08/06	66	<0.50	<0.50	<0.50	<1.0	3.3	---	---	---	---
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	3.0	---	---	---	---
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	2.6	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	4.3	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.4	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	5.2	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	2.1	NS	NS	NM	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	4.5	NS	NS	NM	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	4.2	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	6.3	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	4.7	NS	NS	NM	NM

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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/09/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/04/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/20/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/16/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
05/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/21/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	7.19	---
06/12/00	<50	---	---	---	---	---	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.25	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.24	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	55	<10	6.89	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)	<20	<10	6.82	3.45
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	0.94

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.61	2.35
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.59	36.6 ⁴
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.3	2.93
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	7.2	15.0 ⁴
02/08/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	6.82	3.02
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	<0.50	<30	<10	6.87	1.12
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	0.80	<30	<10	6.78	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	<30	<10	7.58	4.45
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.66	4.28
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.24	3.47
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.32	7.26
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.39	5.24
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.54	5.25
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.03	--
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.86	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.79	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.31	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.8	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.7	NM

Table 2
Treatment System Analytical Data

ARCO Service Station #608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

SYMBOLS AND ABBREVIATIONS:

---	=Not applicable/available/sampled
<	=Not detected at or above the laboratory reporting limit.
COD	=Chemical oxygen demand
DO	=Dissolved Oxygen, field measurement
GRO	=Gasoline Range Organics
µg/L	=Micrograms per liter
mg/L	=Milligrams per liter
MTBE	=Methyl tert-Butyl Ether
ND	=Not detected at or above the laboratory reporting limit
TPH-g	=Total purgeable petroleum hydrocarbons as gasoline
TSS	=Total suspended solids
NS	=Not sampled
NM	=Not measured

FOOTNOTES:

1 = Analyzed with EPA Method 8260

2 = MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).

3 = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

4 = Value appears to be anomalous.

5 = Possible high bias due to CCV falling outside acceptance criteria

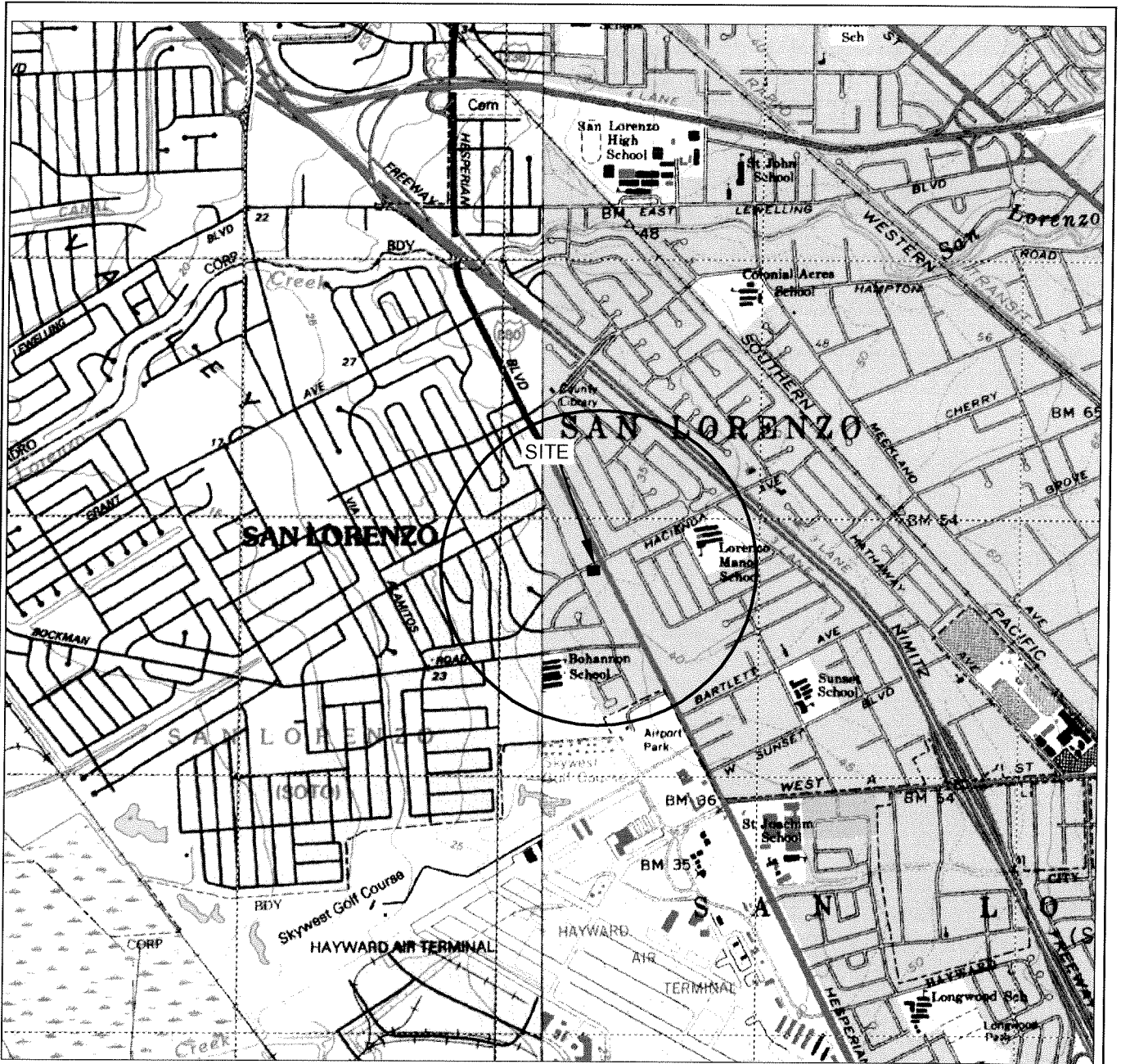
NOTES:

GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

GRO analyzed by DHS/LUFT Method, and BTEX & MTBE analyzed by EPA Method 8260B beginning January 2, 2007.

The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

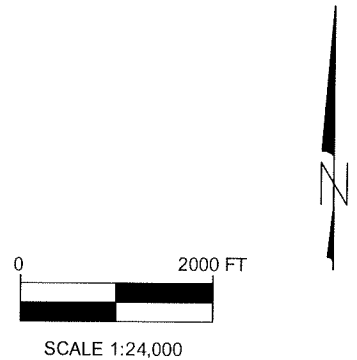
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.



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



QUADRANGLE LOCATION



ARCO 608 Site Location Map.dwg
 May 30, 2007
 JMP
 ARCO608

STRATUS
 ENVIRONMENTAL, INC.

ARCO SERVICE STATION NO. 608
 17601 HESPERIAN BOULEVARD
 SAN LORENZO, CALIFORNIA

SITE LOCATION MAP

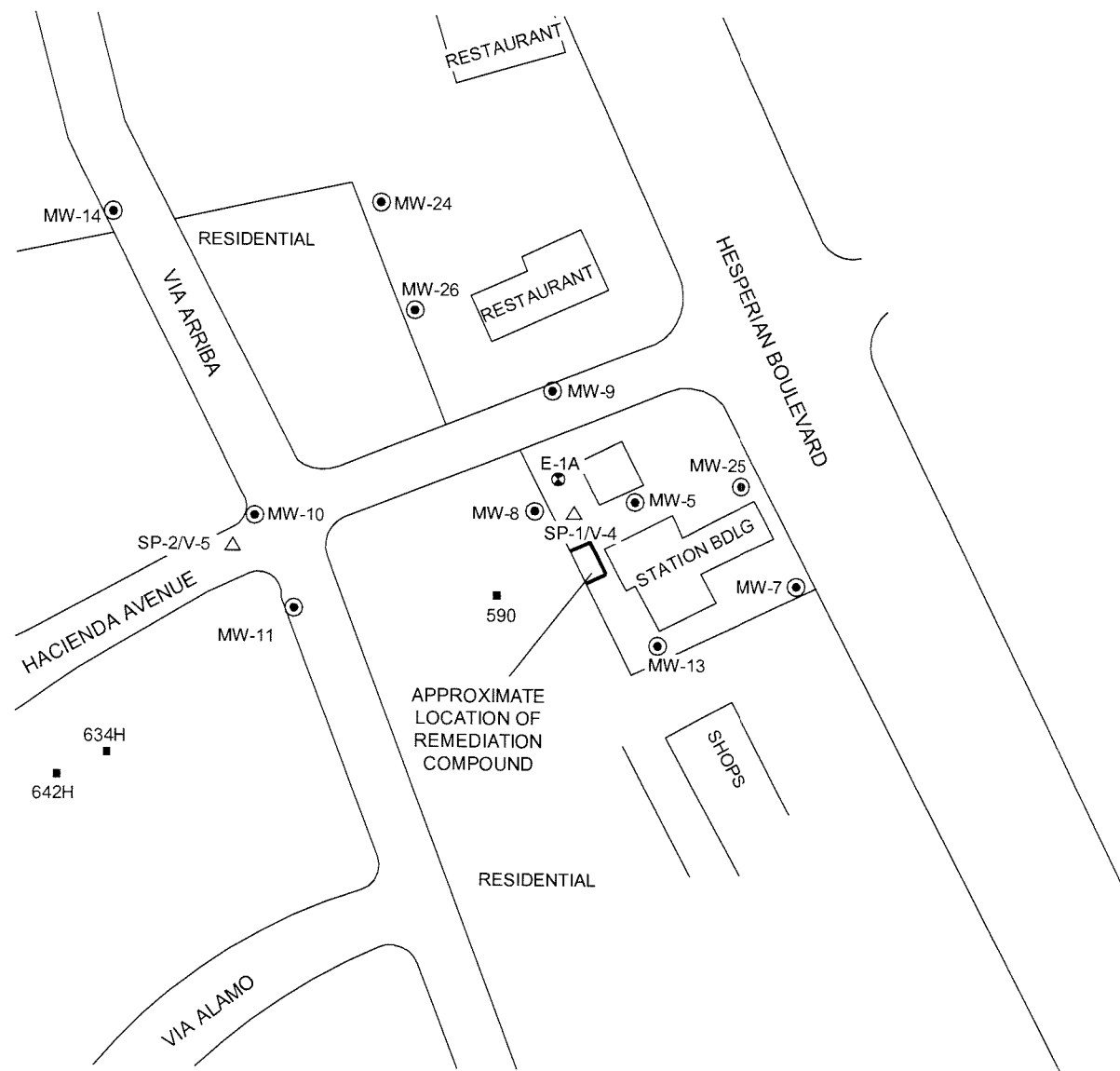
FIGURE

1

PROJECT NO.
 U608

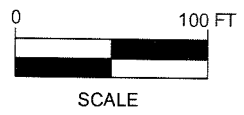
LEGEND

- GROUND-WATER MONITORING WELL
- △ DUAL COMPLETION AIR SPARGING/
SOIL VAPOR EXTRACTION WELL
- ⊙ GROUND-WATER EXTRACTION WELL
- DOMESTIC IRRIGATION WELL



NOTE: SOURCE MAP RECIEVED FROM BROADBENT ASSOCIATES INC. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

STRATUS
ENVIRONMENTAL, INC.

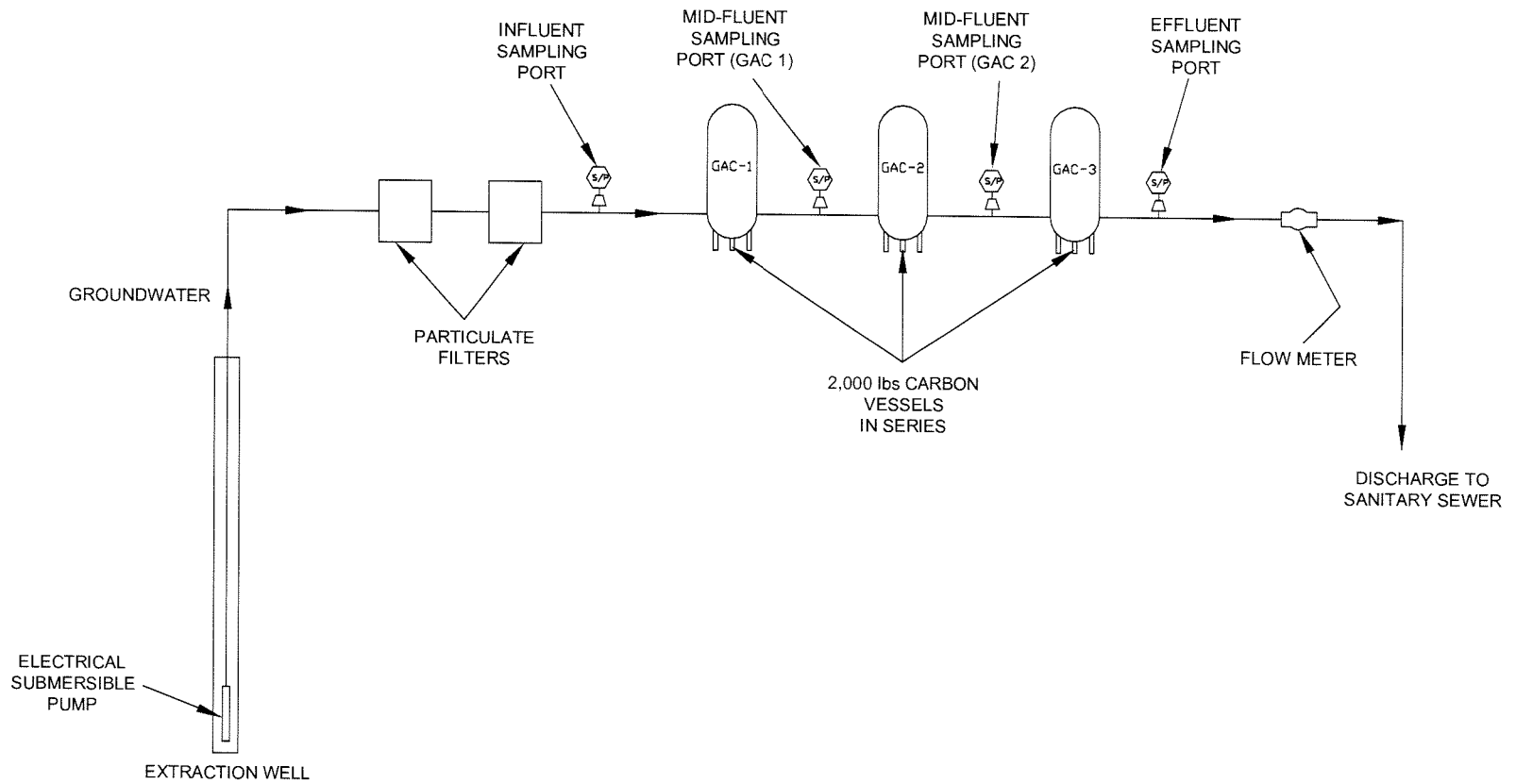


ARCO SERVICE STATION NO. 608
17601 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

SITE PLAN

FIGURE
2
PROJECT NO.
U608

ARCO 608 BX11Siteplan.dwg May 30, 2007 REV JMP



NOTE: THIS IS AN ILLUSTRATION ONLY. EQUIPMENT SIZES ARE NOT REPRESENTATIVE & SPECIFICATIONS ARE NOT INCLUDED.

STRATUS
ENVIRONMENTAL, INC.

ARCO SERVICE STATION NO. 608
17601 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

PROCESS FLOW DIAGRAM

FIGURE

3

PROJECT NO.
U608

APPENDIX A
FIELD DATA SHEETS

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
 Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

ORIGINAL

Date: 5-1-07 Technician: CHILL
 Onsite Time: 0737 Weather Conditions: clear
 Offsite Time: 0825 Ambient Temperature: 50
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: NA Operational Non-operational

Electric Meter Reading: 51378

Hour Meter Reading: 36683.4

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 22352.5

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	<u>5</u>	<u>3</u>	<u>4</u>	<u>4</u>

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent	<u>17.1</u>	<u>7.7</u>	<u>826</u>

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF	<u>5/1/07 0805</u>		
00608WGAC1	<u>0754</u>		
00608WGAC2	<u>0752</u>		
00608WEFF	<u>0750</u>		

Signature: 

Date: 5-1-07

ARCO FACILITY NO. 0602
 17601 Hesperian Boulevard
 San Lorenzo, California
 Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

ORIGINAL

Date: 5-15-07 Technician: CHILL
 Onsite Time: 0400 Weather Conditions: Clear/fog
 Offsite Time: 0455 Ambient Temperature: 50
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational

System Status Upon Departure: Operational Non-operational

Extraction Well Pump: Operational Non-operational

Transfer Pump: Operational NA Non-operational

Electric Meter Reading: 51314

Hour Meter Reading: 37018.0

Flow Totalizer Reading Before Carbon Treatment: _____

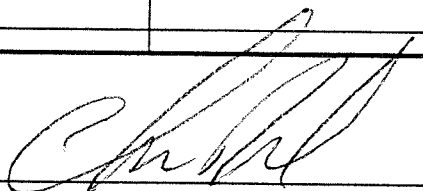
Flow Totalizer Reading After Carbon Treatment: 37628.9

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	<u>6</u>	<u>4</u>	<u>4</u>	<u>4</u>

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature: 

Date: 5/15/07

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
 Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

 ORIGINAL

Date: 5.29.07 Technician: CHILL
 Onsite Time: 0820 Weather Conditions: Clouds
 Offsite Time: 0900 Ambient Temperature: 48
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational

System Status Upon Departure: Operational Non-operational

Extraction Well Pump: Operational Non-operational

Transfer Pump: Operational NA Non-operational

Electric Meter Reading: 51348

Hour Meter Reading: 37355

Flow Totalizer Reading Before Carbon Treatment: NA

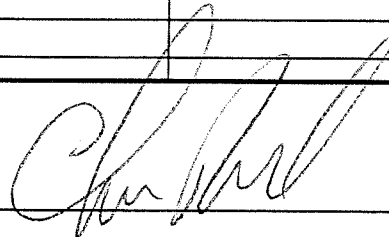
Flow Totalizer Reading After Carbon Treatment: ~~51253.0~~ 51253.0

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	5	3	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature: 

Date: 5-29-07

APPENDIX B

**CERTIFIED ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**

19 May, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQE0010

Enclosed are the results of analyses for samples received by the laboratory on 05/01/07 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQE0010-01	Water	05/01/07 08:05	05/01/07 10:30
00608WGAC1	MQE0010-02	Water	05/01/07 07:55	05/01/07 10:30
00608WGAC2	MQE0010-03	Water	05/01/07 07:52	05/01/07 10:30
00608WEFF	MQE0010-04	Water	05/01/07 07:50	05/01/07 10:30

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

These samples were received with no custody seals.

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQE0010-01) Water Sampled: 05/01/07 08:05 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01019	05/01/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	
00608WGAC1 (MQE0010-02) Water Sampled: 05/01/07 07:55 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01019	05/01/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		98 %	60-125		"	"	"	"	
00608WGAC2 (MQE0010-03) Water Sampled: 05/01/07 07:52 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01019	05/01/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	
00608WEFF (MQE0010-04) Water Sampled: 05/01/07 07:50 Received: 05/01/07 10:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7E01019	05/01/07	05/02/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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Volatile Organic Compounds by EPA Method 8260B
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

00608WINF (MQE0010-01) Water **Sampled: 05/01/07 08:05** **Received: 05/01/07 10:30**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01019	05/01/07	05/02/07	EPA 8260B		
Benzene	ND	0.50	"	"	"	"	"	"		
tert-Butyl alcohol	ND	20	"	"	"	"	"	"		
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"		
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"		
Ethylbenzene	ND	0.50	"	"	"	"	"	"		
Methyl tert-butyl ether	6.9	0.50	"	"	"	"	"	"		
Toluene	ND	0.50	"	"	"	"	"	"		
Xylenes (total)	ND	0.50	"	"	"	"	"	"		
<i>Surrogate: Dibromofluoromethane</i>		100 %		75-120	"	"	"	"		
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %		60-125	"	"	"	"		
<i>Surrogate: Toluene-d8</i>		96 %		80-120	"	"	"	"		
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %		60-135	"	"	"	"		

00608WGAC1 (MQE0010-02) Water **Sampled: 05/01/07 07:55** **Received: 05/01/07 10:30**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7E01019	05/01/07	05/02/07	EPA 8260B		
Benzene	ND	0.50	"	"	"	"	"	"		
tert-Butyl alcohol	ND	20	"	"	"	"	"	"		
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"		
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"		
Ethylbenzene	ND	0.50	"	"	"	"	"	"		
Methyl tert-butyl ether	6.0	0.50	"	"	"	"	"	"		
Toluene	ND	0.50	"	"	"	"	"	"		
Xylenes (total)	ND	0.50	"	"	"	"	"	"		
<i>Surrogate: Dibromofluoromethane</i>		99 %		75-120	"	"	"	"		
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98 %		60-125	"	"	"	"		
<i>Surrogate: Toluene-d8</i>		96 %		80-120	"	"	"	"		
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		60-135	"	"	"	"		

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
00608WGAC2 (MQE0010-03) Water Sampled: 05/01/07 07:52 Received: 05/01/07 10:30										
tert-Amyl methyl ether	ND	0.50		ug/l	1	7E01019	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	4.7	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %		60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %		80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94 %		60-135		"	"	"	"	
00608WEFF (MQE0010-04) Water Sampled: 05/01/07 07:50 Received: 05/01/07 10:30										
tert-Amyl methyl ether	ND	0.50		ug/l	1	7E01019	05/01/07	05/02/07	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %		75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %		60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %		80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %		60-135		"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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Conventional Chemistry Parameters by APHA/EPA Methods
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
00608WEFF (MQE0010-04) Water Sampled: 05/01/07 07:50 Received: 05/01/07 10:30										
Chemical Oxygen Demand	ND	30000		ug/l	1	7E15033	05/15/07	05/15/07	EPA 410.4	
Total Suspended Solids	ND	10000		"	"	7E02031	05/01/07	05/02/07	SM 2540D	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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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
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Batch 7E01019 - EPA 5030B P/T / LUFT GCMS

Blank (7E01019-BLK1)		Prepared & Analyzed: 05/01/07								
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.39		"	2.50		96	60-125			
Laboratory Control Sample (7E01019-BS2)		Prepared & Analyzed: 05/01/07								
Gasoline Range Organics (C4-C12)	421	50	ug/l	500		84	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.44		"	2.50		98	60-125			
Laboratory Control Sample Dup (7E01019-BSD2)		Prepared & Analyzed: 05/01/07								
Gasoline Range Organics (C4-C12)	396	50	ug/l	500		79	65-120	6	20	
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-125			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

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
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Batch 7E01019 - EPA 5030B P/T / EPA 8260B

Blank (7E01019-BLK1)

Prepared & Analyzed: 05/01/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.41		"	2.50		96	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.39		"	2.50		96	60-125			
<i>Surrogate: Toluene-d8</i>	2.43		"	2.50		97	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.34		"	2.50		94	60-135			

Laboratory Control Sample (7E01019-BS1)

Prepared & Analyzed: 05/01/07

tert-Amyl methyl ether	11.5	0.50	ug/l	10.0		115	65-135			
Benzene	10.3	0.50	"	10.0		103	75-120			
tert-Butyl alcohol	196	20	"	200		98	60-135			
Di-isopropyl ether	10.8	0.50	"	10.0		108	70-130			
Ethyl tert-butyl ether	10.7	0.50	"	10.0		107	65-130			
Ethylbenzene	10.8	0.50	"	10.0		108	75-120			
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	50-140			
Toluene	10.7	0.50	"	10.0		107	75-120			
Xylenes (total)	32.1	0.50	"	30.0		107	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.55		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.50		"	2.50		100	60-125			
<i>Surrogate: Toluene-d8</i>	2.37		"	2.50		95	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.48		"	2.50		99	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

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
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Batch 7E01019 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7E01019-MS1)	Source: MQD1102-05			Prepared & Analyzed: 05/01/07						
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135			
Benzene	9.71	0.50	"	10.0	ND	97	75-120			
tert-Butyl alcohol	190	20	"	200	ND	95	60-135			GR
Di-isopropyl ether	9.86	0.50	"	10.0	ND	99	70-130			
Ethyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	65-130			
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-120			
Methyl tert-butyl ether	11.8	0.50	"	10.0	0.72	111	50-140			
Toluene	10.1	0.50	"	10.0	ND	101	75-120			
Xylenes (total)	30.4	0.50	"	30.0	ND	101	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.76		"	2.50		110	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.57		"	2.50		103	60-125			
<i>Surrogate: Toluene-d8</i>	2.58		"	2.50		103	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.70		"	2.50		108	60-135			

Matrix Spike Dup (7E01019-MSD1)	Source: MQD1102-05			Prepared: 05/01/07 Analyzed: 05/02/07						
tert-Amyl methyl ether	10.5	0.50	ug/l	10.0	ND	105	65-135	8	25	
Benzene	9.47	0.50	"	10.0	ND	95	75-120	3	20	
tert-Butyl alcohol	179	20	"	200	ND	90	60-135	6	25	GR
Di-isopropyl ether	9.47	0.50	"	10.0	ND	95	70-130	4	25	
Ethyl tert-butyl ether	10.0	0.50	"	10.0	ND	100	65-130	6	25	
Ethylbenzene	9.96	0.50	"	10.0	ND	100	75-120	4	20	
Methyl tert-butyl ether	11.1	0.50	"	10.0	0.72	104	50-140	6	25	
Toluene	9.66	0.50	"	10.0	ND	97	75-120	4	25	
Xylenes (total)	29.4	0.50	"	30.0	ND	98	75-120	3	20	
<i>Surrogate: Dibromofluoromethane</i>	2.66		"	2.50		106	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.49		"	2.50		100	60-125			
<i>Surrogate: Toluene-d8</i>	2.52		"	2.50		101	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.60		"	2.50		104	60-135			

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQE0010 Reported: 05/19/07 17:14
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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7E15033 - General Preparation / EPA 410.4

Blank (7E15033-BLK1)		Prepared & Analyzed: 05/15/07								
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7E15033-BS1)		Prepared & Analyzed: 05/15/07								
Chemical Oxygen Demand	105000	30000	ug/l	100000		105	80-130			
Matrix Spike (7E15033-MS1)		Source: MQE0144-01		Prepared & Analyzed: 05/15/07						
Chemical Oxygen Demand	154000	30000	ug/l	100000	32000	122	80-130			
Matrix Spike Dup (7E15033-MSD1)		Source: MQE0144-01		Prepared & Analyzed: 05/15/07						
Chemical Oxygen Demand	142000	30000	ug/l	100000	32000	110	80-130	8	20	

Batch 7E02031 - General Preparation / SM 2540D

Blank (7E02031-BLK1)		Prepared: 05/01/07 Analyzed: 05/02/07								
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7E02031-DUP1)		Source: MQE0014-01		Prepared: 05/01/07 Analyzed: 05/02/07						
Total Suspended Solids	ND	10000	ug/l		ND				20	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQE0010
Reported:
05/19/07 17:14

Notes and Definitions

GR Internal standard recovery is outside method recovery limit
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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco 608
REC. BY (PRINT) A.M.
WORKORDER: MAE0010

DATE REC'D AT LAB: 5/1/07
TIME REC'D AT LAB: 10:30
DATE LOGGED IN: 5/1/07

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / <input checked="" type="radio"/> Absent Intact / Broken*		CO608WJNF	600A	HCl	—	L	5/1/07	
2. Chain-of-Custody	<input checked="" type="radio"/> Present / Absent*		↓ WJAL1	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List:	Present / <input checked="" type="radio"/> Absent		↓ WJAE2	↓	↓	↓	↓	↓	
4. Airbill:	Airbill / Sticker Present / <input checked="" type="radio"/> Absent		↓ WEFF	4 VOA Amber 2 (600ml) Poly	H ₂ SO ₄	↓	↓	↓	
5. Airbill #:	_____								
6. Sample Labels:	<input checked="" type="radio"/> Present / Absent								
7. Sample IDs:	<input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody								
8. Sample Condition:	<input checked="" type="radio"/> Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	<input checked="" type="radio"/> Yes / No*								
10. Sample received within hold time?	<input checked="" type="radio"/> Yes / No*								
11. Adequate sample volume received?	<input checked="" type="radio"/> Yes / No*								
12. Proper preservatives used?	<input checked="" type="radio"/> Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / <input checked="" type="radio"/> No*								
14. Read Temp: _____ Corrected Temp: _____ Is corrected temp 4 +/- 2°C? Yes / <input checked="" type="radio"/> No*									

5/2/07 A.M.

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

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



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

July 5, 2007

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

Re: Remediation System Operation and Maintenance Data Package, ARCO Service Station
No. 608, located at 17601 Hesperian Boulevard, San Lorenzo, California

General Information

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

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

On-Site Supplier Representative: Chris Hill

System Overview: Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

Number of Site Visits: 2 (June 4 and June 26, 2007)

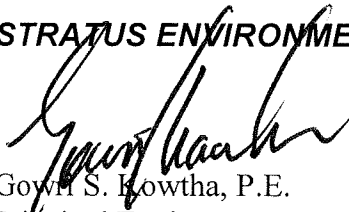
Scope of Work Performed: Conduct routine operation and maintenance and record system measurements. System samples were collected on June 4, 2007.

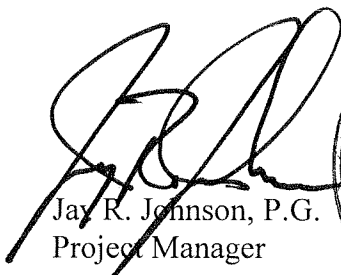
Findings and Notes: Since MTBE was reported in the mid-fluent water samples at 6.7 µg/L (GAC 1) and 4.7 µg/L (GAC 2) collected on June 4, 2007, a carbon change-out will be conducted during July 2007.


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.


Gowri S. Gowtha, P.E.
Principal 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. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

 ORIGINAL

Date: 6407 Technician: PHILL
 Onsite Time: 0757 Weather Conditions: Cloud
 Offsite Time: 0835 Ambient Temperature: 48
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: Operational NA Non-operational

Electric Meter Reading: 51362
 Hour Meter Reading: 37499.6

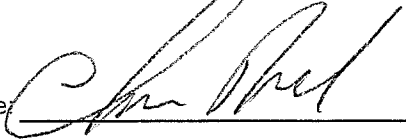
Flow Totalizer Reading Before Carbon Treatment: NA
 Flow Totalizer Reading After Carbon Treatment: 56605.8

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	5	3	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent	19.0	7.5	826

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF	6407 0757		
00608WGAC1	0755		
00608WGAC2	0818		
00608WEFF	0746	TBL056407	0800

Signature:  Date: 6-4-07

Chain of Custody Record

RUSH

Project Name: ARCO Facility No. 608
 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: <u>0757</u>	Temp: <u>48</u>
Off-site Time: <u>0835</u>	Temp: <u>50</u>
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd., San Lorenzo, CA</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
Morgan Hill, CA 95937	Site Lat/Long:	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T0600100085</u>	Consultant/Contractor Project No.: <u>E608-03</u>
Tele/Fax: <u>408-782-8156/408-782-6308</u>	Enfos Project No.: <u>G0C24-0017</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or OOC (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>03-O&M</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shayes@stratusinc.net</u>
Tele/Fax: <u>925-275-3506/925-275-3815</u>	Cost Element: <u>Subcontractor Cost</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Turnaround Time			Sample Point Lat/Long and Comments		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	5-Oxygenates	TSS	COD	24-hours	Standard				
1	00608WINF	0752	6/4/07	x				6						x	x	x								5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA. The 24-hour TAT rush on 00608EFF is only for GRO, BTEX, and 5-Oxys.TSS and COD are to be analyzed on a STD. TAT.
2	00608WGAC1	0755		x				6						x	x	x								
3	00608WGAC2	0818		x				6						x	x	x								
4	00608WEFF	0746		x				10		x				x	x	x	x	x						
5																								
6	TB6086407	0800	6/4/07	x				2															Hold	
7																								
8																								
9																								
10																								

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>Chris Hill Stratus</u>	Date: <u>6/4/07</u>	Time: <u>10:40</u>	Accepted By / Affiliation: <u>Jay Johnson TAMH</u>	Date: <u>6/4/07</u>	Time: <u>10:40</u>
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>6/4/07</u>						
Shipment Method: <u>Stratus</u>						
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: 15 °F(C) | Trip Blank: Yes (No) | MS/MSD Sample Submitted: Yes (No)

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

 ORIGINAL

Date: 62607 Technician: CHILL
 Onsite Time: 0750 Weather Conditions: Clear
 Offsite Time: 0830 Ambient Temperature: 70
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: Operational Non-operational

Electric Meter Reading: 61416
 Hour Meter Reading: 38027.3

Flow Totalizer Reading Before Carbon Treatment: _____

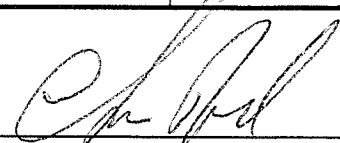
Flow Totalizer Reading After Carbon Treatment: 77395.9

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	3	3	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature: 

Date: 62607

20 June, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQF0041

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

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQF0041-01	Water	06/04/07 07:52	06/04/07 10:40
00608WGAC1	MQF0041-02	Water	06/04/07 07:55	06/04/07 10:40
00608WGAC2	MQF0041-03	Water	06/04/07 08:18	06/04/07 10:40
00608WEFF	MQF0041-04	Water	06/04/07 07:46	06/04/07 10:40
TB6086407	MQF0041-05	Water	06/04/07 08:00	06/04/07 10:40

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies. These samples were received with no custody seals.

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQF0041-01) Water Sampled: 06/04/07 07:52 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		98 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		95 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		98 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86 %	60-135		"	"	"	"	
00608WGAC1 (MQF0041-02) Water Sampled: 06/04/07 07:55 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		103 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		94 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		93 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87 %	60-135		"	"	"	"	
00608WGAC2 (MQF0041-03) Water Sampled: 06/04/07 08:18 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		98 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		99 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		93 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90 %	60-135		"	"	"	"	
00608WEFF (MQF0041-04) Water Sampled: 06/04/07 07:46 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F04005	06/04/07	06/04/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		94 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		88 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88 %	60-135		"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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00608WINF (MQF0041-01) Water Sampled: 06/04/07 07:52 Received: 06/04/07 10:40

tert-Amyl methyl ether	ND	0.50	ug/l	1	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	7.1	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86 %		60-135	"	"	"	"	

00608WGAC1 (MQF0041-02) Water Sampled: 06/04/07 07:55 Received: 06/04/07 10:40

tert-Amyl methyl ether	ND	0.50	ug/l	1	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	6.7	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87 %		60-135	"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WGAC2 (MQF0041-03) Water Sampled: 06/04/07 08:18 Received: 06/04/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	4.7	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %	60-135		"	"	"	"	
00608WEFF (MQF0041-04) Water Sampled: 06/04/07 07:46 Received: 06/04/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F04005	06/04/07	06/04/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		88 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88 %	60-135		"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQF0041 Reported: 06/20/07 17:24
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Conventional Chemistry Parameters by APHA/EPA Methods
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WEFF (MQF0041-04) Water Sampled: 06/04/07 07:46 Received: 06/04/07 10:40									
Chemical Oxygen Demand	ND	30000	ug/l	1	7F19028	06/18/07	06/20/07	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	7F06008	06/04/07	06/05/07	SM 2540D	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F04005 - EPA 5030B P/T / LUFT GCMS

Blank (7F04005-BLK1)

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.42		"	2.50		97	60-125			
Surrogate: Dibromofluoromethane	2.41		"	2.50		96	75-120			
Surrogate: Toluene-d8	2.35		"	2.50		94	80-120			
Surrogate: 4-Bromofluorobenzene	2.27		"	2.50		91	60-135			

Laboratory Control Sample (7F04005-BS2)

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	417	50	ug/l	500		83	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.31		"	2.50		92	60-125			
Surrogate: Dibromofluoromethane	2.25		"	2.50		90	75-120			
Surrogate: Toluene-d8	2.42		"	2.50		97	80-120			
Surrogate: 4-Bromofluorobenzene	2.42		"	2.50		97	60-135			

Laboratory Control Sample Dup (7F04005-BSD2)

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	417	50	ug/l	500		83	65-120	0.01	20	
Surrogate: 1,2-Dichloroethane-d4	2.35		"	2.50		94	60-125			
Surrogate: Dibromofluoromethane	2.42		"	2.50		97	75-120			
Surrogate: Toluene-d8	2.44		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.44		"	2.50		98	60-135			

Batch 7F06004 - EPA 5030B P/T / LUFT GCMS

Blank (7F06004-BLK1)

Prepared & Analyzed: 06/06/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.51		"	2.50		100	60-125			
Surrogate: Dibromofluoromethane	2.45		"	2.50		98	75-120			
Surrogate: Toluene-d8	2.37		"	2.50		95	80-120			
Surrogate: 4-Bromofluorobenzene	2.36		"	2.50		94	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F06004 - EPA 5030B P/T / LUFT GCMS

Laboratory Control Sample (7F06004-BS2)				Prepared & Analyzed: 06/06/07						
Gasoline Range Organics (C4-C12)	447	50	ug/l	500	89	65-120				
Surrogate: 1,2-Dichloroethane-d4	2.51		"	2.50	100	60-125				
Surrogate: Dibromofluoromethane	2.24		"	2.50	90	75-120				
Surrogate: Toluene-d8	2.47		"	2.50	99	80-120				
Surrogate: 4-Bromofluorobenzene	2.55		"	2.50	102	60-135				
Laboratory Control Sample Dup (7F06004-BSD2)				Prepared & Analyzed: 06/06/07						
Gasoline Range Organics (C4-C12)	436	50	ug/l	500	87	65-120	2	20		
Surrogate: 1,2-Dichloroethane-d4	2.53		"	2.50	101	60-125				
Surrogate: Dibromofluoromethane	2.58		"	2.50	103	75-120				
Surrogate: Toluene-d8	2.47		"	2.50	99	80-120				
Surrogate: 4-Bromofluorobenzene	2.58		"	2.50	103	60-135				

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F04005 - EPA 5030B P/T / EPA 8260B

Blank (7F04005-BLK1)

Prepared & Analyzed: 06/04/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.41		"	2.50		96	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-125			
<i>Surrogate: Toluene-d8</i>	2.35		"	2.50		94	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.27		"	2.50		91	60-135			

Laboratory Control Sample (7F04005-BS1)

Prepared & Analyzed: 06/04/07

tert-Amyl methyl ether	9.61	0.50	ug/l	10.0		96	65-135			
Benzene	9.71	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	199	20	"	200		100	60-135			
Di-isopropyl ether	9.55	0.50	"	10.0		96	70-130			
Ethyl tert-butyl ether	9.33	0.50	"	10.0		93	65-130			
Ethylbenzene	10.2	0.50	"	10.0		102	75-120			
Methyl tert-butyl ether	9.58	0.50	"	10.0		96	50-140			
Toluene	9.74	0.50	"	10.0		97	75-120			
Xylenes (total)	30.9	0.50	"	30.0		103	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.38		"	2.50		95	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.37		"	2.50		95	60-125			
<i>Surrogate: Toluene-d8</i>	2.48		"	2.50		99	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.45		"	2.50		98	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F04005 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7F04005-MS1)	Source: MQE1034-06			Prepared & Analyzed: 06/04/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	65-135			
Benzene	9.53	0.50	"	10.0	ND	95	75-120			
tert-Butyl alcohol	204	20	"	200	ND	102	60-135			
Di-isopropyl ether	9.98	0.50	"	10.0	ND	100	70-130			
Ethyl tert-butyl ether	9.76	0.50	"	10.0	ND	98	65-130			
Ethylbenzene	9.80	0.50	"	10.0	ND	98	75-120			
Methyl tert-butyl ether	9.93	0.50	"	10.0	ND	99	50-140			
Toluene	9.61	0.50	"	10.0	ND	96	75-120			
Xylenes (total)	30.3	0.50	"	30.0	ND	101	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.46		"	2.50		98	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.36		"	2.50		94	60-125			
<i>Surrogate: Toluene-d8</i>	2.38		"	2.50		95	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.49		"	2.50		100	60-135			

Matrix Spike Dup (7F04005-MSD1)	Source: MQE1034-06			Prepared & Analyzed: 06/04/07						
tert-Amyl methyl ether	9.79	0.50	ug/l	10.0	ND	98	65-135	3	25	
Benzene	9.62	0.50	"	10.0	ND	96	75-120	0.9	20	
tert-Butyl alcohol	200	20	"	200	ND	100	60-135	2	25	
Di-isopropyl ether	9.69	0.50	"	10.0	ND	97	70-130	3	25	
Ethyl tert-butyl ether	9.78	0.50	"	10.0	ND	98	65-130	0.2	25	
Ethylbenzene	9.74	0.50	"	10.0	ND	97	75-120	0.6	20	
Methyl tert-butyl ether	9.62	0.50	"	10.0	ND	96	50-140	3	25	
Toluene	9.64	0.50	"	10.0	ND	96	75-120	0.3	25	
Xylenes (total)	30.1	0.50	"	30.0	ND	100	75-120	0.7	20	
<i>Surrogate: Dibromofluoromethane</i>	2.47		"	2.50		99	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.30		"	2.50		92	60-125			
<i>Surrogate: Toluene-d8</i>	2.41		"	2.50		96	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.43		"	2.50		97	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F06004 - EPA 5030B P/T / EPA 8260B

Prepared & Analyzed: 06/06/07

Blank (7F06004-BLK1)

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	"							
<i>Surrogate: Dibromofluoromethane</i>	2.45		"	2.50		98	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.51		"	2.50		100	60-125			
<i>Surrogate: Toluene-d8</i>	2.37		"	2.50		95	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.36		"	2.50		94	60-135			

Laboratory Control Sample (7F06004-BS1)

Prepared & Analyzed: 06/06/07

tert-Amyl methyl ether	11.1	0.50	ug/l	10.0		111	65-135			
Benzene	10.8	0.50	"	10.0		108	75-120			
tert-Butyl alcohol	201	20	"	200		100	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0		111	70-130			
Ethyl tert-butyl ether	11.0	0.50	"	10.0		110	65-130			
Ethylbenzene	11.4	0.50	"	10.0		114	75-120			
Methyl tert-butyl ether	11.4	0.50	"	10.0		114	50-140			
Toluene	11.0	0.50	"	10.0		110	75-120			
Xylenes (total)	34.7	0.50	"	30.0		116	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.41		"	2.50		96	60-125			
<i>Surrogate: Toluene-d8</i>	2.34		"	2.50		94	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.58		"	2.50		103	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F06004 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7F06004-MS1)		Source: MQF0040-03		Prepared & Analyzed: 06/06/07							
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	65-135				
Benzene	9.78	0.50	"	10.0	ND	98	75-120				
tert-Butyl alcohol	497	20	"	200	293	102	60-135				
Di-isopropyl ether	10.0	0.50	"	10.0	ND	100	70-130				
Ethyl tert-butyl ether	9.87	0.50	"	10.0	ND	99	65-130				
Ethylbenzene	10.3	0.50	"	10.0	ND	103	75-120				
Methyl tert-butyl ether	26.4	0.50	"	10.0	17.4	90	50-140				
Toluene	9.98	0.50	"	10.0	ND	100	75-120				
Xylenes (total)	31.3	0.50	"	30.0	ND	104	75-120				
<i>Surrogate: Dibromofluoromethane</i>	2.54		"	2.50		102	75-120				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-125				
<i>Surrogate: Toluene-d8</i>	2.40		"	2.50		96	80-120				
<i>Surrogate: 4-Bromofluorobenzene</i>	2.38		"	2.50		95	60-135				
Matrix Spike Dup (7F06004-MSD1)		Source: MQF0040-03		Prepared & Analyzed: 06/06/07							
tert-Amyl methyl ether	11.1	0.50	ug/l	10.0	ND	111	65-135	10	25		
Benzene	9.96	0.50	"	10.0	ND	100	75-120	2	20		
tert-Butyl alcohol	499	20	"	200	293	103	60-135	0.3	25		
Di-isopropyl ether	10.4	0.50	"	10.0	ND	104	70-130	3	25		
Ethyl tert-butyl ether	10.2	0.50	"	10.0	ND	102	65-130	3	25		
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-120	1	20		
Methyl tert-butyl ether	27.2	0.50	"	10.0	17.4	98	50-140	3	25		
Toluene	10.1	0.50	"	10.0	ND	101	75-120	1	25		
Xylenes (total)	32.0	0.50	"	30.0	ND	107	75-120	2	20		
<i>Surrogate: Dibromofluoromethane</i>	2.55		"	2.50		102	75-120				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.34		"	2.50		94	60-125				
<i>Surrogate: Toluene-d8</i>	2.44		"	2.50		98	80-120				
<i>Surrogate: 4-Bromofluorobenzene</i>	2.51		"	2.50		100	60-135				

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7F19028 - General Preparation / EPA 410.4

Blank (7F19028-BLK1)		Prepared: 06/18/07 Analyzed: 06/19/07								
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7F19028-BS1)		Prepared: 06/18/07 Analyzed: 06/19/07								
Chemical Oxygen Demand	101000	30000	ug/l	100000		101	80-130			
Matrix Spike (7F19028-MS1)		Source: MQF0041-04 Prepared: 06/18/07 Analyzed: 06/19/07								
Chemical Oxygen Demand	94000	30000	ug/l	100000	ND	94	80-130			
Matrix Spike Dup (7F19028-MSD1)		Source: MQF0041-04 Prepared: 06/18/07 Analyzed: 06/19/07								
Chemical Oxygen Demand	87000	30000	ug/l	100000	ND	87	80-130	8	20	

Batch 7F06008 - General Preparation / SM 2540D

Blank (7F06008-BLK1)		Prepared: 06/04/07 Analyzed: 06/05/07								
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7F06008-DUP1)		Source: MQF0035-01 Prepared: 06/04/07 Analyzed: 06/05/07								
Total Suspended Solids	170000	10000	ug/l		156000			8	20	

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

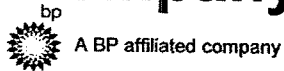
Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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



Chain of Custody Record

Project Name: ARCO Facility No. 608
 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

RUSH

On-site Time: <u>0757</u>	Temp: <u>48</u>
Off-site Time: <u>0835</u>	Temp: <u>50</u>
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd., San Lorenzo, CA</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
<u>Morgan Hill, CA 95937</u>	Site Lat/Long:	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T0600100085</u>	Consultant/Contractor Project No.: <u>E608-03</u>
Tele/Fax: <u>408-782-8156 / 408-782-6308</u>	Enfos Project No.: <u>G0C24-0017</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or OOC (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>03-O&M</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shayes@stratusinc.net</u>
Tele/Fax: <u>925-275-3506 / 925-275-3815</u>	Cost Element: <u>Subcontractor Cost</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Turnaround Time		Sample Point Lat/Long and Comments			
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	5-Oxygenates	TSS	COD	24-hours	Standard				
1	00608WINF	0757	6/4/07		x		MRF0041	6						x	x	x							5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA. The 24-hour TAT rush on 00608EFF is only for GRO, BTEX, and 5-Oxys. TSS and COD are to be analyzed on a STD. TAT.	
2	00608WGAC1	0757			x		02	6						x	x	x								
3	00608WGAC2	0818			x		03	6						x	x	x								
4	00608WEFF	0746			x		04	10		x				x	x	x	x	x	x					
5																								
6	136086407	0800	6/4		x		05	2																Hold
7																								
8																								
9																								
10																								

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>Chris Hill Stratus</u>	Date: <u>6/4/07</u>	Time: <u>10:40</u>	Accepted By / Affiliation: <u>William TAMH</u>	Date: <u>6/4/07</u>	Time: <u>10:40</u>
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>6/4/07</u>						
Shipment Method: <u>Stratus</u>						
Shipment Tracking No:						

Special Instructions: Please cc results to Bpedf@Broadbentinc.Com

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: STRATUS
 REC. BY (PRINT) PH
 WORKORDER: MQF004

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

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / <input checked="" type="radio"/> Absent Intact / Broken*	01	00608 WINF	(6) VOAS	HCl	-	W	6/4/07	
2. Chain-of-Custody	<input checked="" type="radio"/> Present / Absent*	02	GAC1	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List:	Present <input checked="" type="radio"/> Absent	03	GAC2	↓	↓	↓	↓	↓	
4. Airbill:	Airbill / Sticker Present / <input checked="" type="radio"/> Absent	04	EFF	↓	↓	↓	↓	↓	
5. Airbill #:				(3) VOAS AMB 500ML POLY	H ₂ SO ₄	↓	↓	↓	
6. Sample Labels:	<input checked="" type="radio"/> Present / Absent								
7. Sample IDs:	<input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody								
8. Sample Condition:	<input checked="" type="radio"/> Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	<input checked="" type="radio"/> Yes / No*								
10. Sample received within hold time?	<input checked="" type="radio"/> Yes / No*								
11. Adequate sample volume received?	<input checked="" type="radio"/> Yes / No*								
12. Proper preservatives used?	<input checked="" type="radio"/> Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	<input checked="" type="radio"/> Yes / No*								
14. Read Temp: <u>17°C</u> Corrected Temp: <u>15°C</u> Is corrected temp 4 +/-2°C? Yes / <input checked="" type="radio"/> No**									
<small>(Acceptance range for samples requiring thermal pres.)</small>									
**Exception (if any): METALS / <input checked="" type="radio"/> DFF ON ICE or Problem COC									

N/A
 6/4/07

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



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

July 9, 2007
Project No. E608-3

Mr. Jeff Carson
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Subject: Monthly Discharge Report – June 2007
Discharge Permit No. SPD-037B
ARCO Service Station No. 608
17601 Hesperian Boulevard
San Lorenzo, California 94580

Dear Mr. Carson:

Stratus Environmental, Inc. (Stratus) has prepared this monthly report of waste discharge on behalf of Atlantic Richfield Company (a BP Affiliated Company), for the groundwater extraction and treatment system (GWETS) operated at ARCO Service Station No. 608, 17601 Hesperian Boulevard, San Lorenzo, California (Figures 1 and 2). This report presents a summary of the GWET system's operational and performance data for reporting period of May 29, 2007 through June 26, 2007. The GWETS operational parameters for June 2007 are summarized below:

<i>Treatment System Status:</i>	Continuous operation
<i>Reporting Period:</i>	May 29, 2007 to June 26, 2007
<i>Volume Discharged This Period:</i>	26,143 gallons
<i>Average Flow Rate This Period:</i>	0.64 gallons per minute (gpm)
<i>Effluent pH Reading:</i>	7.50 on 06/04/07
<i>Analytical Report:</i>	See Appendix B

Discussion:

During June 2007, Stratus conducted two site visits (Appendix A) to verify system operation, conduct maintenance as warranted, and to collect influent, mid-fluent (GAC1 and GAC2), and effluent water sample. In accordance with OLSLD permit requirements, Stratus collected influent, mid-fluent (GAC1 and GAC2, Figure 3), and effluent water samples on June 4, 2007, and

forwarded them to TestAmerica Analytical Testing Corporation, a state-certified laboratory (ELAP #1210), for chemical analysis. The water samples were analyzed for gasoline range organics (GRO) by DHS LUFT Method, for benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary butyl alcohol (TBA) by United States Environmental Protection Agency (USEPA) Method 8260B. The effluent water sample was additionally analyzed for total suspended solids (TSS) by USEPA Method 160.2 and for chemical oxygen demand (COD) by EPA Method 1664A. Copies of analytical reports with chain-of-custody documentation are included in Appendix B.

Petroleum hydrocarbons, TSS, or COD were not reported in the effluent water sample collected on June 4, 2007. GRO and benzene were below laboratory reporting limits in the influent, mid-fluent (GAC1 and GAC2), and effluent water samples collected on June 4, 2007. MTBE was reported in the influent water sample collected on June 4, 2007, at a concentration of 7.1 µg/L. MTBE was also reported in the GAC1 and GAC2 water samples collected on June 4, 2007, at concentrations of 6.7 µg/L, and 4.7 µg/L, respectively.

Because MTBE was reported in the mid-fluent (GAC1 and GAC2) carbon vessels, a carbon change-out will be conducted on the carbon vessels during July 2007.

Between May 29, 2007 and June 26, 2007, approximately 26,143 gallons of groundwater were extracted, treated, and discharged to the sanitary sewer. Based on the totalizer and hour meter readings for the period of May 29, 2007 to June 26, 2007, the average groundwater extraction and treatment rate was estimated to be approximately 0.64 gpm.

CERTIFICATION

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

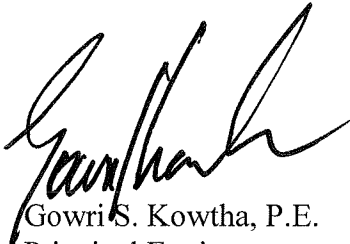
Mr. Jeff Carson, OLSD
Monthly Discharge Report –June 2007
ARCO Service Station No. 608, San Lorenzo

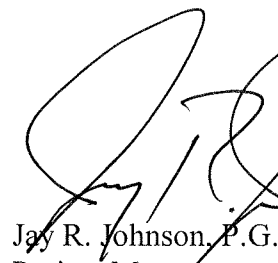
July 9, 2007
Project No. E608-03

If you have any questions regarding this report, please contact Jay Johnson at (530) 676-6000.

Sincerely,

STRATUS ENVIRONMENTAL, INC.


Gowri S. Kowtha, P.E.
Principal Engineer


Jay R. Johnson, P.G.
Project Manager



cc: Mr. Paul Supple, Atlantic Richfield Company
Mr. Chuck Headlee, Regional Water Quality Control Board
Mr. Rob Miller, Broadbent & Associates, Inc.

Attachment: Table 1 Groundwater Extraction Performance Data
Table 2 Treatment System Analytical Data
Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Process Flow Diagram
Appendix A Field Data Sheets
Appendix B Certified Analytical Reports and Chain-of-Custody Documentation

Table 1
Groundwater Extraction Performance Data
ARCO Service Station No. 608
17601 Hesperian Boulevard, San Lorenzo, CA

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
09/25/91		0	---	0	0	0.0	ND	---	0.00	---	0.000	0.00	---	---	---
09/26/91		---	---	1,144	1,144	---	38	0.00	0.00	4.8	0.000	0.00	---	---	---
10/22/91		26	95.9	12,844	11,700	7.6	ND	---	0.00	ND	0.000	0.00	---	---	---
11/22/91		77	93.1	52,532	39,688	13.0	ND	---	0.00	0.5	0.000	0.00	---	---	---
12/19/91		322	62.1	122,540	70,008	4.8	ND	---	0.00	ND	0.000	0.00	---	---	---
01/16/92		994	0.0	283,289	160,749	4.0	ND	---	0.00	ND	0.000	0.00	---	---	---
02/19/92		1,809	0.2	485,200	201,911	4.1	370	0.31	0.31	14.0	0.012	0.01	---	---	---
03/17/92		2,462	0.0	662,847	177,647	4.5	160	0.39	0.70	18.0	0.024	0.04	---	---	---
04/15/92		3,150	1.1	851,100	188,253	4.6	200	0.28	0.99	11.0	0.023	0.06	---	---	---
05/14/92		3,849	0.0	1,030,086	178,986	4.3	45	0.18	1.17	1.4	0.009	0.07	---	---	---
06/19/92		4,712	0.1	1,229,960	199,874	3.9	ND	---	1.17	ND	0.001	0.07	---	---	---
07/14/92		5,001	51.8	1,291,201	61,241	3.5	97	0.02	1.19	25.0	0.006	0.08	---	---	---
08/18/92		---	---	1,410,018	118,817	---	ND	---	1.19	ND	0.012	0.09	---	---	---
09/15/92		6,298	---	1,535,640	125,622	3.1	ND	---	1.19	ND	0.000	0.09	---	---	---
10/16/92		7,012	4.1	1,651,623	115,983	2.7	ND	---	1.19	ND	0.000	0.09	---	---	---
11/18/92		7,809	0.0	1,768,076	116,453	2.4	ND	---	1.19	ND	0.000	0.09	---	---	---
12/17/92		8,502	0.4	1,864,300	96,224	2.3	96	0.04	1.23	7.7	0.003	0.09	---	---	---
01/18/93		8,798	61.5	1,915,165	50,865	2.9	100	0.04	1.27	13.0	0.004	0.10	---	---	---
02/22/93		9,607	0.0	2,096,930	181,765	3.7	480	0.44	1.71	36.0	0.037	0.13	---	---	---
03/15/93		10,113	0.0	2,205,833	108,903	3.6	310	0.36	2.07	29.0	0.030	0.16	---	---	---
04/09/93		10,517	32.8	2,298,770	92,937	3.8	140	0.17	2.25	11.0	0.015	0.18	---	---	---
05/13/93		11,211	14.9	2,449,160	150,390	3.6	530	0.42	2.67	27.0	0.024	0.20	---	---	---
06/04/93		11,734	1.0	2,543,500	94,340	3.0	170	0.28	2.94	5.2	0.013	0.21	---	---	---
07/20/93		12,573	24.0	2,689,697	146,197	2.9	200	0.23	3.17	12.0	0.010	0.22	---	---	---
08/16/93		13,219	0.3	2,791,366	101,669	2.6	150	0.15	3.32	4.9	0.007	0.23	---	---	---
09/13/93		13,888	0.4	2,884,736	93,370	2.3	80	0.09	3.41	2.2	0.003	0.23	---	---	---
10/08/93		14,485	0.5	2,951,737	67,001	1.9	ND	0.02	3.43	ND	0.001	0.24	---	---	---
11/19/93		15,494	0.0	3,036,032	84,295	1.4	ND	0.00	3.43	ND	0.000	0.24	---	---	---
12/21/93		16,260	0.3	3,113,565	77,533	1.7	73	0.02	3.45	3.5	0.001	0.24	---	---	---
01/18/94		16,939	0.0	3,190,900	77,335	1.9	60	0.04	3.49	3.1	0.002	0.24	---	---	---
02/17/94		17,658	0.0	3,273,720	82,820	1.9	ND	0.02	3.51	2.5	0.002	0.24	---	---	---
03/15/94		18,235	7.5	3,344,249	70,529	2.0	ND	0.00	3.51	ND	0.001	0.24	---	---	---
04/21/94		18,849	30.8	3,418,537	74,288	2.0	110	0.03	3.55	7.8	0.002	0.24	---	---	---
05/13/94		19,351	5.1	3,478,910	60,373	2.0	230	0.09	3.63	8.3	0.004	0.25	---	---	---
06/14/94	a	19,680	57.1	3,518,608	39,698	2.0	230	0.08	3.71	12.0	0.003	0.25	---	---	---
07/14/94	b	20,145	35.4	3,574,408	55,800	2.0	270	0.12	3.83	6.9	0.004	0.26	---	---	---
08/17/94	c	20,920	5.0	51,260	91,580	2.0	ND	0.10	3.93	1.8	0.003	0.26	---	---	---
09/12/94		21,549	0.0	120,910	69,650	1.8	ND	0.00	3.93	ND	0.001	0.26	---	---	---

Table 1
Groundwater Extraction Performance Data
ARCO Service Station No. 608
17601 Hesperian Boulevard, San Lorenzo, CA

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
10/18/94		22,408	0.5	211,880	90,970	1.8	ND	0.00	3.93	ND	0.000	0.26	---	---	---
11/15/94		23,080	0.0	280,840	68,960	1.7	ND	0.00	3.93	0.7	0.000	0.26	---	---	---
12/05/94		23,489	14.8	325,830	44,990	1.8	470	0.09	4.02	32.0	0.006	0.27	---	---	---
01/04/95		24,205	0.6	408,740	82,910	1.9	ND	0.16	4.18	1.1	0.011	0.28	---	---	---
02/06/95		24,926	9.0	499,690	90,950	2.1	100	0.04	4.22	2.4	0.001	0.28	---	---	---
03/02/95		25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28	---	---	---
04/04/95		26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28	---	---	---
05/02/95		26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29	---	---	---
06/05/95		27,721	2.4	848,810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29	---	---	---
07/06/95		28,464	0.1	921,260	72,450	1.6	270	0.08	4.74	2.4	0.001	0.29	---	---	---
08/21/95	d	29,568	0.0	993,320	72,060	1.1	230	0.15	4.89	1.8	0.001	0.29	---	---	---
06/05/00	e	29,592	---	976,600	---	---	700	---	4.89	7.2	---	0.29	361.0	---	0.000
06/05/00		29,593	0.0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361.0	0.01	0.010
07/08/00		30,352	4.2	1,131,560	151,760	3.3	133	0.53	5.43	5.1	0.008	0.30	272.0	0.40	0.410
08/07/00		30,955	16.3	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126.0	0.16	0.570
09/08/00		31,528	25.4	1,306,300	78,060	2.3	261	0.13	5.68	2.7	0.002	0.30	120.0	0.08	0.651
10/10/00		32,230	8.6	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.694
11/07/00		32,880	3.3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.727
12/05/00		33,516	5.4	1,548,840	75,910	2.0	167	0.09	5.99	0.8	0.000	0.31	104.0	0.06	0.791
01/04/01		33,924	43.3	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.828
02/06/01		34,556	20.2	1,672,330	76,990	2.0	203	0.07	6.08	0.6	0.000	0.31	80.5	0.05	0.882
03/08/01		34,776	69.5	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.899
03/24/01	†	35,088	18.7	1,741,170	42,310	2.3	---	0.07	6.20	---	0.000	0.31	---	0.03	0.928
04/18/01		35,335	59.0	1,770,860	29,690	2.0	75	0.04	6.24	ND	0.000	0.31	97.5	0.02	0.950
05/04/01		35,716	0.0	1,812,690	41,830	1.8	63	0.02	6.26	ND	0.000	0.31	93.2	0.03	0.983
06/09/01		36,345	27.1	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	71.0	0.05	1.029
07/05/01	f	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430.0	0.04	1.066
08/14/01	f	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0.000	0.31	870.0	0.17	1.235
09/05/01		37,219	24.8	1,977,050	48,540	2.0	<100	0.06	6.42	<1.0	0.000	0.31	340.0	0.24	1.480
10/05/01		37,932	0.0	2,040,950	63,900	1.5	ND	0.00	6.42	ND	0.000	0.31	150.0	0.13	1.611
11/13/01		38,820	0.0	2,119,670	78,720	1.5	ND	0.00	6.42	ND	0.000	0.31	92.0	0.08	1.690
12/11/01		39,496	0.0	2,186,530	66,860	1.6	65	0.02	6.44	ND	0.000	0.31	83.0	0.05	1.739
01/04/02		40,063	0.0	2,248,700	62,170	1.8	<50	0.02	6.46	ND	0.000	0.31	140.0	0.06	1.797
02/05/02		40,830	0.2	2,333,090	84,390	1.8	100	0.04	6.49	ND	0.000	0.31	190.0	0.12	1.913
03/05/02		40,968	79.4	2,353,460	20,370	2.5	150	0.02	6.51	<1.2	0.000	0.31	350.0	0.05	1.959
04/08/02		41,735	6.0	2,448,360	94,900	2.1	400	0.22	6.73	9.6	0.004	0.31	260.0	0.24	2.200
05/16/02		42,642	0.6	2,499,320	50,960	0.9	310	0.15	6.88	<1.0	0.002	0.31	330.0	0.13	2.325
05/31/02		42,832	47.2	2,503,380	4,060	0.4	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
08/19/02	g	44,925	---	2,520,289	16,909	0.1	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325

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Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
10/03/02	g	44,956	---	2,520,582	293	0.2	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
10/07/02	g	44,956	---	2,522,394	1,812	---	160	0.00	6.89	<1.0	0.000	0.31	130.0	0.00	2.329
11/07/02	h	0	---	2,527,925	5,531	---	250	0.01	6.89	<1.0	0.000	0.31	210.0	0.01	2.337
12/05/02		479	28.7	2,528,113	188	0.0	220	0.00	6.89	<1.0	0.000	0.31	110.0	0.00	2.337
01/03/03		1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	<1.0	0.000	0.31	140.0	0.07	2.403
02/13/03		2,156	0.2	2,692,710	101,351	1.7	<250	0.07	7.07	<2.5	0.000	0.31	66.0	0.09	2.490
03/27/03		3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	<0.50	0.000	0.31	71.0	0.06	2.546
04/24/03		4,172	0.0	2,865,050	74,382	1.2	120	0.07	7.19	<0.50	0.000	0.31	56.0	0.04	2.585
05/30/03		4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	<5.0	0.000	0.31	<50	0.00	2.585
06/19/03		4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	<5.0	0.000	0.31	46.0	0.01	2.593
07/24/03		5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	<0.50	0.000	0.31	41.0	0.08	2.678
08/28/03		6,165	0.8	3,040,900	68,538	1.4	<50	0.01	7.39	<0.50	0.000	0.31	30.0	0.02	2.698
09/25/03		6,838	0.0	3,095,020	54,120	1.3	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.01	2.711
10/23/03		7,512	0.0	3,149,200	177,215	1.1	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.04	2.753
11/20/03		8,182	0.3	3,204,612	55,412	1.4	<50	0.00	7.39	<0.50	0.000	0.31	22.0	0.01	2.764
12/18/03		8,851	1.1	3,264,487	30,531	1.5	52	0.01	7.40	<0.50	0.000	0.31	27.0	0.00	2.770
01/08/04		9,356	1.0	3,312,485	47,998	1.6	--	0.00	7.40	--	0.000	0.31	--	0.00	2.770
01/22/04		9,690	0.7	3,344,994	32,509	1.6	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.774
02/19/04		10,357	1.6	3,410,457	32,947	1.7	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.00	2.781
03/18/04		11,030	0.0	3,480,800	70,343	1.7	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.02	2.796
04/07/04		11,509	0.2	3,524,179	43,379	1.5	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.01	2.806
04/22/04		11,869	0.0	3,552,144	27,965	1.3	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.811
05/19/04		12,522	0.0	3,607,015	54,871	1.4	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.819
06/16/04		13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	<0.50	0.000	0.31	20.0	0.01	2.829
07/22/04		14,050	1.4	3,736,245	71,651	1.4	<50	0.02	7.43	<0.50	0.000	0.31	15.0	0.01	2.839
08/26/04		14,890	0.0	3,803,030	66,785	1.3	<50	0.00	7.43	<0.50	0.000	0.31	23.0	0.01	2.850
09/16/04		15,394	0.0	3,832,211	29,181	1.0	<50	0.00	7.43	<0.50	0.000	0.31	18.0	0.00	2.855
10/21/04		16,235	0.0	3,891,299	59,088	1.2	<50	0.00	7.43	<0.50	0.000	0.31	17.0	0.01	2.863
11/18/04		16,908	0.0	3,942,990	51,691	1.3	<50	0.00	7.43	<0.50	0.000	0.31	14.0	0.01	2.870
12/16/04		17,579	0.2	3,994,185	51,195	1.3	<50	0.00	7.43	<0.50	0.000	0.31	15.0	0.01	2.876
01/19/05		18,396	0.0	4,063,710	69,525	1.4	84	0.02	7.46	<0.50	0.000	0.31	19	0.01	2.886
02/16/05	i	19,068	0.0	4,117,922	54,212	1.3	<50	0.02	7.48	<0.50	0.000	0.31	29	0.01	2.897
03/16/05	i	19,741	0.0	4,175,364	57,442	1.4	56	0.01	7.49	<0.50	0.000	0.31	21	0.01	2.909
04/20/05		20,578	0.3	4,244,807	69,443	1.4	<50	0.02	7.50	<0.50	0.000	0.31	19	0.01	2.921
05/18/05		21,057	28.8	4,279,950	35,143	1.2	82	0.01	7.52	<0.50	0.000	0.31	16	0.01	2.926
06/15/05		21,728	0.1	4,325,824	45,874	1.1	<50	0.02	7.53	<0.50	0.000	0.31	15	0.01	2.932

Table 1
Groundwater Extraction Performance Data
ARCO Service Station No. 608
17601 Hesperian Boulevard, San Lorenzo, CA

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE		
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
07/26/05		22,468	24.8	4,369,300	43,476	1.0	<50	0.00	7.53	<0.50	0.000	0.31	13	0.01	2.937
08/25/05		23,184	0.6	4,407,082	37,782	0.9	<50	0.00	7.53	---	0.000	0.31	9.8	0.004	2.940
09/20/05		23,812	0.0	4,436,511	29,429	0.8	<50	0.00	7.53	<0.50	0.000	0.31	8.2	0.002	2.942
10/18/05		24,483	0.2	4,465,577	29,066	0.7	<50	0.00	7.53	<0.50	0.000	0.31	9.2	0.002	2.945
11/16/05		25,178	0.1	4,495,190	29,613	0.7	<50	0.00	7.53	<0.50	0.000	0.31	15	0.003	2.948
12/13/05		25,825	0.2	4,523,250	28,060	0.7	<50	0.00	7.53	<0.50	0.000	0.31	11	0.003	2.951
01/12/06		26,546	0.0	4,562,040	38,790	0.9	<50	0.00	7.53	<0.50	0.000	0.31	16	0.004	2.955
02/08/06		27,195	0.0	4,595,860	33,820	0.9	60	0.01	7.54	<0.50	0.000	0.31	15	0.004	2.959
03/06/06		27,816	0.5	4,621,920	26,060	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.003	2.963
04/03/06		28,489	0.0	4,651,630	29,710	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.004	2.967
05/02/06		NA	NA	4,686,187	34,557	--	<50	0.00	7.54	<0.50	0.000	0.31	--	0.000	2.967
06/13/06		30,189	0.54	4,694,809	8,622	0.1	<50	0.00	7.54	<0.50	0.000	0.31	15	0.001	2.967
06/27/06		30,524	0.3	4,697,476	2,667	---	---	---	---	---	---	---	---	---	---
07/17/06		31,006	0.0	4,706,984	9,508	0.3	<50	0.00	7.54	<0.50	0.000	0.31	5.7	0.000	2.968
08/09/06		31,556	0.4	4,719,605	12,621	0.4	<50	0.00	7.54	<0.50	0.000	0.31	4.6	0.001	2.968
09/12/06		32,371	0.1	4,731,489	11,884	0.2	<50	0.00	7.54	<0.50	0.000	0.31	2.9	0.000	2.968
09/27/06		32,731	0.0	4,732,102	613	0.03	---	---	---	---	---	---	---	---	---
10/09/06		33,014	1.7	4,732,140	38	0.00	<50	0.00	7.54	<0.50	0.000	0.31	3.3	0.000	2.968
10/26/06		33,426	0.0	4,732,179	39	0.00	---	---	---	---	---	---	---	---	---
11/10/06		33,784	3.3	4,732,180	1	0.00	<50	0.00	7.54	<0.50	0.000	0.31	6.6	0.000	2.968
11/29/06		34,237	0.0	4,732,186	6	0.00	---	---	---	---	---	---	---	---	---
12/05/06	j	34,379	5.3	4,732,186	0	0.00	---	---	---	---	---	---	---	---	---
01/02/07	k	34,380.0	99.9	4,732,190	4	0.11	<50	0.00	7.54	<0.50	0.000	0.31	1.4	0.000	2.968
01/12/07	l	34,380.0	100.0	4,732,200	10	---	---	---	---	---	---	---	---	---	---
01/24/07	m	34,669.6	0.0	4,732,220	20	0.00	---	---	---	---	---	---	---	---	---
01/29/07		NM	---	4,737,810	5,590	---	---	---	---	---	---	---	---	---	---
02/05/07		34,960	0.0	4,742,700	4,890	0.60	70	0.01	7.55	<0.50	0.000	0.31	7.1	0.000	2.968
02/20/07		35,316	1.0	4,751,030	8,330	0.39	---	---	---	---	---	---	---	---	---
03/05/07		35,631	0.7	4,756,760	5,730	0.30	87	0.01	7.56	<0.50	0.000	0.31	5.8	0.001	2.969
03/12/07	n	35,795	2.0	4,759,580	2,820	0.29	---	---	---	---	---	---	---	---	---
03/19/07		35,968	3.0	4,762,270	2,690	0.26	---	---	---	---	---	---	---	---	---
03/28/07	o	36,178	2.8	4,762,980	710	0.06	---	---	---	---	---	---	---	---	---
03/30/07	p	36,178	100.0	4,762,980	0	---	---	---	---	---	---	---	---	---	---

**Table 1
Groundwater Extraction Performance Data
ARCO Service Station No. 608
17601 Hesperian Boulevard, San Lorenzo, CA**

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	GRO/TPH-g				Benzene			MTBE			
						Average Flow (gpm)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concentration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	
04/02/07	q	NM	---	4,762,980	0	---	---	---	---	---	---	---	---	---	---	---
04/10/07	r	36,178	0.0	4,762,985	5	---	---	---	---	---	---	---	---	---	---	---
04/16/07	s	36,323.8	1.3	6,538.48	6,538.48	0.75	<50	0.00	7.56	<0.50	0.000	0.31	6.5	0.001	2.970	
05/01/07		36,683.4	0.1	22,352.50	15,814.02	0.73	<50	<0.007	7.56	<0.50	<0.0001	0.31	6.9	0.001	2.971	
05/15/07		37,018.0	0.4	37,628.90	15,276.40	0.76	---	---	---	---	---	---	---	---	---	---
05/29/07		37,355.0	0.3	51,253.00	13,624.10	0.67	---	---	---	---	---	---	---	---	---	---
06/04/07		37,499.6	0.4	56,605.80	5,352.80	0.62	<50	<0.002	7.56	<0.50	0.000	0.31	7.1	0.000	2.971	
06/26/07		38,027.3	0.1	77,395.90	20,790.10	0.66	---	---	---	---	---	---	---	---	---	---

REPORTING PERIOD:	05/29/07 to 06/26/07		
CUMULATIVE GALLONS EXTRACTED:	8,836,531		
PERIOD GALLONS EXTRACTED:	26,143		
TOTAL POUNDS REMOVED:		7.56	
TOTAL GALLONS REMOVED:		1.24	0.31
AVERAGE PERIOD (5/29/07 to 6/26/07) FLOW RATE (gpm):	0.64		
PERIOD (5/29/07 to 6/26/07) PERCENT OPERATIONAL:	100.0%		
PERIOD POUNDS REMOVED:		NA	0.48
PERIOD GALLONS REMOVED:		NA	NA

Table 1
Groundwater Extraction Performance Data
ARCO Service Station No. 608
17601 Hesperian Boulevard, San Lorenzo, CA

SYMBOLS AND ABBREVIATIONS:

- gpm = Gallons per minute
- GRO = Gasoline range organics, C4 to C12 range
- MTBE = Methyl tert-butyl ether
- µg/L = Micrograms per liter
- ND = Not detected at or above the laboratory reporting limit
- TPH-g = Total purgeable petroleum hydrocarbons as gasoline
- = Not available/applicable/sampled
- < = Not detected at or above the laboratory reporting limit
- † = Assume same concentration as prior sampling event
- NA = Not applicable

Densities: Gasoline = 6.1 lbs/gallon; Benzene = 7.34 lbs/gallon; MTBE = 6.18 lbs/gallon (MTBE not quantified prior to 6/5/00)

Footnotes:

- a. Totalizer broken; volume estimated from hourmeter and flow rate.
- b. Volume estimated from hourmeter and instantaneous flow rate.
- c. Sewer totalizer replaced July 28, 1994; volume discharged estimated at 40,320 gallons for the period between July 14 and 28, 1994 at 2.0 gpm.
- d. GWE system temporarily shut down August 21, 1995.
- e. GWE system restarted June 5, 2000.
- f. System down during construction to main sewer line from approx. 6/25/01; restarted 8/14/01.
- g. Hour meter reading not functioning.
- h. Hour meter replaced.
- i. Quantity of unknown hydrocarbons in sample based on gasoline.
- j. The GWE system was shutdown on December 5, 2006, pending change of operator information on the sewer discharge permit.
- k. The GWE system was shutdown after collecting samples on January 2, 2007, pending receipt and verification of analytical results
- l. GWE system re-started after receipt and verification of effluent results for samples collected on January 2, 2007.
- m. GWE system found to be non-operating and was likely shutdown due to clogging of particulate filter. Replaced filter bags and re-started.
- n. Filter bags replaced.
- o. GWE system shutdown for carbon changeout.
- p. GWE system re-started after carbon changeout.
- q. The flow totalizer was observed to be non-functioning upon arrival at site. The system was shutdown pending replacement of totalizer.
- r. GWE system re-started after replacing totalizer. Starting reading of new totalizer = 0.00.
- s. Volume estimated from the initial and final readings of new totalizer

Equations: Net Dissolved Concentration Removed [pounds] = Average influent concentration, [µg/L] x net volume (gallon) x conversion factor [µg to kg] x conversion factor [L to pounds]; (Net dissolved concentration removed is calculated by averaging influent concentrations)

Notes:

The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning Fourth Quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Table 2
Treatment System Analytical Data

ARCO Service Station No. 608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon)										
09/26/91	38	4.8	0.6	1.6	1.1	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	0.52	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	370	14	0.34	14	2.4	---	---	---	---	---
03/17/92	160	18	0.32	0.56	1.6	---	---	---	---	---
04/15/92	200	11	<0.30	7.3	0.77	---	---	---	---	---
05/14/92	45	1.4	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	97	25	<0.50	8.5	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	96	7.7	13	0.56	9.7	---	---	---	---	---
01/18/93	100	13	6.6	1.1	11	---	---	---	---	---
02/22/93	480	36	29	4.9	96	---	---	---	---	---
03/15/93	310	29	14	4.9	55	---	---	---	---	---
04/09/93	140	11	2.8	2.6	17	---	---	---	---	---
05/13/93	530	27	12	18	96	---	---	---	---	---
06/04/93	170	5.2	1.6	2.5	23	---	---	---	---	---
07/20/93	200	12	0.91	8.2	29	---	---	---	---	---
08/16/93	150	4.9	0.63	2.9	15	---	---	---	---	---
09/13/93	80	2.2	<0.50	<0.50	4.8	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	73	3.5	<0.50	1.9	8.4	---	---	---	---	---
01/18/94	60	3.1	<0.50	3.2	4.3	---	---	---	---	---
02/17/94	<50	2.5	<0.50	2.1	3.1	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	110	7.8	<1.0	9.6	<1.0	---	---	---	---	---
05/13/94	230	8.3	<0.50	14	6	---	---	---	---	---
06/14/94	230	12	<0.50	16	1.5	---	---	---	---	---
07/14/94	270	6.9	<0.50	15	1.9	---	---	---	---	---
08/18/94	<50	1.8	<0.50	1.5	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	0.66	<0.50	2.6	<0.50	---	---	---	---	---
12/05/94	470	32	0.59	29	6.2	---	---	---	---	---
01/04/95	<50	1.1	<0.50	1.4	<0.50	---	---	---	---	---
02/06/95	100	2.4	1.1	1.2	2.8	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
04/04/95	290	6.6	<0.50	10	1.7	---	---	---	---	---
05/02/95	240	7.1	<0.50	3.2	1.6	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	270	2.4	<0.50	7.6	1	---	---	---	---	---
08/21/95	230	1.8	<0.50	1.6	0.92	---	---	---	---	---
06/05/00	700	7.24	<1.0	2.11	<1.0	361	---	---	---	---
07/08/00	133	5.09	0.598	<0.50	<0.50	272	---	---	---	---
08/10/00	144	2.8	<0.50	1.04	<0.50	126	---	---	---	---
09/08/00	261	2.74	0.826	0.626	<0.50	120	---	---	---	---
10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5	---	---	---	---
11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6	---	---	---	---
12/05/00	167	0.775	<0.50	<0.50	<0.50	104	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8	---	---	---	---
02/06/01	203	0.572	<0.50	0.513	<0.50	80.5	---	---	---	---
03/08/01	219	<0.50	6.16	1.21	0.682	81	---	---	---	---
04/18/01	74.5	<0.50	<0.50	<0.50	<0.50	97.5	---	---	---	---
05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2	---	---	---	---
06/09/01	64	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
07/05/01	100	<0.50	2.5	<0.50	<0.50	430	---	---	---	---
08/14/01	290	2.2	3.5	<1.0	<1.0	870	---	---	---	---
09/05/01	<100	<1.0	<1.0	<1.0	<1.0	340	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	150	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	92	---	---	---	---
12/11/01	65	<0.50	0.58	<0.50	<0.50	83	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	140	---	---	---	---
02/05/02	100	<0.50	<0.50	<0.50	<0.50	190	---	---	---	---
03/05/02	150	<1.2	<1.2	<1.2	<1.2	350	---	---	---	---
04/08/02	400	9.6	<1.0	1.4	<1.0	260	---	---	---	---
05/16/02	310	<1.0	<1.0	<1.0	<1.0	330	---	---	---	---
10/07/02	160	4.1	<1.0	<1.0	<1.0	130	---	---	---	---
11/07/02	250	<0.50	10	0.7	0.77	210	---	---	---	---
12/05/02	220	<1.0	<1.0	<1.0	<1.0	110	---	---	---	---
01/03/03	170	<1.0	<1.0	<1.0	<1.0	140	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	66	---	---	---	---
3/27/03 ¹	110	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
4/24/03 ¹	120	<0.50	<0.50	<0.50	<0.50	56	---	---	---	---
5/30/03 ¹	20	<0.50	<0.50	<0.50	<0.50	<50	---	---	---	---
06/19/03	160	<0.50	<0.50	<0.50	<0.50	46	---	---	---	---
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47) ²	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40) ²	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28) ²	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (continued)										
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22	---	---	---	---
12/18/03	52	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	29	---	---	---	---
03/16/05	56 ³	<0.50	<0.50	<0.50	<1.0	21	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/18/05	82 ³	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	9.8	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	9.2	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	11	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
02/08/06	60	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
04/03/06	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	15	---	---	---	---
07/17/06	<50	<0.50	0.58	<0.50	<0.50	5.7	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	2.9	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	6.6	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	1.4	NS	<10	NM	NM
02/05/07	70	<0.50	<0.50	<0.50	<0.50	7.1	NS	NS	NM	NM
03/05/07	87	<0.50	<0.50	<0.50	<0.50	5.8	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	6.5	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	6.9	NS	NS	NM	NM
06/04/07	<50	<0.50	<0.50	<0.50	<0.50	7.1	NS	NS	NM	NM

Table 2
Treatment System Analytical Data

ARCO Service Station No. 608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	---	---	---	---	---	---	---	---	---	---
08/18/92	---	---	---	---	---	---	---	---	---	---
09/15/92	---	---	---	---	---	---	---	---	---	---
10/16/92	---	---	---	---	---	---	---	---	---	---
11/18/92	---	---	---	---	---	---	---	---	---	---
12/17/92	---	---	---	---	---	---	---	---	---	---
01/18/93	---	---	---	---	---	---	---	---	---	---
02/22/93	---	---	---	---	---	---	---	---	---	---
03/15/93	---	---	---	---	---	---	---	---	---	---
04/09/93	---	---	---	---	---	---	---	---	---	---
05/13/93	---	---	---	---	---	---	---	---	---	---
06/04/93	---	---	---	---	---	---	---	---	---	---
07/14/94	ND	ND	ND	ND	ND	---	---	---	---	---
08/17/94	---	---	---	---	---	---	---	---	---	---
09/12/94	---	---	---	---	---	---	---	---	---	---
10/18/94	---	---	---	---	---	---	---	---	---	---
11/05/94	---	---	---	---	---	---	---	---	---	---
12/05/94	---	---	---	---	---	---	---	---	---	---
01/04/95	---	---	---	---	---	---	---	---	---	---
02/06/95	---	---	---	---	---	---	---	---	---	---
03/02/95	---	---	---	---	---	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons) (continued)										
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	130	---	---	---	---
3/27/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	120	---	---	---	---
4/24/03 ¹	280	<2.5	<2.5	<2.5	<2.5	110	---	---	---	---
5/30/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	140	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (1.3) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons) (continued)										
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	2.4	---	---	---	---
05/18/05	58 ³	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/08/06	55	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
04/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	4.3	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	6.0	NS	NS	NM	NM
06/04/07	<50	<0.50	<0.50	<0.50	<0.50	6.7	NS	NS	NM	NM

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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons)										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	---	---	---	---	---	---	---	---	---	---
09/08/00	---	---	---	---	---	---	---	---	---	---
10/10/00	---	---	---	---	---	---	---	---	---	---
11/07/00	---	---	---	---	---	---	---	---	---	---
12/05/00	---	---	---	---	---	---	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1	---	---	---	---
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.94	---	---	---	---
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---

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Treatment System Analytical Data
 ARCO Service Station No. 608
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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons) continued										
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/18/04	86	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
02/08/06	66	<0.50	<0.50	<0.50	<1.0	3.3	---	---	---	---
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	3.0	---	---	---	---
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	2.6	---	---	---	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	4.3	---	---	---	---
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.4	---	---	---	---
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	5.2	---	---	---	---
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6	---	---	---	---
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	---	---	---	---
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	2.1	NS	NS	NM	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	4.5	NS	NS	NM	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	4.2	NS	NS	NM	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	6.3	NS	NS	NM	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	4.7	NS	NS	NM	NM
06/04/07	<50	<0.50	<0.50	<0.50	<0.50	4.7	NS	NS	NM	NM

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/09/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/04/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/20/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/16/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

Table 2
Treatment System Analytical Data
 ARCO Service Station No. 608
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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
05/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/21/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	7.19	---
06/12/00	<50	---	---	---	---	---	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.25	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.24	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	55	<10	6.89	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)	<20	<10	6.82	3.45
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	0.94

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 San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (continued)										
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.61	2.35
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.59	36.6 ⁴
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.3	2.93
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	7.2	15.0 ⁴
02/08/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	6.82	3.02
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	<0.50	<30	<10	6.87	1.12
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	0.80	<30	<10	6.78	---
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	---	<30	<10	7.58	4.45
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.66	4.28
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.24	3.47
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.32	7.26
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.39	5.24
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.54	5.25
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.03	--
01/02/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.86	NM
02/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.79	NM
03/05/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.31	NM
04/16/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.8	NM
05/01/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.7	NM
06/04/07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.5	NM

Table 2
Treatment System Analytical Data
ARCO Service Station #608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

SYMBOLS AND ABBREVIATIONS:

---	=Not applicable/available/sampled
<	=Not detected at or above the laboratory reporting limit.
COD	=Chemical oxygen demand
DO	=Dissolved Oxygen, field measurement
GRO	=Gasoline Range Organics
µg/L	=Micrograms per liter
mg/L	=Milligrams per liter
MTBE	=Methyl tert-Butyl Ether
ND	=Not detected at or above the laboratory reporting limit
TPH-g	=Total purgeable petroleum hydrocarbons as gasoline
TSS	=Total suspended solids
NS	=Not sampled
NM	=Not measured

FOOTNOTES:

1 = Analyzed with EPA Method 8260

2 = MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).

3 = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

4 = Value appears to be anomalous.

5 = Possible high bias due to CCV falling outside acceptance criteria

NOTES:

GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

GRO analyzed by DHS/LUFT Method, and BTEX & MTBE analyzed by EPA Method 8260B beginning January 2, 2007.

The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

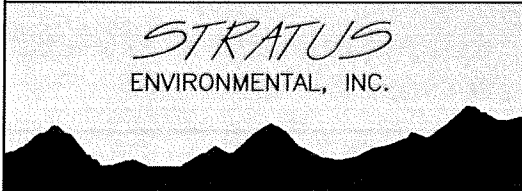
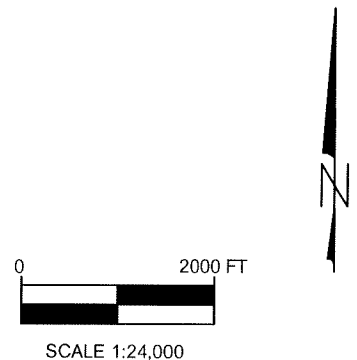
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.



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

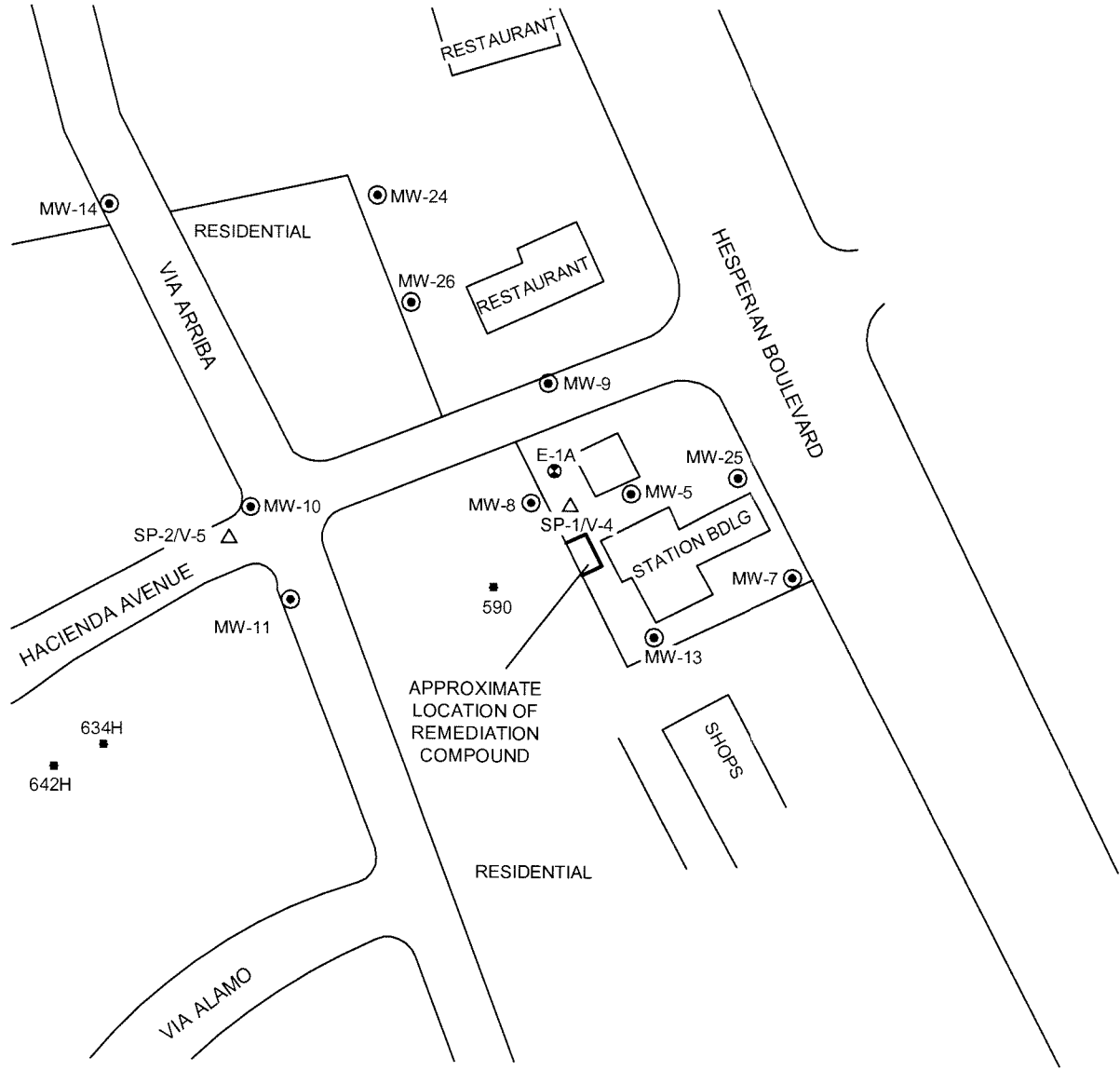


QUADRANGLE LOCATION



ARCO SERVICE STATION NO. 608
 17601 HESPERIAN BOULEVARD
 SAN LORENZO, CALIFORNIA
 SITE LOCATION MAP

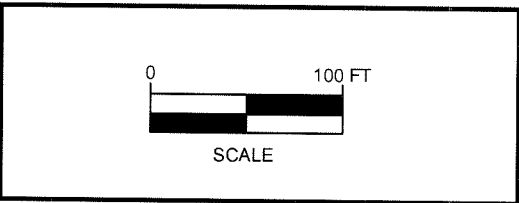
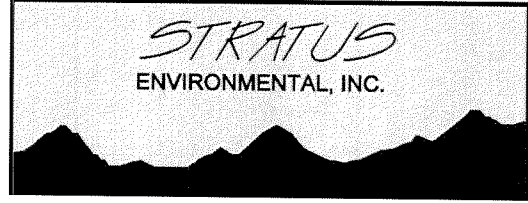
FIGURE
 1
 PROJECT NO.
 U608



LEGEND

- GROUND-WATER MONITORING WELL
- △ DUAL COMPLETION AIR SPARGING/
SOIL VAPOR EXTRACTION WELL
- ⊙ GROUND-WATER EXTRACTION WELL
- DOMESTIC IRRIGATION WELL

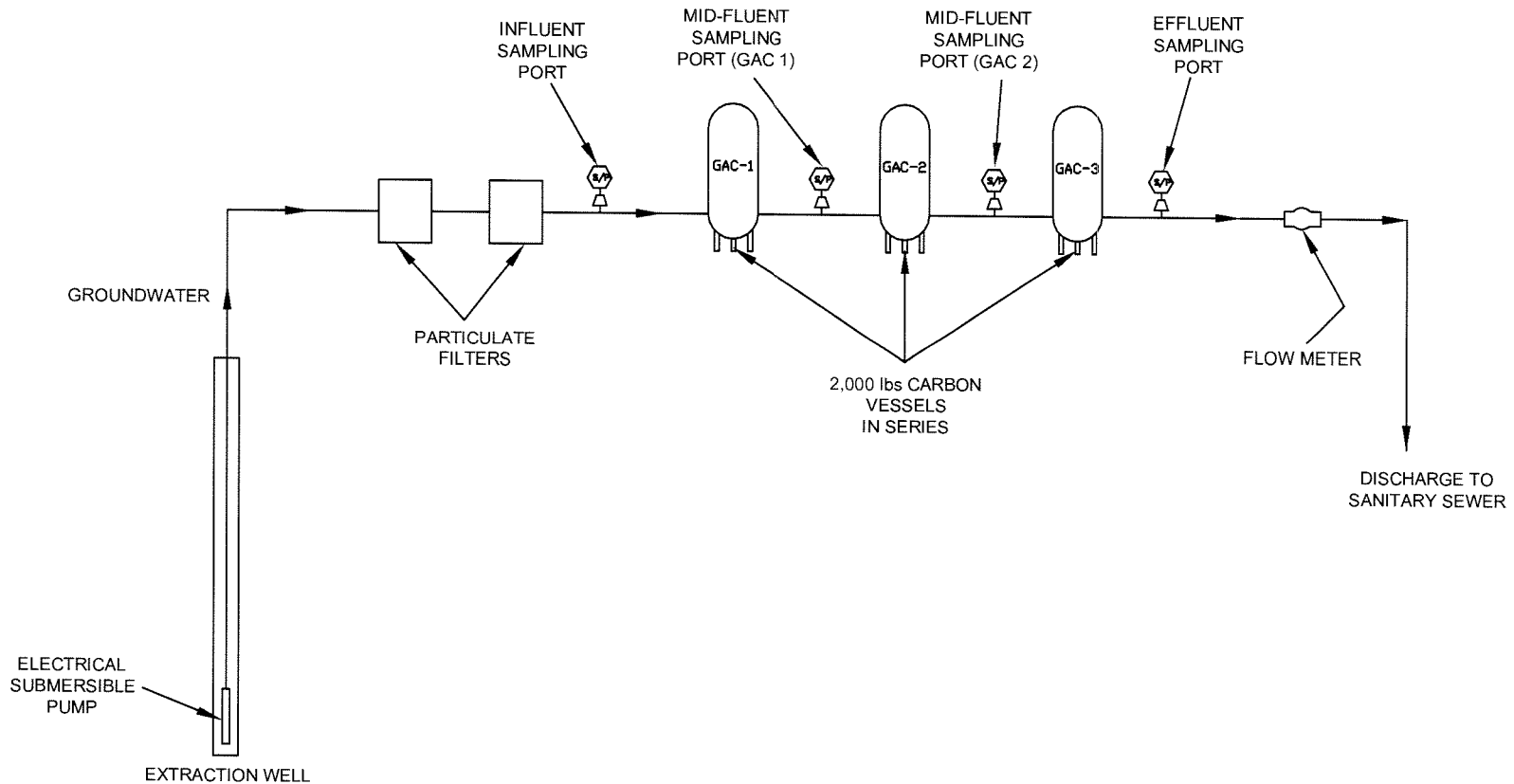
NOTE: SOURCE MAP RECIEVED FROM BROADBENT ASSOCIATES INC. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



ARCO SERVICE STATION NO. 608
17601 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

SITE PLAN

FIGURE
2
PROJECT NO.
U608



NOTE: THIS IS AN ILLUSTRATION ONLY. EQUIPMENT SIZES ARE NOT REPRESENTATIVE & SPECIFICATIONS ARE NOT INCLUDED.

STRATUS
ENVIRONMENTAL, INC.

ARCO SERVICE STATION NO. 608
17601 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

PROCESS FLOW DIAGRAM

FIGURE

3

PROJECT NO.
U608

APPENDIX A
FIELD DATA SHEETS

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

ORIGINAL

Date: 6407 Technician: PHILL
 Onsite Time: 0757 Weather Conditions: Cloud
 Offsite Time: 0835 Ambient Temperature: 48
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational

System Status Upon Departure: Operational Non-operational

Extraction Well Pump: Operational Non-operational

Transfer Pump: Operational NA Non-operational

Electric Meter Reading: 51362

Hour Meter Reading: 37499.6

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 56605.8

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	5	3	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent	19.0	7.5	826

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF	6407 0757		
00608WGAC1	0755		
00608WGAC2	0818		
00608WEFF	0746	TBW86407	0800

Signature:

Date: 6407

ARCO FACILITY NO. 0608
 17601 Hesperian Boulevard
 San Lorenzo, California
Groundwater Extraction and Treatment System
 (Frequency of Site Visits = 2 per month)

 **ORIGINAL**

Date: 62607 Technician: CHILL
 Onsite Time: 0750 Weather Conditions: Clear
 Offsite Time: 0830 Ambient Temperature: 70
 Equipment Information/Model#: One 3-inch Dia. Extraction Well with Grundfos Pump and Three 2,400-pounds Carbon Vessels.

System Status Upon Arrival: Operational Non-operational
 System Status Upon Departure: Operational Non-operational
 Extraction Well Pump: Operational Non-operational
 Transfer Pump: Operational Non-operational

Electric Meter Reading: 61416
 Hour Meter Reading: 38027.3

Flow Totalizer Reading Before Carbon Treatment: _____

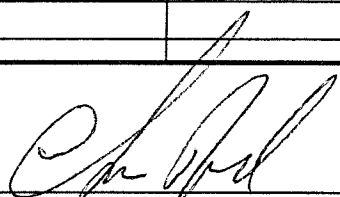
Flow Totalizer Reading After Carbon Treatment: 77395.9

No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

	Particulate Filter	Vessel 1	Vessel 2	Vessel 3
Inlet Pressure, psig	3	3	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°F	units	msiemens
Effluent			

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF			
00608WGAC1			
00608WGAC2			
00608WEFF			

Signature: 

Date: 62607

APPENDIX B

**CERTIFIED ANALYTICAL REPORTS
AND CHAIN-OF-CUSTODY DOCUMENTATION**

20 June, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQF0041

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

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQF0041 Reported: 06/20/07 17:24
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQF0041-01	Water	06/04/07 07:52	06/04/07 10:40
00608WGAC1	MQF0041-02	Water	06/04/07 07:55	06/04/07 10:40
00608WGAC2	MQF0041-03	Water	06/04/07 08:18	06/04/07 10:40
00608WEFF	MQF0041-04	Water	06/04/07 07:46	06/04/07 10:40
TB6086407	MQF0041-05	Water	06/04/07 08:00	06/04/07 10:40

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

These samples were received with no custody seals.

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQF0041-01) Water Sampled: 06/04/07 07:52 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		98 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		95 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		98 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86 %	60-135		"	"	"	"	
00608WGAC1 (MQF0041-02) Water Sampled: 06/04/07 07:55 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		103 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		94 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		93 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87 %	60-135		"	"	"	"	
00608WGAC2 (MQF0041-03) Water Sampled: 06/04/07 08:18 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F06004	06/05/07	06/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		98 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		99 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		93 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90 %	60-135		"	"	"	"	
00608WEFF (MQF0041-04) Water Sampled: 06/04/07 07:46 Received: 06/04/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7F04005	06/04/07	06/04/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		94 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		88 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88 %	60-135		"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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00608WINF (MQF0041-01) Water Sampled: 06/04/07 07:52 Received: 06/04/07 10:40

tert-Amyl methyl ether	ND	0.50	ug/l	1	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	7.1	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86 %	60-135		"	"	"	"	

00608WGAC1 (MQF0041-02) Water Sampled: 06/04/07 07:55 Received: 06/04/07 10:40

tert-Amyl methyl ether	ND	0.50	ug/l	1	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	6.7	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		87 %	60-135		"	"	"	"	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WGAC2 (MQF0041-03) Water Sampled: 06/04/07 08:18 Received: 06/04/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F06004	06/05/07	06/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	4.7	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %		60-135	"	"	"	"	
00608WEFF (MQF0041-04) Water Sampled: 06/04/07 07:46 Received: 06/04/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7F04005	06/04/07	06/04/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		88 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		88 %		60-135	"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQF0041 Reported: 06/20/07 17:24
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Conventional Chemistry Parameters by APHA/EPA Methods
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WEFF (MQF0041-04) Water Sampled: 06/04/07 07:46 Received: 06/04/07 10:40									
Chemical Oxygen Demand	ND	30000	ug/l	1	7F19028	06/18/07	06/20/07	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	7F06008	06/04/07	06/05/07	SM 2540D	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F04005 - EPA 5030B P/T / LUFT GCMS

Blank (7F04005-BLK1)

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.42		"	2.50		97	60-125			
Surrogate: Dibromofluoromethane	2.41		"	2.50		96	75-120			
Surrogate: Toluene-d8	2.35		"	2.50		94	80-120			
Surrogate: 4-Bromofluorobenzene	2.27		"	2.50		91	60-135			

Laboratory Control Sample (7F04005-BS2)

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	417	50	ug/l	500		83	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.31		"	2.50		92	60-125			
Surrogate: Dibromofluoromethane	2.25		"	2.50		90	75-120			
Surrogate: Toluene-d8	2.42		"	2.50		97	80-120			
Surrogate: 4-Bromofluorobenzene	2.42		"	2.50		97	60-135			

Laboratory Control Sample Dup (7F04005-BSD2)

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	417	50	ug/l	500		83	65-120	0.01	20	
Surrogate: 1,2-Dichloroethane-d4	2.35		"	2.50		94	60-125			
Surrogate: Dibromofluoromethane	2.42		"	2.50		97	75-120			
Surrogate: Toluene-d8	2.44		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.44		"	2.50		98	60-135			

Batch 7F06004 - EPA 5030B P/T / LUFT GCMS

Blank (7F06004-BLK1)

Prepared & Analyzed: 06/06/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.51		"	2.50		100	60-125			
Surrogate: Dibromofluoromethane	2.45		"	2.50		98	75-120			
Surrogate: Toluene-d8	2.37		"	2.50		95	80-120			
Surrogate: 4-Bromofluorobenzene	2.36		"	2.50		94	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F06004 - EPA 5030B P/T / LUFT GCMS

Laboratory Control Sample (7F06004-BS2)

Prepared & Analyzed: 06/06/07

Gasoline Range Organics (C4-C12)	447	50	ug/l	500		89	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.51		"	2.50		100	60-125			
Surrogate: Dibromofluoromethane	2.24		"	2.50		90	75-120			
Surrogate: Toluene-d8	2.47		"	2.50		99	80-120			
Surrogate: 4-Bromofluorobenzene	2.55		"	2.50		102	60-135			

Laboratory Control Sample Dup (7F06004-BSD2)

Prepared & Analyzed: 06/06/07

Gasoline Range Organics (C4-C12)	436	50	ug/l	500		87	65-120	2	20	
Surrogate: 1,2-Dichloroethane-d4	2.53		"	2.50		101	60-125			
Surrogate: Dibromofluoromethane	2.58		"	2.50		103	75-120			
Surrogate: Toluene-d8	2.47		"	2.50		99	80-120			
Surrogate: 4-Bromofluorobenzene	2.58		"	2.50		103	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F04005 - EPA 5030B P/T / EPA 8260B

Blank (7F04005-BLK1)

Prepared & Analyzed: 06/04/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.41		"	2.50		96	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-125			
<i>Surrogate: Toluene-d8</i>	2.35		"	2.50		94	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.27		"	2.50		91	60-135			

Laboratory Control Sample (7F04005-BS1)

Prepared & Analyzed: 06/04/07

tert-Amyl methyl ether	9.61	0.50	ug/l	10.0		96	65-135			
Benzene	9.71	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	199	20	"	200		100	60-135			
Di-isopropyl ether	9.55	0.50	"	10.0		96	70-130			
Ethyl tert-butyl ether	9.33	0.50	"	10.0		93	65-130			
Ethylbenzene	10.2	0.50	"	10.0		102	75-120			
Methyl tert-butyl ether	9.58	0.50	"	10.0		96	50-140			
Toluene	9.74	0.50	"	10.0		97	75-120			
Xylenes (total)	30.9	0.50	"	30.0		103	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.38		"	2.50		95	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.37		"	2.50		95	60-125			
<i>Surrogate: Toluene-d8</i>	2.48		"	2.50		99	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.45		"	2.50		98	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F04005 - EPA 5030B P/T / EPA 8260B

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

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0017 Project Manager: Jay Johnson	MQF0041 Reported: 06/20/07 17:24
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7F06004 - EPA 5030B P/T / EPA 8260B

Blank (7F06004-BLK1)

Prepared & Analyzed: 06/06/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.45		"	2.50		98	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.51		"	2.50		100	60-125			
<i>Surrogate: Toluene-d8</i>	2.37		"	2.50		95	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.36		"	2.50		94	60-135			

Laboratory Control Sample (7F06004-BS1)

Prepared & Analyzed: 06/06/07

tert-Amyl methyl ether	11.1	0.50	ug/l	10.0		111	65-135			
Benzene	10.8	0.50	"	10.0		108	75-120			
tert-Butyl alcohol	201	20	"	200		100	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0		111	70-130			
Ethyl tert-butyl ether	11.0	0.50	"	10.0		110	65-130			
Ethylbenzene	11.4	0.50	"	10.0		114	75-120			
Methyl tert-butyl ether	11.4	0.50	"	10.0		114	50-140			
Toluene	11.0	0.50	"	10.0		110	75-120			
Xylenes (total)	34.7	0.50	"	30.0		116	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.41		"	2.50		96	60-125			
<i>Surrogate: Toluene-d8</i>	2.34		"	2.50		94	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.58		"	2.50		103	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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
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Batch 7F06004 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7F06004-MS1)		Source: MQF0040-03			Prepared & Analyzed: 06/06/07					
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	ND	101	65-135			
Benzene	9.78	0.50	"	10.0	ND	98	75-120			
tert-Butyl alcohol	497	20	"	200	293	102	60-135			
Di-isopropyl ether	10.0	0.50	"	10.0	ND	100	70-130			
Ethyl tert-butyl ether	9.87	0.50	"	10.0	ND	99	65-130			
Ethylbenzene	10.3	0.50	"	10.0	ND	103	75-120			
Methyl tert-butyl ether	26.4	0.50	"	10.0	17.4	90	50-140			
Toluene	9.98	0.50	"	10.0	ND	100	75-120			
Xylenes (total)	31.3	0.50	"	30.0	ND	104	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.54		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-125			
<i>Surrogate: Toluene-d8</i>	2.40		"	2.50		96	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.38		"	2.50		95	60-135			
Matrix Spike Dup (7F06004-MSD1)		Source: MQF0040-03			Prepared & Analyzed: 06/06/07					
tert-Amyl methyl ether	11.1	0.50	ug/l	10.0	ND	111	65-135	10	25	
Benzene	9.96	0.50	"	10.0	ND	100	75-120	2	20	
tert-Butyl alcohol	499	20	"	200	293	103	60-135	0.3	25	
Di-isopropyl ether	10.4	0.50	"	10.0	ND	104	70-130	3	25	
Ethyl tert-butyl ether	10.2	0.50	"	10.0	ND	102	65-130	3	25	
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-120	1	20	
Methyl tert-butyl ether	27.2	0.50	"	10.0	17.4	98	50-140	3	25	
Toluene	10.1	0.50	"	10.0	ND	101	75-120	1	25	
Xylenes (total)	32.0	0.50	"	30.0	ND	107	75-120	2	20	
<i>Surrogate: Dibromofluoromethane</i>	2.55		"	2.50		102	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.34		"	2.50		94	60-125			
<i>Surrogate: Toluene-d8</i>	2.44		"	2.50		98	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.51		"	2.50		100	60-135			

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7F19028 - General Preparation / EPA 410.4

Blank (7F19028-BLK1)				Prepared: 06/18/07 Analyzed: 06/19/07						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7F19028-BS1)				Prepared: 06/18/07 Analyzed: 06/19/07						
Chemical Oxygen Demand	101000	30000	ug/l	100000		101	80-130			
Matrix Spike (7F19028-MS1)				Prepared: 06/18/07 Analyzed: 06/19/07						
Chemical Oxygen Demand	94000	30000	ug/l	100000	ND	94	80-130			
Matrix Spike Dup (7F19028-MSD1)				Prepared: 06/18/07 Analyzed: 06/19/07						
Chemical Oxygen Demand	87000	30000	ug/l	100000	ND	87	80-130	8	20	

Batch 7F06008 - General Preparation / SM 2540D

Blank (7F06008-BLK1)				Prepared: 06/04/07 Analyzed: 06/05/07						
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7F06008-DUP1)				Prepared: 06/04/07 Analyzed: 06/05/07						
Total Suspended Solids	170000	10000	ug/l		156000			8	20	

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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQF0041
Reported:
06/20/07 17:24

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

Project Name: ARCO Facility No. 608
 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

RUSH

On-site Time: 0757	Temp: 48
Off-site Time: 0835	Temp: 50
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica	BP/AR Facility No.: 608	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive Morgan Hill, CA 95937	BP/AR Facility Address: 17601 Hesperian Blvd., San Lorenzo, CA	Address: 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682
Lab PM: Lisa Race	Site Lat/Long:	Consultant/Contractor Project No.: E608-03
Tele/Fax: 408-782-8156/408-782-6308	California Global ID No.: T0600100085	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Enfos Project No.: G0C24-0017	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150 San Ramon, CA	Provision or OOC (circle one) Provision	Report Type & QC Level: Level 1 with EDF
Tele/Fax: 925-275-3506/925-275-3815	Phase/WBS: 03-O&M	E-mail EDD To: shayes@stratusinc.net
	Sub Phase/Task: 03-Analytical	Invoice to: Atlantic Richfield Co.
	Cost Element: Subcontractor Cost	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Turnaround Time		Sample Point Lat/Long and Comments	
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	5-Oxygenates	TSS	COD	24-hours	Standard		
1	00608WINF	0752	6/4/07		x		01	6						x	x	x						5-oxygenates requested are MTBE, DIPE, ETBE, TAME, and TBA. The 24-hour TAT rush on 00608EFF is only for GRO, BTEX, and 5-Oxys. TSS and COD are to be analyzed on a STD. TAT.
2	00608WGAC1	0757			x		02	6						x	x	x						
3	00608WGAC2	0818			x		03	6						x	x	x						
4	00608WEFF	0746			x		04	10		x				x	x	x	x	x				
5																						
6	IB6086407	0800	6/4/07		x		05	2														Hold
7																						
8																						
9																						
10																						

Sampler's Name: Chris Hill	Relinquished By / Affiliation: Chris Hill Stratus	Date: 6/4/07	Time: 10:40	Accepted By / Affiliation: William TAMH	Date: 6/4/07	Time: 10:40
Sampler's Company: Stratus Environmental, Inc.						
Shipment Date: 6/4/07						
Shipment Method: Stratus						
Shipment Tracking No:						

Special Instructions: Please cc results to Bpedf@Broadbentinc.Com

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: STRATUS
 REC. BY (PRINT) PH
 WORKORDER: MQF0041

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

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / <input checked="" type="radio"/> Absent Intact / Broken*	01	00608 WINE	(6) VOAS	HCl	-	W	6/4/07	
2. Chain-of-Custody	<input checked="" type="radio"/> Present / Absent*	02	GAC1	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List:	Present / <input checked="" type="radio"/> Absent	03	GAC2	↓	↓	↓	↓	↓	
4. Airbill:	Airbill / Sticker Present / <input checked="" type="radio"/> Absent	04	EFF	↓	↓	↓	↓	↓	
5. Airbill #:				(3) VOAS AMB	H ₂ SO ₄				
6. Sample Labels:	<input checked="" type="radio"/> Present / Absent			500ML POLY	-				
7. Sample IDs:	<input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody								
8. Sample Condition:	<input checked="" type="radio"/> Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	<input checked="" type="radio"/> Yes / No*								
10. Sample received within hold time?	<input checked="" type="radio"/> Yes / No*								
11. Adequate sample volume received?	<input checked="" type="radio"/> Yes / No*								
12. Proper preservatives used?	<input checked="" type="radio"/> Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	<input checked="" type="radio"/> Yes / No*								
14. Read Temp: <u>17°C</u> Corrected Temp: <u>15°C</u> Is corrected temp 4 +/-2°C? Yes / <input checked="" type="radio"/> No**									

~~Not in~~ 6/4/07

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

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

APPENDIX C

GEOTRACKER UPLOAD CONFIRMATIONS

Electronic Submittal Information

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UPLOADING A GEO_WELL FILE

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

<u>Submittal Title:</u>	2Q07 GEO_WELL 608
<u>Facility Global ID:</u>	T0600100085
<u>Facility Name:</u>	ARCO #00608
<u>Submittal Date/Time:</u>	7/11/2007 9:06:42 AM
<u>Confirmation Number:</u>	1515446543

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(CONTRACTOR)

[CONTACT SITE ADMINISTRATOR.](#)

Electronic Submittal Information

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Your EDF file has been successfully uploaded!

Confirmation Number: 2168154597
Date/Time of Submittal: 7/11/2007 8:53:43 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: 2Q07 GW Monitoring
Submittal Type: GW Monitoring Report

Click [here](#) to view the detections report for this upload.

ARCO #00608	Regional Board - Case #: 01-0092
17601 HESPERIAN	SAN FRANCISCO BAY RWQCB (REGION 2)
SAN LORENZO, CA 94580	Local Agency (lead agency) - Case #: RO0000255
	ALAMEDA COUNTY LOP - (SP)

<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
2168154597	2Q07 GW Monitoring	Q2 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	7/11/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	3
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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Confirmation Number: 1210719704
Date/Time of Submittal: 7/11/2007 9:28:56 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: Monthly System Sampling 0407
Submittal Type: Soil & Water Investigation Report

Click [here](#) to view the detections report for this upload.

ARCO #00608 17601 HESPERIAN SAN LORENZO, CA 94580	Regional Board - Case #: 01-0092 SAN FRANCISCO BAY RWQCB (REGION 2) Local Agency (lead agency) - Case #: RO0000255 ALAMEDA COUNTY LOP - (SP)
--	---

<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
1210719704	Monthly System Sampling 0407	Q2 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	7/11/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH,E160.2,E410.4
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% Y

SOIL SAMPLES FOR 8021/8260 SERIES

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

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a

SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

FIELD QC SAMPLES

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Confirmation Number: 6977164387
Date/Time of Submittal: 7/11/2007 9:09:26 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: Monthly System Sampling 0507
Submittal Type: Soil & Water Investigation Report

Click [here](#) to view the detections report for this upload.

ARCO #00608 **Regional Board - Case #: 01-0092**
17601 HESPERIAN SAN FRANCISCO BAY RWQCB (REGION 2)
SAN LORENZO, CA 94580 **Local Agency (lead agency) - Case #: RO0000255**
ALAMEDA COUNTY LOP - (SP)

<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
6977164387	Monthly System Sampling 0507	Q2 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	7/11/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH,A2540D,E410.4
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
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

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Confirmation Number: 3494277358
Date/Time of Submittal: 7/11/2007 9:21:14 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: Monthly System Sampling 0607
Submittal Type: Soil & Water Investigation Report

Click [here](#) to view the detections report for this upload.

ARCO #00608 **Regional Board - Case #: 01-0092**
17601 HESPERIAN SAN FRANCISCO BAY RWQCB (REGION 2)
SAN LORENZO, CA 94580 **Local Agency (lead agency) - Case #: RO0000255**
ALAMEDA COUNTY LOP - (SP)

<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
3494277358	Monthly System Sampling 0607	Q2 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	7/11/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH,A2540D,E410.4
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES ETHANOL TO BE TESTED	
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% Y

SOIL SAMPLES FOR 8021/8260 SERIES

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

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a

SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

FIELD QC SAMPLES

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD.</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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