



Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 1257
San Ramon, CA 94583
Phone: (925) 275-3801
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30 April 2007

Re: First 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

RECEIVED

2:38 pm, May 01, 2007

Alameda County
Environmental Health



"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct."

Submitted by:

Paul Supple
Environmental Business Manger

**First Quarter 2007 Ground-Water Monitoring
and Remediation System Status Report**
Atlantic Richfield Company Station #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

30 April 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: First 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 *First 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 First 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,

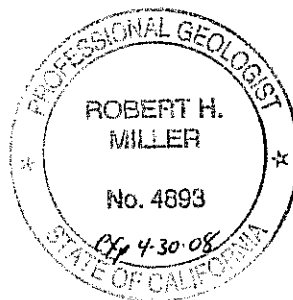
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.
Senior Engineer



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

WORK PERFORMED THIS QUARTER (First Quarter 2007):

1. Prepared and submitted Fourth Quarter 2006 report.
2. Conducted ground-water monitoring/sampling for First Quarter 2007. Work performed on 12 March 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 January-March 2007 to Oro Loma Sanitary District. Reports submitted by Stratus dated 9 February, 9 March and 10 April 2007.

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2007):

1. Prepared and submitted First Quarter 2007 Report (contained herein).
2. Conduct ground-water monitoring/sampling for Second Quarter 2007.
3. Continue operation, maintenance, and performance monitoring of GWET system.
4. Submit monthly discharge reports for April 2007 through June 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>8.35 ft (MW-14) to 11.72 ft (E-1A)</u>
General ground-water flow direction:	<u>West</u>
Approximate hydraulic gradient:	<u>0.003 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>30,794</u>

QUARTERLY RESULTS SUMMARY (Continued):

Total gallons of ground water treated and discharged to date (- 3/5/2007):	8,371,488	3,780,160 Since 6/5/2000	
Total operation hours to date:	81,134	50,995 Since 6/5/2000	
Mass Removal (pounds)	Quarterly	Cumulative	
Gasoline range organics (GRO):	0.014	7.56	
Benzene:	0.000	0.31	
Methyl-tert butyl ether (MTBE):	0.001	2.97	
GWET system samples collection dates and influent results (µg/L):	01/05/2007	02/05/2007	03/05/2007
GRO:	<50	70	87
Benzene:	<0.50	<0.50	<0.50
MTBE:	1.4	7.1	5.8
GWET system samples collection dates and effluent results (µg/L):	01/05/2007	02/05/2007	03/05/2007
GRO:	<50	<50	<50
Benzene:	<0.50	<0.50	<0.50
MTBE:	<0.50	<0.50	<0.50

DISCUSSION:

First Quarter 2007 ground-water monitoring and sampling was conducted at Station #608 on 12 March 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 8.35 ft at MW-14 to 11.72 ft at MW-5. Resulting ground-water surface elevations ranged from 25.86 ft above mean sea level in up-gradient well MW-25 to 21.59 ft at well MW-21. 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 0.003 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 five of the wells associated with the Site, inconsistent with the sampling schedule presented in Table 4. Water samples were not collected from wells MW-15 due to the presence of a vehicle parked over the well. Wells 642H and 17372VM are former private water supply wells and were not sampled because property access could not be obtained. No other irregularities were reported during sampling, with the exception that MW-5 bailed dry during pre-sample well purging. 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 two of the five wells sampled at concentrations up to 300 micrograms per liter ($\mu\text{g/L}$) in well MW-10. Toluene was detected above laboratory reporting limits in one well, MW-5 at a concentration of 0.60 $\mu\text{g/L}$. TAME was detected above the laboratory reporting limit in one well, MW-25 at a concentration of 2.9 $\mu\text{g/L}$. TBA was detected above the laboratory reporting limit in one well, MW-10 at a concentration of 46 $\mu\text{g/L}$. MTBE was detected above the laboratory reporting limit in four of the five wells sampled at concentrations up to 18 $\mu\text{g/L}$ in well MW-10. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the five wells sampled this quarter. The concentration of MTBE detected in well E-1A was 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 First Quarter 2007 period from 2 January 2007 to 5 March 2007, the GWET system operated 86.1 percent of the time (1,250.6 hours). During this period, a total of 24,574 gallons of ground water was treated and discharged. Approximately 0.014 pounds of GRO was reported removed during the First Quarter 2007, increasing the total GRO removed to date to 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 First Quarter 2007, approximately 0.001 pounds of MTBE was removed, increasing the total MTBE removed to date to 2.97 pounds (0.48 gallons). Performance data for the GWET system is summarized in Table 5.

Based on the hour-meter reading, the GWET system operated for approximately 75 days between 2 January 2007 and 30 March 2007. The GWET system was started then shutdown on 2 January 2007 following collection of routine and additional samples to fulfill a special request made by the Oro Loma Sanitary District. Influent, mid-fluent, and effluent water samples were collected for analysis of GRO, BTEX, MTBE, TAME, DIPE, ETBE, and TBA. The influent and effluent samples were also analyzed for Total Suspended Solids, Chemical Oxygen Demand, metals, and total oil and grease. One-time influent and effluent water samples were also collected 12 January 2007 for analysis of total cyanide and phenols. Results from these laboratory analyses can be found in the Monthly Discharge Reports provided within Appendix B. Routine influent, mid-fluent, and effluent chemical data are summarized within Table 6.

Upon receipt and compliance verification of the effluent water sample collected on 2 January 2007, the GWET system was restarted on 12 January 2007. The GWET system was observed to be not operating during a Site visit conducted on 24 January 2007, due to clogging of the particulate filters. The filter bags were replaced and the system restarted the same day. Because MTBE was reported in the mid-fluent (GAC2) carbon vessel, a carbon sample was collected to facilitate profiling and disposal. On 28 March 2007, the GWET system was shut down to facilitate a carbon changeout. The vessels were filled with potable water and allowed to charge for approximately 24 hours. The system was restarted on 30 March 2007. Copies of the Monthly Discharge Reports are provided within Appendix B.

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.

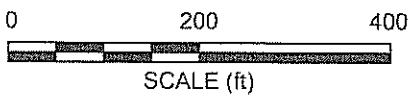
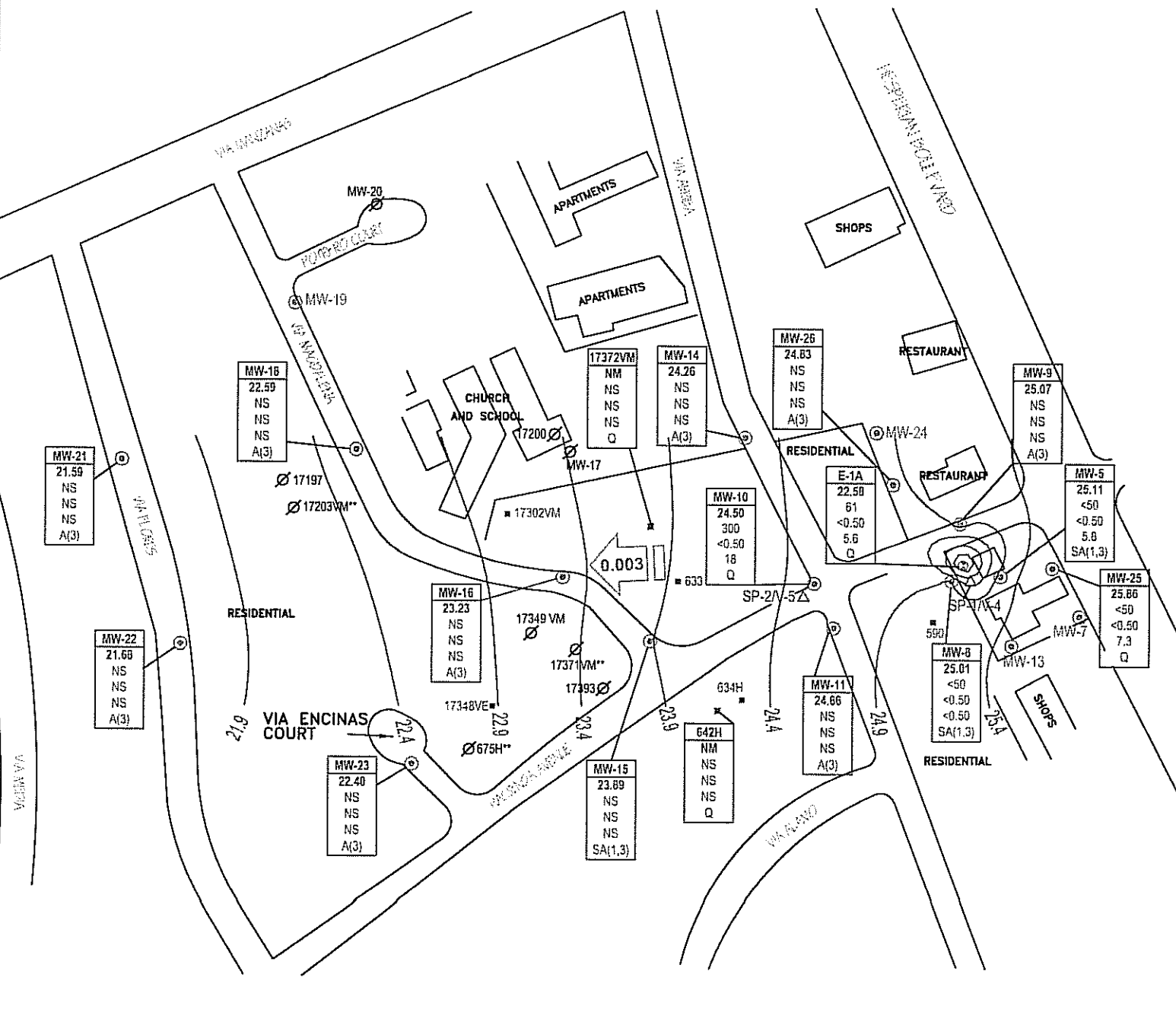
ATTACHMENTS:

- Drawing 1. Ground-Water Elevation Contours and Analytical Summary Map, 12 March 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
 - ← 0.003 GROUND-WATER FLOW DIRECTION
AND GRADIENT (FT/FT)
 - 25.4 GROUND-WATER ELEVATION CONTOUR (FT/MSL)
- | Well ID | ELEV. | GRO | Benzene | MTBE | Q/A |
|---------|------------------|------------------------------|--|--------------------|---|
| ⊕ | WELL DESIGNATION | GROUND-WATER ELEVATION (MSL) | GRO, BENZENE AND MTBE CONCENTRATIONS
IN MICROGRAMS PER LITER (µg/L) | 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 IT 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: 4/17/07

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

Ground-Water Elevation Contours
and Analytical Summary Map
12 March 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

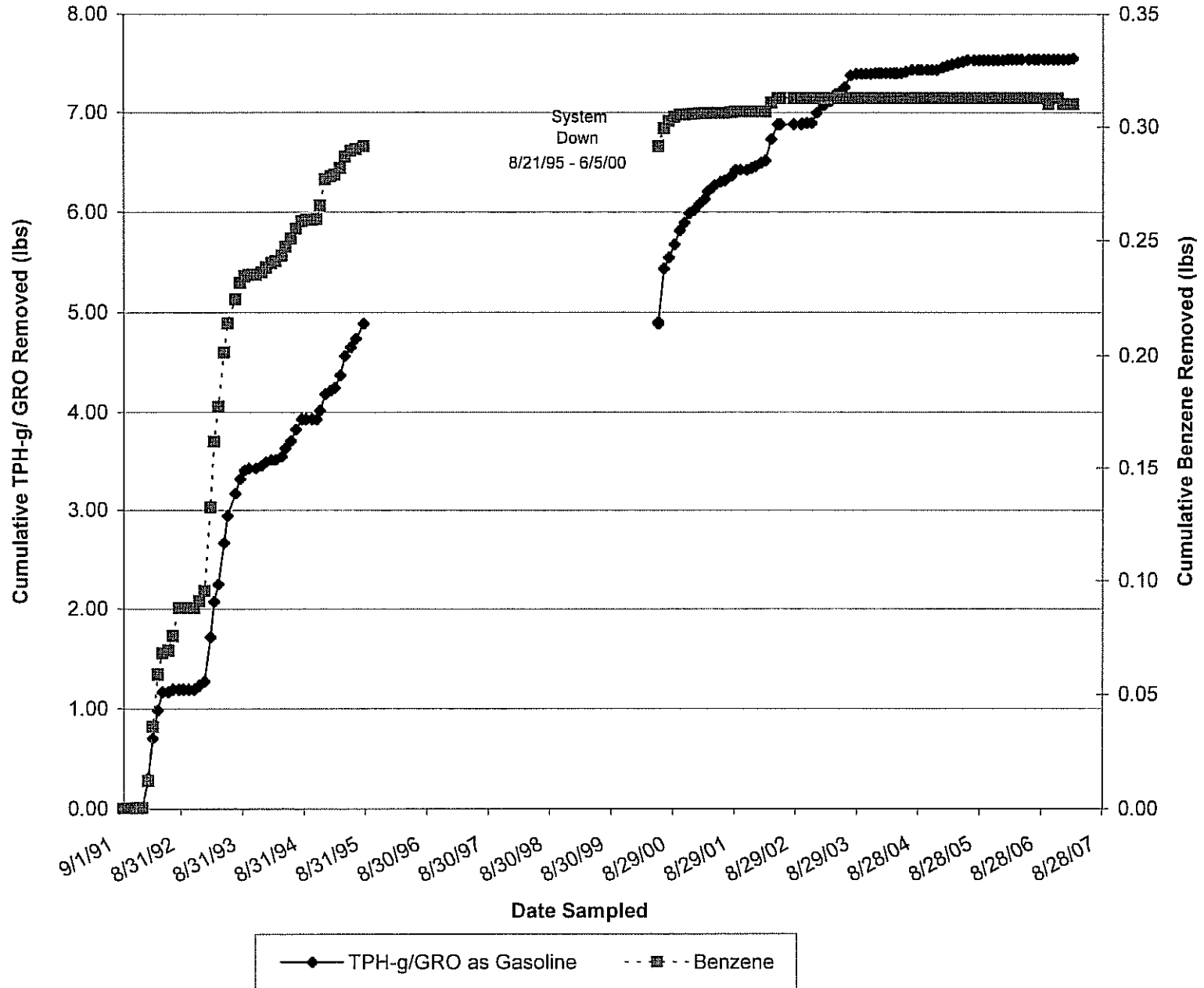


Figure 2
Ground-Water Extraction System Concentration Trends
TPH-g/ GRO and Benzene

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

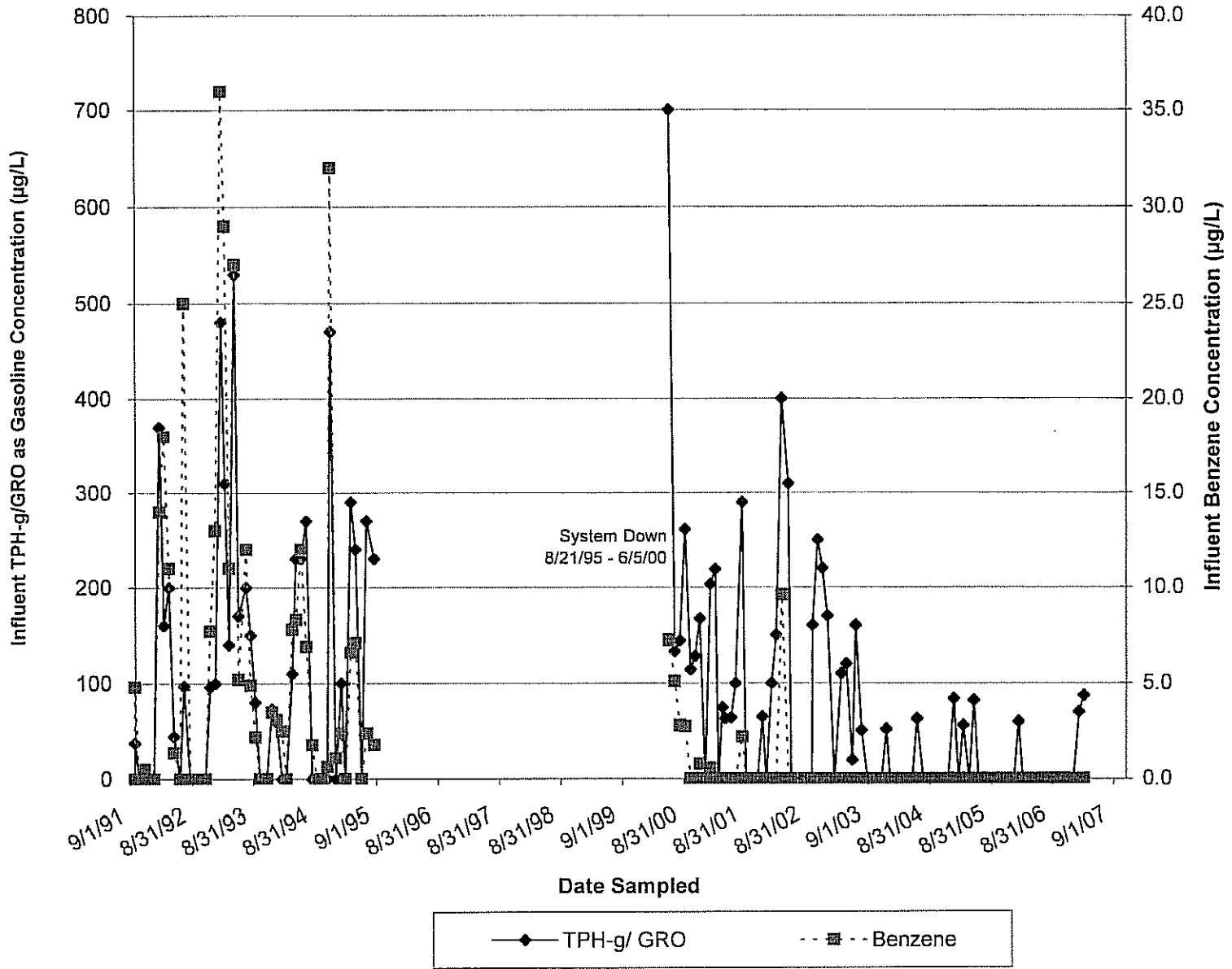


Figure 3
Ground-Water Extraction System Mass Removal Trend
MTBE

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

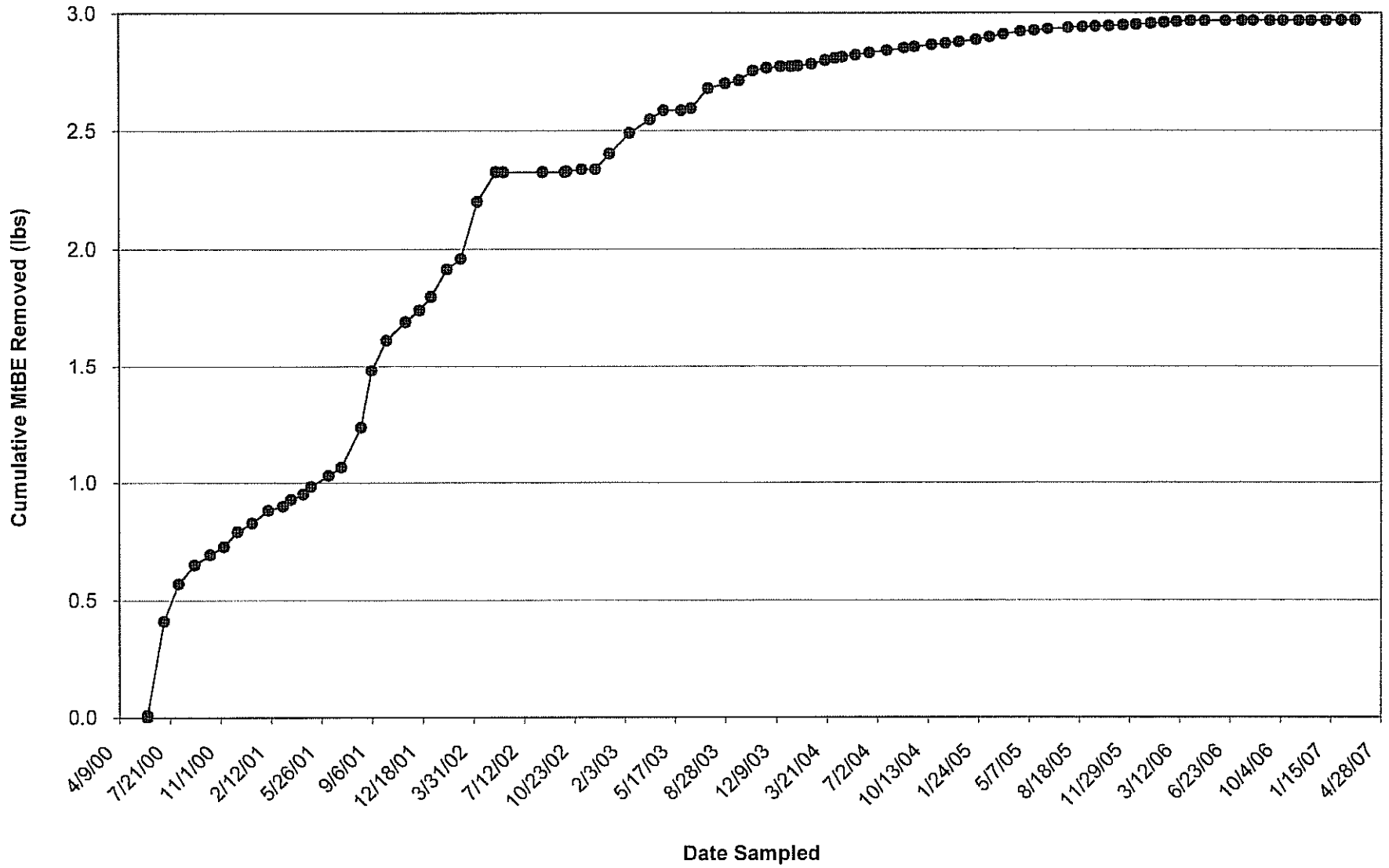


Figure 4
Ground-Water Extraction System Concentration Trend
MTBE

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

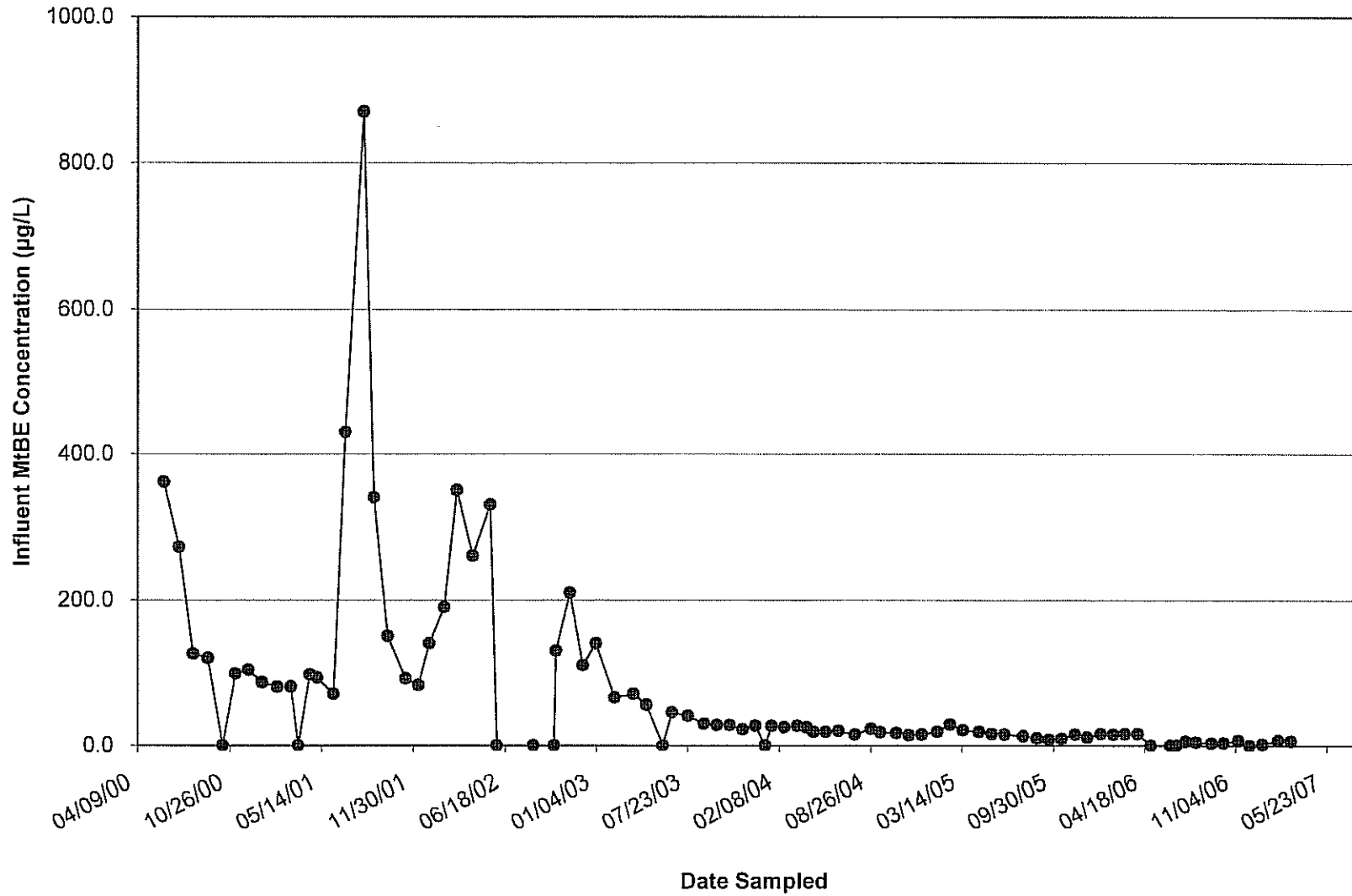


Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

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	--	b	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	a	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	<0.50	<0.50	218	--	--
12/30/2002	--	c, e	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	<1.0	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	--	--
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
12/7/2006	--		35.97	--	--	11.71	24.26	--	--	--	--	--	--	--	--

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-5 Cont.															
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
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
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	--	--
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	--	--

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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-9 Cont.															
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	--	--	--	--	--	--	--	--
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
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

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-10 Cont.															
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
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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-14															
3/13/2002	--		30.46	--	--	8.56	21.90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
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	--	--	--	--	--	--	--	--
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

**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 Cont.															
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	--	--	--	--	--	--	--	--
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	--	--
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	--	--	--	--	--	--	--	--

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-16 Cont.															
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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
MW-21															
3/13/2002	--		28.72	--	--	9.40	19.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-21 Cont.															
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	--	--	--	--	--	--	--	--
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

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-22 Cont.															
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
12/17/2006	--		31.43	--	--	10.44	20.99	--	--	--	--	--	--	--	--
3/12/2007	--		31.43	--	--	9.75	21.68	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-23 Cont.															
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	1.71	7.3
12/7/2006	--		33.16	--	--	11.50	21.66	--	--	--	--	--	--	--	--
3/12/2007	--		33.16	--	--	10.76	22.40	--	--	--	--	--	--	--	--
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
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
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	--	--	--	--	--	--	--	--

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.															
9/20/2002	--	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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

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	--	--	--	--	--	--	--	--	
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	
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	
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	
3/12/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-9									

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-9 Cont.									
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	d
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	e
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	
MW-11									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
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	-	-	

**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-11 Cont.									
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	
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	

**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.									
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	
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	--	--	

**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-25 Cont.									
6/30/2003	<1000	<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	
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/unavailable
< = 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

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	---	---	---

**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)
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
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

**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 (gallions)	Net Volume (gallions)	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)
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
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

**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)
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
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	--	--	--	--	--	--	--	--	--	--

REPORTING PERIOD:	01/02/07 to 03/05/07		
CUMULATIVE GALLONS EXTRACTED:	8,371,488		
PERIOD GALLONS EXTRACTED:	24,574		
TOTAL POUNDS REMOVED:		7.56	0.31
TOTAL GALLONS REMOVED:		1.24	0.04
AVERAGE PERIOD FLOW RATE (gpm):	0.28		
PERIOD PERCENT OPERATIONAL:	86.1%		
PERIOD POUNDS REMOVED:		0.014	0.000
PERIOD GALLONS REMOVED:		0.002	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.

Equations: $\text{Net Dissolved Concentration Removed [pounds]} = \text{Average influent concentration, } [\mu\text{g/L}] \times \text{net volume (gallon)} \times \text{conversion factor } [\mu\text{g to kg}] \times \text{conversion factor [L. to pounds];}$ (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 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)
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	---	---	---	---	---

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	---	---	---	---
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	---	---	---	---

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-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
 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)										
07/22/04	<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	---	---	---	---
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	---	---	---	---

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Station #608
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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-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	---	---	---	---
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	---

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)										
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	---	---	---	---

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)										
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	---

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:

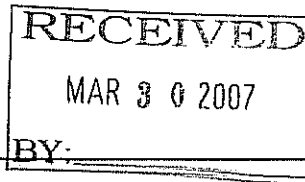
GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

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.

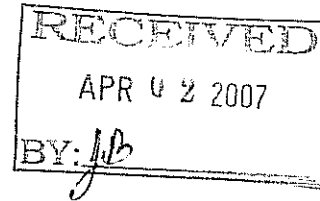
APPENDIX A

**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

March 27, 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 March 12, 2007)

General Information

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

Phone Number: (530) 676-6000

On-Site Supplier Representatives: Greg Wilkins and Vince Zalutka

Date: March 12, 2007

Arrival: 05:09

Departure: 09:15

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. A letter of notification was sent to the property owner requesting access to the property. The property owner has not yet responded to that request. MW-5 purged dry before three casing volumes were removed. Well MW-15 could not be sampled due to a parked car over the well.

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

ORIGINAL

BP GEM OIL COMPANY

TYPE **A** BILL OF LADING

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

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

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

ARCO 608

Station #

17601 Hesperian Blvd San Lorenzo, CA

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

30.5

Added Equipment

Any Other

Rinse Water _____

Adjustments _____

TOTAL GALS.

loaded onto

RECOVERED 30.5

Stratus vehicle # _____

Stratus Project #

time

date

5608-03

0915

03/12/07

Signature

[Handwritten Signature]

RECEIVED AT

time

date

5786

1430

3/13/07

Unloaded by

Signature

[Handwritten Signature]



Global ID: T0600100085
 Site Address: 17601 Hesperian Blvd
 City: San Lorenzo
 Sampled By: VinceZ

ORIGINAL

Site Number: ARCO 608
 Project No: 608
 Project PM:
 Date: 3-12-07

Signature: VZ Date: 3-12-07

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Qtr. Meas. Depth of Well feet	Casing Water Column (A)	Well Diameter (Inches)	Multiplier Value (B)	Three Casing Volumes (Gallons)	Actual Water Purged (Gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample time	Dissolved Oxygen (mg/L)
MW-5	0530	10.86		13.38	2.52	4	2	5.04	2.5		X	25g		11.30	MW-5	0856	2.55
MW-8	0552	9.46		20.70	11.24	3	1	11.24	11		X			9.49	MW-8	0721	1.96
MW-9	0608	8.93		18.0		3	1								MW-9		
MW-10	0825	9.60		22.22	13.22	3	1	13.22	13		X			9.03	MW-10	0842	.98
MW-11	0737	9.89		18.59		3	1								MW-11		
E-1A	0526	11.72		N/A		6	4.4			on system sample only					E-1A	0614	
MW-14	0742	8.35		22.83		3	1								MW-14		
MW-15	0906	9.60		23.00			1	Car Parked		on Well unable to Purge					MW-15	Sample	
MW-16	0759	10.18		22.75		3	1								MW-16		
MW-18	0755	9.28		21.30		3	1								MW-18		
MW-21	0817	9.08		21.30		3	1								MW-21		
MW-22	0810	9.75		21.29		3	1								MW-22		
MW-23	0804	10.76		21.50		2	0.5								MW-23		
MW-25	0536	10.47		18.20	7.73	2	0.5	3.87	4		X			10.50	MW-25	0625	2.77 *
MW-26	0558	10.87		19.23		2									MW-26		
642H	N/A	N/A		N/A											642H		
17372VM	N/A	N/A		N/A											17372VM		
Trip Blank																0646	

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

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



Site Address 17601 Hesperian Blvd
 City San Lorenzo
 Sampled By: VinceZ

Site Number ARCO 608
 Project No 608
 Project PM
 Date 3-12-07

Signature VZ Date: 3-12-07

Well ID MW-5 0856					Well ID MW-8 0721				
purge start time <i>Bailer</i>					purge start time <i>Bailer</i>				
Odor					<i>No Odor</i>				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	17.4	7.16	590	0	time	19.1	7.47	888	0
time	<i>Dry @ 2.5 gal</i>				time	19.1	7.44	886	6
time	18.1	7.17	623	<u>2.5</u>	time	19.1	7.54	890	11
time	18.1	7.17			time				
purge stop time					purge stop time				
Well ID MW-9					Well ID MW-10 0842				
purge start time					purge start time <i>Bailer</i>				
Odor					<i>Odor</i>				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time	18.9	7.23	779	0
time					time	18.2	7.28	786	6
time					time	18.5	7.25	794	13
time					time				
purge stop time					purge stop time				
Well ID MW-11					Well ID E-1A				
Purge start time					Purge start time <i>Sample Only</i>				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time <i>ON System</i>				
Well ID MW-14					Well ID MW-15				
purge start time					purge start time <i>Unable to Purge & Sample</i>				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time <i>Car parked on well</i>				

ORIGINAL

Wellhead Observation Form

Account: 0608

Sampled by: Vince Z

Date: 3-12-07

Well ID	Box in good condition	Lock Missing (Replaced with new)	Water in Box	Bolts Missing	Bolts Stripped	Bolt-Holes Stripped	Cracked or Broken Lid	Cracked Box and/or Bolt-Holes	Misc.	Add'l -- Notes and Other Stuff
5			X	Z						
8	X									
9	XXXX		X							
10			X							
11	X									
E-1A	X									
14	X									
15										
16	X									
18			X							
21	X									
22	X									
23	X									
25			X		X					
26	X									
642H										

+7372VAA

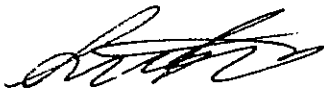
26 March, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQC0400

Enclosed are the results of analyses for samples received by the laboratory on 03/13/07 07:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

MQC0400
Reported:
03/26/07 14:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	MQC0400-01	Water	03/12/07 08:56	03/13/07 07:45
MW-8	MQC0400-02	Water	03/12/07 07:21	03/13/07 07:45
MW-10	MQC0400-03	Water	03/12/07 08:42	03/13/07 07:45
E-1A	MQC0400-04	Water	03/12/07 06:14	03/13/07 07:45
MW-25	MQC0400-05	Water	03/12/07 06:25	03/13/07 07:45
TB-608-03122007	MQC0400-06	Water	03/12/07 06:46	03/13/07 07:45

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

These samples were received with no custody seals.

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

MQC0400
Reported:
03/26/07 14:15

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MQC0400-01) Water Sampled: 03/12/07 08:56 Received: 03/13/07 07:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C15001	03/15/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		118 %	60-145		"	"	"	"	
MW-8 (MQC0400-02) Water Sampled: 03/12/07 07:21 Received: 03/13/07 07:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C15001	03/15/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		120 %	60-145		"	"	"	"	
MW-10 (MQC0400-03) Water Sampled: 03/12/07 08:42 Received: 03/13/07 07:45									
Gasoline Range Organics (C4-C12)	300	50	ug/l	1	7C15001	03/15/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		117 %	60-145		"	"	"	"	
E-1A (MQC0400-04) Water Sampled: 03/12/07 06:14 Received: 03/13/07 07:45									
Gasoline Range Organics (C4-C12)	61	50	ug/l	1	7C15001	03/15/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		118 %	60-145		"	"	"	"	
MW-25 (MQC0400-05) Water Sampled: 03/12/07 06:25 Received: 03/13/07 07:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C15001	03/15/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		121 %	60-145		"	"	"	"	

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

MQC0400
Reported:
03/26/07 14:15

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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MW-5 (MQC0400-01) Water Sampled: 03/12/07 08:56 Received: 03/13/07 07:45

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C15001	03/15/07	03/15/07	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	5.8	0.50	"	"	"	"	"	"	
Toluene	0.60	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		<i>104 %</i>	<i>75-130</i>		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>118 %</i>	<i>60-145</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>98 %</i>	<i>70-130</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>98 %</i>	<i>60-120</i>		"	"	"	"	

MW-8 (MQC0400-02) Water Sampled: 03/12/07 07:21 Received: 03/13/07 07:45

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C15001	03/15/07	03/15/07	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	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		<i>101 %</i>	<i>75-130</i>		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>120 %</i>	<i>60-145</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>92 %</i>	<i>70-130</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>87 %</i>	<i>60-120</i>		"	"	"	"	

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

MQC0400
Reported:
03/26/07 14:15

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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MW-10 (MQC0400-03) Water Sampled: 03/12/07 08:42 Received: 03/13/07 07:45

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C15001	03/15/07	03/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	46	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	18	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane		104 %	75-130	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		117 %	60-145	"	"	"	"	"	
Surrogate: Toluene-d8		104 %	70-130	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	60-120	"	"	"	"	"	

E-1A (MQC0400-04) Water Sampled: 03/12/07 06:14 Received: 03/13/07 07:45

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C15001	03/15/07	03/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	5.6	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane		105 %	75-130	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		118 %	60-145	"	"	"	"	"	
Surrogate: Toluene-d8		101 %	70-130	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97 %	60-120	"	"	"	"	"	

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

MQC0400
Reported:
03/26/07 14:15

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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MW-25 (MQC0400-05) Water Sampled: 03/12/07 06:25 Received: 03/13/07 07:45

tert-Amyl methyl ether	2.9	0.50	ug/l	1	7C15001	03/15/07	03/15/07	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	7.3	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		103 %	75-130		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		121 %	60-145		"	"	"	"	
Surrogate: Toluene-d8		87 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81 %	60-120		"	"	"	"	

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

MQC0400
Reported:
03/26/07 14:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C15001 - EPA 5030B P/T / LUFT GCMS

Blank (7C15001-BLK1)

Prepared & Analyzed: 03/15/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.96		"	2.50		118	60-145			

Laboratory Control Sample (7C15001-BS2)

Prepared & Analyzed: 03/15/07

Gasoline Range Organics (C4-C12)	424	50	ug/l	500		85	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.97		"	2.50		119	60-145			

Laboratory Control Sample Dup (7C15001-BSD2)

Prepared & Analyzed: 03/15/07

Gasoline Range Organics (C4-C12)	457	50	ug/l	500		91	75-140	7	20	
Surrogate: 1,2-Dichloroethane-d4	2.95		"	2.50		118	60-145			

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

MQC0400
Reported:
03/26/07 14:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 7C15001 - EPA 5030B P/T / EPA 8260B

Blank (7C15001-BLK1)

Prepared & Analyzed: 03/15/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.65		"	2.50		106	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.96		"	2.50		118	60-145			
<i>Surrogate: Toluene-d8</i>	2.33		"	2.50		93	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.06		"	2.50		82	60-120			

Laboratory Control Sample (7C15001-BS1)

Prepared & Analyzed: 03/15/07

tert-Amyl methyl ether	10.2	0.50	ug/l	10.0		102	65-135			
Benzene	9.85	0.50	"	10.0		98	70-125			
tert-Butyl alcohol	216	20	"	200		108	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0		103	70-130			
1,2-Dibromoethane (EDB)	10.9	0.50	"	10.0		109	75-140			
1,2-Dichloroethane	11.6	0.50	"	10.0		116	75-125			
Ethanol	221	300	"	200		110	15-150			
Ethyl tert-butyl ether	10.4	0.50	"	10.0		104	65-130			
Ethylbenzene	11.7	0.50	"	10.0		117	70-130			
Methyl tert-butyl ether	10.3	0.50	"	10.0		103	50-140			
Toluene	10.4	0.50	"	10.0		104	70-120			
Xylenes (total)	34.8	0.50	"	30.0		116	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.70		"	2.50		108	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.85		"	2.50		114	60-145			
<i>Surrogate: Toluene-d8</i>	2.48		"	2.50		99	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.75		"	2.50		110	60-120			

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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

MQC0400
Reported:
03/26/07 14:15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C15001 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7C15001-MS1)	Source: MQC0400-05			Prepared & Analyzed: 03/15/07						
tert-Amyl methyl ether	14.2	0.50	ug/l	10.0	2.9	113	65-135			
Benzene	10.3	0.50	"	10.0	ND	103	70-125			
tert-Butyl alcohol	218	20	"	200	ND	109	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0	ND	111	70-130			
1,2-Dibromoethane (EDB)	11.5	0.50	"	10.0	ND	115	75-140			
1,2-Dichloroethane	12.4	0.50	"	10.0	ND	124	75-125			
Ethanol	226	300	"	200	ND	113	15-150			
Ethyl tert-butyl ether	11.0	0.50	"	10.0	ND	110	65-130			
Ethylbenzene	11.7	0.50	"	10.0	ND	117	70-130			
Methyl tert-butyl ether	18.5	0.50	"	10.0	7.3	112	50-140			
Toluene	10.9	0.50	"	10.0	ND	109	70-120			
Xylenes (total)	36.0	0.50	"	30.0	ND	120	80-125			
Surrogate: Dibromofluoromethane	2.71		"	2.50		108	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.88		"	2.50		115	60-145			
Surrogate: Toluene-d8	2.48		"	2.50		99	70-130			
Surrogate: 4-Bromofluorobenzene	2.74		"	2.50		110	60-120			

Matrix Spike Dup (7C15001-MSD1)	Source: MQC0400-05			Prepared & Analyzed: 03/15/07						
tert-Amyl methyl ether	15.4	0.50	ug/l	10.0	2.9	125	65-135	8	25	
Benzene	11.1	0.50	"	10.0	ND	111	70-125	7	15	
tert-Butyl alcohol	240	20	"	200	ND	120	60-135	10	35	
Di-isopropyl ether	12.0	0.50	"	10.0	ND	120	70-130	8	35	
1,2-Dibromoethane (EDB)	12.8	0.50	"	10.0	ND	128	75-140	11	15	
1,2-Dichloroethane	14.0	0.50	"	10.0	ND	140	75-125	12	20	LM
Ethanol	261	300	"	200	ND	130	15-150	14	35	
Ethyl tert-butyl ether	11.8	0.50	"	10.0	ND	118	65-130	7	35	
Ethylbenzene	12.7	0.50	"	10.0	ND	127	70-130	8	15	
Methyl tert-butyl ether	20.6	0.50	"	10.0	7.3	133	50-140	11	25	
Toluene	11.8	0.50	"	10.0	ND	118	70-120	8	15	
Xylenes (total)	38.4	0.50	"	30.0	ND	128	80-125	6	15	LM
Surrogate: Dibromofluoromethane	2.58		"	2.50		103	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.81		"	2.50		112	60-145			
Surrogate: Toluene-d8	2.49		"	2.50		100	70-130			
Surrogate: 4-Bromofluorobenzene	2.73		"	2.50		109	60-120			

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

MQC0400
Reported:
03/26/07 14:15

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco
 REC. BY (PRINT) A.M.
 WORKORDER: 1960400

DATE REC'D AT LAB: 3-13-07
 TIME REC'D AT LAB: 745
 DATE LOGGED IN: 3-13-07

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 / <u>Absent</u> Intact / Broken*								3-13-07 A.M. See COC
2. Chain-of-Custody <u>Present</u> / Absent*								
3. Traffic Reports or Packing List: <u>Present</u> / Absent								
4. Airbill: <u>Airbill</u> / Sticker <u>Present</u> / Absent								
5. Airbill #: <u>see Attached</u>								
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. <u>Trip Blank</u> / <u>Temp Blank</u> Received? (circle which, if yes) <u>Yes</u> / No*								
14. Read Temp: <u>3.0°C</u> Corrected Temp: <u>3.0°C</u> Is corrected temp 4 +/- 2°C? <u>Yes</u> / No** <small>(Acceptance range for samples requiring thermal pres.)</small>								

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

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

California Overnight Shipping Label



D10010123782503

Date Printed 3/12/2007

Tracking#D10010123782503

Shipped From:

TEST AMERICA - SACRAMENTO
819 STRIKER AVENUE 8
SACRAMENTO, CA 95834

Sent By: TIM ALBRIGHT

Phone#: (916)921-9600

wgt(lbs): 40

Reference:

Decl. Value: \$0.00

Ship To Company:

TESTAMERICA - MORGAN HILL
885 JARVIS DR
MORGAN HILL, CA 95037
SAMPLE CONTROL (408)776-9600

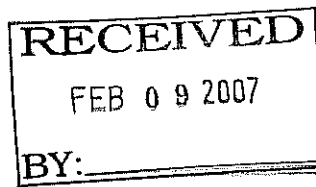
Service: **S**

Sort Code: **SJC**

Special Services:

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

February 6, 2007
Project No: E608-03

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 January 2, 12 and 24, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Kiran Nagaraju

Phone Number: (530) 676-6007

On-Site Supplier Representative: Chris Hill / 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 January 1, 2007 and January 12, 2007.

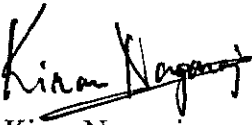
Variations from Work Scope: The groundwater extraction and treatment system (GWETS) was shutdown on January 2, 2007 after collecting the influent, mid-fluent and effluent water samples. Upon receipt and compliance verification of the effluent water samples, the GWETS was re-started on January 12, 2007.

Stratus received the sewer discharge permit from the Oro Loma Sanitation District (OLSD) on December 28, 2006 with operator information changed from URS Corporation Americas (URS) to Stratus Environmental, Inc. OLSD personnel also requested that the effluent sample be analyzed once for metals, phenols, cyanide, total oil and grease in addition to the monthly sampling for petroleum hydrocarbons, chemical oxygen demand and total suspended solids. Stratus completed this sampling for additional parameters during the site visits conducted on January 2 and 12, 2007.



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

Sincerely,

STRATUS ENVIRONMENTAL, INC.



Kiran Nagaraju
Staff Engineer



Jay Johnson, P.G.
Project Manager

Attachments:

- Field Data Sheets
- 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: 1-2-07
 Onsite Time: 0730
 Offsite Time: 0915
 Technician: CITILL
 Weather Conditions: Clear
 Ambient Temperature: 45
 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: 50059

Hour Meter Reading: 34380

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4732190

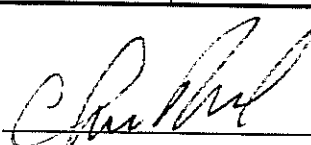
No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

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

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°C	units	msiemens
Effluent	8.8	6.86	632

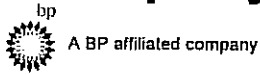
Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF	1-2-07 0804		
00608WGAC1	} 0815		
00608WGAC2	} 0820		
00608WEFF	} 0833		

TB-

Signature:  0835

Date: 1207

Atlantic Richfield Company



Chain of Custody Record

Project Name: ARCO Service Station No. 608
 BP > Americas > West Coast > Retail > WCBU > CA > Northern > 608 > HistoricalBL
 BP BU/AR Region/Enfos Segment:
 State or Lead Regulatory Agency: California Regional Water Quality Control Board
 Requested Due Date (mm/dd/yy): 24 NR 747

ORIGINAL

On-site Time: <u>0736</u>	Temp: <u>84.5</u>
Off-site Time: <u>0915</u>	Temp: <u>46</u>
Sky Conditions: <u>Clear</u>	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica Analytical Testing Corporation	BP/AR Facility No.: 608	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive Morgan Hill, CA 95037	BP/AR Facility Address: 17601 Hesperian Boulevard, San Lorenzo	Address: 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682
Lab PM: Lisa Race	Site Lat/Long:	Consultant/Contractor Project No.: ARCO 2077
Tele/Fax: (408) 782 8156/(408) 782 6308	California Global ID No.: T0600100085	Consultant/Contractor PM: Jay Johnson
BP/AR EBM: Paul Supple	Enfos Project No.: G0C24-0017	Tele/Fax: (530) 676 6000/ (530) 676 6005
Address: 2010 Crows Landing Road San Ramon, CA	Provision or OOC: Provision	Report Type & QC Level: Level 1 with EDF
Tele/Fax: (925) 275 3806	Phase/WBS: 3	E-mail EDD To: cjevitt@stratusinc.net
	Sub Phase/Task: 3	Invoice to: Atlantic Richfield Co.
	Cost Element: 5	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis							Sample Point Lat/Long and Comments
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	CRO	BTEX	S-Oxygenates (see comments)	11-Metals (See Comments)	Phenolic Compounds by EPA Method 420.1	Oil & Grease by EPA Method 1664	Chemical oxygen demand	
1	00608WINF	0821	1-2-07	X			14	X	X	X			X	X	X	X	X	X	X	Five Oxygenates Requested are: MTBE, TAME, DIPE, ETBE, and TBA 11 Metals Requested are: Arsenic, cadmium, copper, cyanide, lead, mercury, nickel, selenium, silver, chromium, and zinc by EPA Method 200.7	
2	00608WGAC1	0815	}	X			6				X		X	X							
3	00608WGAC2	0820		X			6				X		X	X							
4	00608WEFF	0823		X			15	X	X	X	X		X	X	X	X	X	X			

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>1207</u>	Time: <u>1040</u>	Accepted By / Affiliation: <u>Julia Ng. (MH)</u>	Date: <u>0102</u>	Time: <u>1040</u>
Sampler's Company: <u>Stantec</u>						
Shipment Date: <u>1207</u>						
Shipment Method: <u>Stantec</u>						
Shipment Tracking No:						

Special Instructions: Please forward a copy of the analytical report to bpdrf@broadbentinc.com

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

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

 ORIGINAL

Date: 1-12-07 Technician: CHILL
 Onsite Time: 0450 Weather Conditions: Cold
 Offsite Time: 0605 Ambient Temperature: 30
 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

*Turn system
Back on*

Electric Meter Reading: 50069
 Hour Meter Reading: 34380


Flow Totalizer Reading Before Carbon Treatment: NA
 Flow Totalizer Reading After Carbon Treatment: 4732200

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	1	4	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°F/C	units	msiemens
Effluent	7.5	6.91	647

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

Signature:  Date: 1-12-07

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



Date: 1-24-09 Technician: CHILL
 Onsite Time: 0600 Weather Conditions: Clear
 Offsite Time: 0815 Ambient Temperature: 40
 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: 60231
 Hour Meter Reading: 34669.6

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4732220

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	2	3	3	2

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

System Did Not Pump new Water Filter Plugged - Replace Filter Water Flowing

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

Signature: *Chill*

Date: 1-24-09

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



Date: 1/29/07
 Onsite Time: 1230
 Offsite Time: 1300

Technician: Chill / Kiran
 Weather Conditions: Sunny - 70°F
 Ambient Temperature: 70°F

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: NM

Hour Meter Reading: NM

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4737810

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: Kiran Wajnaraja

Date: 1/29/07

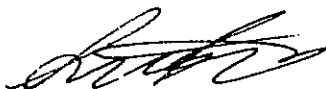
18 January, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQA0015

Enclosed are the results of analyses for samples received by the laboratory on 01/02/07 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

MQA0015
Reported:
01/18/07 13:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQA0015-01	Water	01/02/07 08:04	01/02/07 10:40
00608WGAC1	MQA0015-02	Water	01/02/07 08:15	01/02/07 10:40
00608WGAC2	MQA0015-03	Water	01/02/07 08:20	01/02/07 10:40
00608WEFF	MQA0015-04	Water	01/02/07 08:33	01/02/07 10:40
TB	MQA0015-05	Water	01/02/07 08:15	01/02/07 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

MQA0015
Reported:
01/18/07 13:20

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0015-01) Water Sampled: 01/02/07 08:04 Received: 01/02/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A02012	01/02/07	01/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		73 %	60-145		"	"	"	"	
00608WGAC1 (MQA0015-02) Water Sampled: 01/02/07 08:15 Received: 01/02/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A02012	01/02/07	01/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		74 %	60-145		"	"	"	"	
00608WGAC2 (MQA0015-03) Water Sampled: 01/02/07 08:20 Received: 01/02/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A02012	01/02/07	01/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		73 %	60-145		"	"	"	"	
00608WEFF (MQA0015-04) Water Sampled: 01/02/07 08:33 Received: 01/02/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A02012	01/02/07	01/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		74 %	60-145		"	"	"	"	

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

MQA0015
Reported:
01/18/07 13:20

Total Metals by EPA 200 Series Methods
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0015-01) Water Sampled: 01/02/07 08:04 Received: 01/02/07 10:40									
Silver	ND	20	ug/l	1	7A04026	01/04/07	01/07/07	EPA 200.7	
Arsenic	ND	100	"	"	7A10031	01/10/07	01/17/07	"	
Cadmium	ND	10	"	"	"	"	"	"	
Chromium	ND	20	"	"	"	"	"	"	
Copper	ND	20	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	6L29013	01/03/07	01/03/07	EPA 245.2	
Nickel	ND	50	"	"	7A10031	01/10/07	01/17/07	EPA 200.7	
Lead	ND	100	"	"	"	"	"	"	
Selenium	ND	200	"	"	"	"	"	"	
Zinc	ND	50	"	"	"	"	"	"	

00608WEFF (MQA0015-04) Water Sampled: 01/02/07 08:33 Received: 01/02/07 10:40									
Silver	ND	20	ug/l	1	7A04026	01/04/07	01/07/07	EPA 200.7	
Arsenic	ND	100	"	"	7A10031	01/10/07	01/17/07	"	
Cadmium	ND	10	"	"	"	"	"	"	
Chromium	ND	20	"	"	"	"	"	"	
Copper	ND	20	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	6L29013	01/03/07	01/03/07	EPA 245.2	
Nickel	ND	50	"	"	7A10031	01/10/07	01/17/07	EPA 200.7	
Lead	ND	100	"	"	"	"	"	"	
Selenium	ND	200	"	"	"	"	"	"	
Zinc	ND	50	"	"	"	"	"	"	

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

MQA0015
Reported:
01/18/07 13:20

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 (MQA0015-01) Water **Sampled: 01/02/07 08:04** **Received: 01/02/07 10:40**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7A02012	01/02/07	01/03/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	1.4	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

<i>Surrogate: Dibromofluoromethane</i>		90 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		73 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91 %		60-120	"	"	"	"	

00608WGAC1 (MQA0015-02) Water **Sampled: 01/02/07 08:15** **Received: 01/02/07 10:40**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7A02012	01/02/07	01/03/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

<i>Surrogate: Dibromofluoromethane</i>		92 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		74 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		60-120	"	"	"	"	

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MQA0015
Reported:
01/18/07 13:20

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 (MQA0015-03) Water **Sampled: 01/02/07 08:20** **Received: 01/02/07 10:40**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7A02012	01/02/07	01/03/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	2.1	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90 %	75-130	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		73 %	60-145	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %	60-120	"	"	"	"	"	

00608WEFF (MQA0015-04) Water **Sampled: 01/02/07 08:33** **Received: 01/02/07 10:40**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7A02012	01/02/07	01/03/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90 %	75-130	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		74 %	60-145	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %	60-120	"	"	"	"	"	

Stratus Environmental Inc. [Arco]
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Project Number: G0C24-0017
Project Manager: Jay Johnson

MQA0015
Reported:
01/18/07 13:20

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0015-01) Water Sampled: 01/02/07 08:04 Received: 01/02/07 10:40									
Oil & Grease (HEM)	ND	4800	ug/l	1	7A02019	01/02/07	01/02/07	EPA 1664A	
Total Suspended Solids	ND	10000	"	"	7A04034	01/04/07	01/05/07	EPA 160.2	
00608WEFF (MQA0015-04) Water Sampled: 01/02/07 08:33 Received: 01/02/07 10:40									
Chemical Oxygen Demand	ND	30000	ug/l	1	7A03024	01/02/07	01/02/07	EPA 410.4	
Oil & Grease (HEM)	ND	5000	"	"	7A02019	01/02/07	01/02/07	EPA 1664A	
Total Suspended Solids	ND	10000	"	"	7A04034	01/04/07	01/05/07	EPA 160.2	

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MQA0015
Reported:
01/18/07 13:20

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 7A02012 - EPA 5030B P/T / LUFT GCMS

Blank (7A02012-BLK1)		Prepared & Analyzed: 01/02/07								
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	1.92		"	2.50		77	60-145			
Laboratory Control Sample (7A02012-BS2)		Prepared: 01/02/07 Analyzed: 01/03/07								
Gasoline Range Organics (C4-C12)	520	50	ug/l	500		104	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.01		"	2.50		80	60-145			
Laboratory Control Sample Dup (7A02012-BSD2)		Prepared: 01/02/07 Analyzed: 01/03/07								
Gasoline Range Organics (C4-C12)	514	50	ug/l	500		103	75-140	1	20	
Surrogate: 1,2-Dichloroethane-d4	1.92		"	2.50		77	60-145			

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MQA0015
Reported:
01/18/07 13:20

Total Metals by EPA 200 Series 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 7A04026 - EPA 3005A / EPA 200.7

Blank (7A04026-BLK1) Prepared: 01/04/07 Analyzed: 01/07/07										
Silver	ND	20	ug/l							
Laboratory Control Sample (7A04026-BS1) Prepared: 01/04/07 Analyzed: 01/07/07										
Silver	946	20	ug/l	1000		95	85-115			
Matrix Spike (7A04026-MS1) Source: MPL0720-12 Prepared: 01/04/07 Analyzed: 01/07/07										
Silver	959	20	ug/l	1000	ND	96	70-130			
Matrix Spike Dup (7A04026-MSD1) Source: MPL0720-12 Prepared: 01/04/07 Analyzed: 01/07/07										
Silver	967	20	ug/l	1000	ND	97	70-130	0.8	20	

Batch 7A10031 - EPA 3005A / EPA 200.7

Blank (7A10031-BLK1) Prepared: 01/10/07 Analyzed: 01/15/07										
Arsenic	ND	100	ug/l							
Zinc	ND	50	"							
Lead	ND	100	"							
Selenium	ND	200	"							
Nickel	ND	50	"							
Copper	ND	20	"							
Chromium	ND	20	"							
Cadmium	ND	10	"							
Laboratory Control Sample (7A10031-BS1) Prepared: 01/10/07 Analyzed: 01/15/07										
Copper	952	20	ug/l	1000		95	85-115			
Chromium	953	20	"	1000		95	85-115			
Cadmium	944	10	"	1000		94	85-115			
Arsenic	949	100	"	1000		95	85-115			
Zinc	936	50	"	1000		94	85-115			
Selenium	974	200	"	1000		97	85-115			
Lead	956	100	"	1000		96	85-115			
Nickel	958	50	"	1000		96	85-115			

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Reported:
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Total Metals by EPA 200 Series 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 7A10031 - EPA 3005A / EPA 200.7

Matrix Spike (7A10031-MS1)	Source: MQA0114-01			Prepared: 01/10/07		Analyzed: 01/15/07	
Selenium	962	200	ug/l	1000	ND	96	70-130
Zinc	1320	50	"	1000	390	93	70-130
Arsenic	970	100	"	1000	ND	97	70-130
Nickel	976	50	"	1000	15	96	70-130
Copper	2300	20	"	1000	1300	100	70-130
Cadmium	947	10	"	1000	ND	95	70-130
Lead	948	100	"	1000	ND	95	70-130
Chromium	958	20	"	1000	6.5	95	70-130

Matrix Spike Dup (7A10031-MSD1)	Source: MQA0114-01			Prepared: 01/10/07		Analyzed: 01/15/07			
Lead	911	100	ug/l	1000	ND	91	70-130	4	20
Zinc	1280	50	"	1000	390	89	70-130	3	20
Nickel	941	50	"	1000	15	93	70-130	4	20
Copper	2260	20	"	1000	1300	96	70-130	2	20
Arsenic	901	100	"	1000	ND	90	70-130	7	20
Cadmium	902	10	"	1000	ND	90	70-130	5	20
Chromium	923	20	"	1000	6.5	92	70-130	4	20
Selenium	930	200	"	1000	ND	93	70-130	3	20

Batch 6L29013 - EPA 7470A/1311 TCLP / EPA 245.2

Blank (6L29013-BLK1)				Prepared & Analyzed: 01/03/07	
Mercury	ND	0.20	ug/l		

Laboratory Control Sample (6L29013-BS1)				Prepared & Analyzed: 01/03/07	
Mercury	8.52	0.20	ug/l	8.00	106 80-120

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Reported:
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Total Metals by EPA 200 Series 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 6L29013 - EPA 7470A/1311 TCLP / EPA 245.2

Matrix Spike (6L29013-MS1)	Source: MPL0522-04			Prepared & Analyzed: 01/03/07						
Mercury	8.48	0.20	ug/l	8.00	ND	106	80-120			
Matrix Spike Dup (6L29013-MSD1)	Source: MPL0522-04			Prepared & Analyzed: 01/03/07						
Mercury	8.62	0.20	ug/l	8.00	ND	108	80-120	2	20	

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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 7A02012 - EPA 5030B P/T / EPA 8260B

Blank (7A02012-BLK1)

Prepared & Analyzed: 01/02/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.29		"	2.50		92	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	1.92		"	2.50		77	60-145			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.35		"	2.50		94	60-120			

Laboratory Control Sample (7A02012-BS1)

Prepared: 01/02/07 Analyzed: 01/03/07

tert-Amyl methyl ether	8.71	0.50	ug/l	10.0		87	65-135			
Benzene	9.58	0.50	"	10.0		96	70-125			
tert-Butyl alcohol	170	20	"	200		85	60-135			
Di-isopropyl ether	8.80	0.50	"	10.0		88	70-130			
Ethyl tert-butyl ether	8.71	0.50	"	10.0		87	65-130			
Ethylbenzene	11.2	0.50	"	10.0		112	70-130			
Methyl tert-butyl ether	7.97	0.50	"	10.0		80	50-140			
Toluene	9.97	0.50	"	10.0		100	70-120			
Xylenes (total)	34.3	0.50	"	30.0		114	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.31		"	2.50		92	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	1.95		"	2.50		78	60-145			
<i>Surrogate: Toluene-d8</i>	2.53		"	2.50		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.48		"	2.50		99	60-120			

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Reported:
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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 7A02012 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7A02012-MS1)	Source: MQA0005-01			Prepared: 01/02/07		Analyzed: 01/03/07	
tert-Amyl methyl ether	830	50	ug/l	1000	ND	83	65-135
Benzene	4320	50	"	1000	3400	92	70-125
tert-Butyl alcohol	18500	2000	"	20000	ND	92	60-135
Di-isopropyl ether	852	50	"	1000	ND	85	70-130
Ethyl tert-butyl ether	843	50	"	1000	ND	84	65-130
Ethylbenzene	1830	50	"	1000	740	109	70-130
Methyl tert-butyl ether	805	50	"	1000	35	77	50-140
Toluene	7810	50	"	1000	6900	91	70-120
Xylenes (total)	7420	50	"	3000	4300	104	80-125
<i>Surrogate: Dibromofluoromethane</i>	2.32		"	2.50		93	75-130
<i>Surrogate: 1,2-Dichloroethane-d4</i>	1.91		"	2.50		76	60-145
<i>Surrogate: Toluene-d8</i>	2.52		"	2.50		101	70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	2.44		"	2.50		98	60-120

Matrix Spike Dup (7A02012-MSD1)	Source: MQA0005-01			Prepared: 01/02/07		Analyzed: 01/03/07			
tert-Amyl methyl ether	819	50	ug/l	1000	ND	82	65-135	1	25
Benzene	4320	50	"	1000	3400	92	70-125	0	15
tert-Butyl alcohol	17500	2000	"	20000	ND	88	60-135	6	35
Di-isopropyl ether	847	50	"	1000	ND	85	70-130	0.6	35
Ethyl tert-butyl ether	837	50	"	1000	ND	84	65-130	0.7	35
Ethylbenzene	1810	50	"	1000	740	107	70-130	1	15
Methyl tert-butyl ether	800	50	"	1000	35	76	50-140	0.6	25
Toluene	7820	50	"	1000	6900	92	70-120	0.1	15
Xylenes (total)	7290	50	"	3000	4300	100	80-125	2	15
<i>Surrogate: Dibromofluoromethane</i>	2.33		"	2.50		93	75-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	1.93		"	2.50		77	60-145		
<i>Surrogate: Toluene-d8</i>	2.56		"	2.50		102	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	2.43		"	2.50		97	60-120		

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MQA0015
Reported:
01/18/07 13:20

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 7A04034 - General Preparation / EPA 160.2

Blank (7A04034-BLK1)		Prepared: 01/04/07 Analyzed: 01/05/07								
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7A04034-DUP1)		Source: MQA0116-01 Prepared: 01/04/07 Analyzed: 01/05/07								
Total Suspended Solids	5420	10000	ug/l		5000			8	20	

Batch 7A02019 - General Prep / EPA 1664A

Blank (7A02019-BLK1)		Prepared & Analyzed: 01/02/07								
Oil & Grease (HEM)	ND	5000	ug/l							
Laboratory Control Sample (7A02019-BS1)		Prepared & Analyzed: 01/02/07								
Oil & Grease (HEM)	17000	5000	ug/l	20000		85	75-115			
Matrix Spike (7A02019-MS1)		Source: MQA0015-01 Prepared & Analyzed: 01/02/07								
Oil & Grease (HEM)	16300	4700	ug/l	18900	ND	86	75-115			
Matrix Spike Dup (7A02019-MSD1)		Source: MQA0015-01 Prepared & Analyzed: 01/02/07								
Oil & Grease (HEM)	16100	4800	ug/l	19000	ND	85	75-115	1	20	

Batch 7A03024 - General Preparation / EPA 410.4

Blank (7A03024-BLK1)		Prepared & Analyzed: 01/02/07								
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7A03024-BS1)		Prepared & Analyzed: 01/02/07								
Chemical Oxygen Demand	106000	30000	ug/l	100000		106	90-110			

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

MQA0015
Reported:
01/18/07 13:20

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 7A03024 - General Preparation / EPA 410.4

Matrix Spike (7A03024-MS1)	Source: MQA0015-01		Prepared & Analyzed: 01/02/07							
Chemical Oxygen Demand	126000	33000	ug/l	111000	17000	98	75-125			
Matrix Spike Dup (7A03024-MSD1)	Source: MQA0015-01		Prepared & Analyzed: 01/02/07							
Chemical Oxygen Demand	122000	33000	ug/l	111000	17000	95	75-125	3	15	

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

MQA0015
Reported:
01/18/07 13:20

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 Service Station No. 608
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Northern > 608 > Historical/BI
 State or Lead Regulatory Agency: California Regional Water Quality Control Board
 Requested Due Date (mm/dd/yy): 24 HR T47

On-site Time: <u>0730</u>	Temp: <u>84.5</u>
Off-site Time: <u>0915</u>	Temp: <u>46</u>
Sky Conditions: <u>Clear</u>	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>TestAmerica Analytical Testing Corporation</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u> <u>Morgan Hill, CA 95037</u>	BP/AR Facility Address: <u>17601 Hesperian Boulevard, San Lorenzo</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u> <u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T0600100085</u>	Consultant/Contractor Project No.: <u>ARCO 2077</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 EBM: <u>Paul Supple</u>	Provision or OOC: <u>Provision</u>	Tele/Fax: <u>(530) 676 6000/(530) 676 6005</u>
Address: <u>2010 Crows Landing Road</u> <u>San Ramon, CA</u>	Phase/WBS: <u>3</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
Tele/Fax: <u>(925) 275 3806</u>	Sub Phase/Task: <u>3</u>	E-mail EDD To: <u>cjewitt@stratusinc.net</u>
	Cost Element: <u>5</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
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	6-Oxygenates (see comments)	11-Metals (See Comments)	Phenolic Compounds by EPA Method 420.1	Oil & Grease by EPA Method 1664	Chemical oxygen demand	
1	00608WINF	0801	12-07	X			MOA001K	14	X	X	X			X	X	X	X	X	X	X	Five Oxygenates Requested are: MTBE, TAME, DIPE, ETBE, and TBA 11 Metals Requested are: Arsenic, cadmium, copper, cyanide, lead, mercury, nickel, selenium, silver, chromium, and zinc by EPA Method 200.7
2	00608WGAC1	0815		X			02	6				X		X	X						
3	00608WGAC2	0820		X			03	6				X		X	X						
4	00608WEFF	0823		X			04	15	X	X	X			X	X	X	X	X	X		

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>1207</u>	Time: <u>1040</u>	Accepted By / Affiliation: <u>Julia Ng. (MH)</u>	Date: <u>0102</u>	Time: <u>1040</u>
Sampler's Company: <u>STANTEC</u>						
Shipment Date: <u>1207</u>						
Shipment Method: <u>STANTEC</u>						
Shipment Tracking No:						

Special Instructions: Please forward a copy of the analytical report to bpedr@broadbentinc.com

Custody Seals In Place: Yes (No) | Temp Blank: Yes (No) | Cooler Temp on Receipt: 2-1 °FC | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes (No)

PROBLEM CHAIN-OF-CUSTODY

MQA0015

DATE/TIME 1/2/07

DATE RECEIVED 1/2/07

CLIENT ARCO / STRATUS

TURN AROUND TIME _____

CLIENT SERVICES REP LISA

ANALYST _____

PROBLEM

1.) NO CONTAINER FOR CYANIDE.

2.) RECEIVED 500 ML POLY (H₂SO₄) FOR PHENOLS ; COD (WINF)

3.) RECEIVED 500 ML POLY (H₂SO₄) FOR PHENOLS (WEFF)

RESOLUTION

Client Instruction* Cancel COD for influent
Send 2 set of containers for phenols + cyanides
for delivery 1/4/07

24 hr TAT is eff only + only for G/B/O

Telephone Number of Client: _____

Client Contact for Instruction: Kiran N.

Date and Time of Instruction: 01/03/07 @ 12:58p

Date & Time Form Given to Sample Control: 1/3/07

CLIENT SERVICES REP. SIGNATURE: [Signature]

DATE/TIME: 01/3/07

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

Lisa Race

From: Kiran Nagaraju [knagaraju@stratusinc.net]
Sent: Wednesday, December 27, 2006 1:04 PM
To: Lisa Race
Cc: Jay Johnson; Sandy Hayes; Stephen J Carter
Subject: Sampling Schedule - 01/02/07 to 01/05/07
Follow Up Flag: Follow up
Due By: Wednesday, January 03, 2007 9:00 AM
Flag Status: Red

M Q ADU15

Dear Lisa:

Below is the list of sites and associated samples that will be collected next week. If you have any questions or concerns regarding the schedule, please let me know.

January 2, 2007:

ARCO 1334: Three air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

Two water samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one water sample will be on a 24-hr TAT.

ARCO 2079: Two air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

Three water samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one water sample will be on a 24-hr TAT.

ARCO 706: Three air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

ARCO 608 (tentative): Four water samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). The influent and effluent water sample will also be requested to be analyzed for metals (As, Cd, Cu, Cr, Ni, Se, Ag, Pb, Hg, & Zn by EPA 200.7), phenolic compounds by EPA Method 5530D, and oil and grease for hydrocarbons by EPA Method 1664. The effluent water sample will be on a 24-hr TAT.

ARCO 6206 (tentative): Four water samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). The effluent water sample will be on a 24-hr TAT.

- Per G1510
only per bio.
1/3/07

January 3, 2007:

ARCO 4986 - Three air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

ARCO 6100 - Three air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

ARCO 2168 - Three air samples requesting analysis for GRO, BTEX, and MTBE. Only one air sample will be on a 24-hr TAT.

ARCO 2186 - Three air samples requesting analysis for GRO, BTEX, and MTBE. Only one air sample will be on a 24-hr TAT.

1/3/2007

Thanks & Regards,
Kiran Nagaraju
Staff Engineer
Stratus Environmental, Inc.
Ph: (530) 676 6007
Fax: (530) 676 6005

cc: Doug, Chris, Marty

Lisa:

Just to follow-up on our conversation, on this CoC please

1. Do not analyze the influent water sample for COD and
2. Do not analyze either the influent or the effluent water samples for phenolic compounds and cyanide.

Please send us the appropriate containers (two samples) that will require analysis for phenolic compounds and cyanide.

If you have any questions, please call me at (530) 676 6007.

Thanks,
Kiran

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

From: Lisa Race [mailto:lrace@testamericainc.com]

Sent: Tuesday, January 02, 2007 1:31 PM

To: cjewitt@stratusinc.net; gkowtha@stratusinc.net; jjohnson@stratusinc.net; knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Scott Bittinger; tarkus@stratusinc.net

Subject: Missing or incorrect containers received for ARCO#0608 sampled 1/2/06 - MQA0015

Importance: High

We received one 500 ml H2SO4 poly for the phenols and COD for 00608WINF and one 500 ml H2SO4 poly for phenols on 00608WEFF. These are incorrect containers. The phenols break down with light exposure and should be collected in 500 ml Amber glass. The COD value will be biased high due to leaching of carbon based compounds from the poly containers and should be collected in 3 H2SO4 VOA vials. We did not receive any containers for cyanide. Cyanide should be collected in a 500 ml Poly preserved with NaOH.

Please advise.

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

This transmission contains information that may be legally confidential. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this transmission in error, please reply immediately to the sender that you have received the message in error. Because access to receiving equipment is not under our control, we cannot be responsible for the confidentiality of electronically transmitted data.

1/3/2007

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: BP
 REC. BY (PRINT) JULIENG.
 WORKORDER: MAA0015

DATE REC'D AT LAB: 01/02/07
 TIME REC'D AT LAB: 1040
 DATE LOGGED IN: 1147

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*	<u>(Present)</u>	01	00608 WINF	4(L) A	HCL	-	W	01/02/07	
2. Chain-of-Custody Present / Absent*	<u>(Present)</u>	↓	↓	1(L) P	-	-	↓	↓	
3. Traffic Reports or Packing List: Present / Absent*	<u>(Present)</u>	↓	↓	1(500ml) P	H2SO4		↓	↓	
4. Airbill: Airbill / Sticker Present / Absent*	<u>(Present)</u>	02	00608 WGACT	2(250ml) P	HNO3		↓	↓	
5. Airbill #: _____		03	00608 WGACT	6 VOA	HCL	-	↓	↓	
6. Sample Labels: Present / Absent	<u>(Present)</u>	04	00608 W EFF	6 VOA	HCL	↓	↓	↓	
7. Sample IDs: Listed / Not Listed on Chain-of-Custody	<u>(Listed)</u>	↓	↓	2(L) A	HCL	-	↓	↓	
8. Sample Condition: Intact / Broken* / Leaking*	<u>(Intact)</u>	↓	↓	1(L) P	-	-	↓	↓	
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*	<u>(Yes)</u>	05	TRIPBLANK	1(500ml) P	H2SO4		↓	↓	
10. Sample received within hold time? Yes / No*	<u>(Yes)</u>			2(250ml) P	HNO3		↓	↓	
11. Adequate sample volume received? Yes / No*	<u>(Yes)</u>			6 VOA	HCL	-	↓	↓	
12. Proper preservatives used? Yes / No*	<u>(Yes)</u>			3 VOA	H2SO4	↓	↓	↓	
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*	<u>(Trip Blank)</u>			2 VOA	HCL	↓	↓	↓	
14. Read Temp: <u>2.1</u> °C Corrected Temp: <u>↓</u> Is corrected temp 4 +/-2°C? Yes / No**	<u>(Yes)</u>								

Julieng 01/02/07

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

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

26 January, 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: MQA0484

Enclosed are the results of analyses for samples received by the laboratory on 01/15/07 09:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

MQA0484
Reported:
01/26/07 14:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQA0484-01	Water	01/12/07 05:20	01/15/07 09:45
00608WEFF	MQA0484-02	Water	01/12/07 05:30	01/15/07 09:45

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

MQA0484
Reported:
01/26/07 14:10

INORGANICS
TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0484-01) Water Sampled: 01/12/07 05:20 Received: 01/15/07 09:45									
Total Cyanide	ND	5.0	ug/l	1	7A17136	01/17/07	01/17/07 19:33	EPA 335.2	
00608WEFF (MQA0484-02) Water Sampled: 01/12/07 05:30 Received: 01/15/07 09:45									
Total Cyanide	ND	5.0	ug/l	1	7A17136	01/17/07	01/17/07 19:33	EPA 335.2	

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

MQA0484
Reported:
01/26/07 14:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0484-01) Water Sampled: 01/12/07 05:20 Received: 01/15/07 09:45									
Phenol	ND	50	ug/l	1	7A19020	01/19/07	01/19/07	EPA 420.1	
00608WEFF (MQA0484-02) Water Sampled: 01/12/07 05:30 Received: 01/15/07 09:45									
Phenol	ND	50	ug/l	1	7A19020	01/19/07	01/19/07	EPA 420.1	

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

MQA0484
Reported:
01/26/07 14:10

INORGANICS - Quality Control
TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7A17136 - General Prep / EPA 335.2

Blank (7A17136-BLK1)				Prepared & Analyzed: 01/17/07						
Total Cyanide	ND	5.0	ug/l							
Laboratory Control Sample (7A17136-BS1)				Prepared & Analyzed: 01/17/07						
Total Cyanide	192	5.0	ug/l	200	96	90-110				
Matrix Spike (7A17136-MS1)				Prepared & Analyzed: 01/17/07						
Total Cyanide	207	5.0	ug/l	200	ND	104	70-115			
Matrix Spike Dup (7A17136-MSD1)				Prepared & Analyzed: 01/17/07						
Total Cyanide	207	5.0	ug/l	200	ND	104	70-115	0	15	

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

MQA0484
Reported:
01/26/07 14:10

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7A19020 - General Preparation / EPA 420.1										
Blank (7A19020-BLK1)										
				Prepared & Analyzed: 01/19/07						
Phenol	ND	50	ug/l							
Laboratory Control Sample (7A19020-BS1)										
				Prepared & Analyzed: 01/19/07						
Phenol	549	50	ug/l	600		92	70-135			
Matrix Spike (7A19020-MS1)										
				Prepared & Analyzed: 01/19/07						
Phenol	556	50	ug/l	600	ND	93	70-135			
Matrix Spike Dup (7A19020-MSD1)										
				Prepared & Analyzed: 01/19/07						
Phenol	567	50	ug/l	600	ND	94	70-135	2	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

MQA0484
Reported:
01/26/07 14:10

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

Del Mar Analytical Work Order

IQA1439

Thank you for submitting your environmental testing request to TestAmerica. This work order represents the analyses that you requested from our company. Please review this carefully and inform us immediately of any errors or changes.

Client: TestAmerica - Morgan Hill, CA
Project: BP/ARCO project

Project Number: MQA0484

Report To:
TestAmerica - Morgan Hill, CA
Lisa Race
885 Jarvis Drive
Morgan Hill, CA 95037
Phone: (408) 776-9600
Fax: (408) 782-6308

Invoice To:
TestAmerica - Morgan Hill, CA
Accounts Payable
885 Jarvis Drive
Morgan Hill, CA 95037
Phone : (408) 776-9600
Fax: (408) 782-6308

Project Manager: Pat Abe

Date Due: 01/25/07 (7 day TAT)

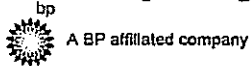
Received By: Elizabeth Chavez

Date Received: 1/16/2007 10:05:57 AM

Samples Received at:	3°C	Samples Preserved Properly:	Yes
All containers intact:	Yes	Custody Seals Present:	No
Sample labels/COC agree:	Yes	Samples Received on Ice:	Yes

Laboratory Number	Sample Description	Sample Matrix	Analyses
IQA1439-01	MQA0484-01	Water	Cyanide-335.2 5ppb
IQA1439-02	MQA0484-02	Water	Cyanide-335.2 5ppb

Atlantic Richfield Company



Chain of Custody Record

Project Name: ARCO Service Station No. 608
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Northern > 608 > Historical/BL
 State or Lead Regulatory Agency: California Regional Water Quality Control Board
 Requested Due Date (mm/dd/yy): Handwritten signature

On-site Time: <u>0450</u>	Temp: <u>30</u>
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: TestAmerica Analytical Testing Corporation	BP/AR Facility No.: 608	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive Morgan Hill, CA 95037	BP/AR Facility Address: 17601 Hesperian Boulevard, San Lorenzo Site Lat/Long:	Address: 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682
Lab PM: Lisa Race Tele/Fax: (408) 782 8156/(408) 782 6308	California Global ID No.: T0600100085 Enfos Project No.: G0C24-0017	Consultant/Contractor Project No.: ARCO 2077 Consultant/Contractor PM: Jay Johnson
BP/AR EBM: Paul Supple Address: 2010 Crows Landing Road San Ramon, CA Tele/Fax: (925) 275 3806	Provision or OOC: Provision Phase/WBS: 3 Sub Phase/Task: 3 Cost Element: 5	Tele/Fax: (530) 676 6000/(530) 676 6005 Report Type & QC Level: Level 1 with EDF E-mail EDD To: cjewitt@stratusinc.net Invoice to: Atlantic Richfield Co.

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Sample Point Lat/Long and Comments		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	Total Cyanide	Phenolic Compounds by EPA Method 420.1						
1	00608WINF	<u>0500</u>	<u>1/20/07</u>	X			<u>01</u>	<u>2</u>	X						x	x					MQA0484
2	00608WEFF	<u>0530</u>	<u>1/20/07</u>	X			<u>02</u>	<u>2</u>	X						x	x					

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>Handwritten signature</u>	Date: <u>1/20/07</u>	Time: <u>1400</u>	Accepted By / Affiliation: <u>Julie R. (M.H.)</u>	Date: <u>1/15</u>	Time: <u>0945</u>
Sampler's Company: <u>Handwritten</u>						
Shipment Date: <u>1/20/07</u>						
Shipment Method: <u>FedEx</u>						
Shipment Tracking No:						

Special Instructions: Please forward a copy of the analytical report to bpedf@broadhentic.com

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO
 REC. BY (PRINT) JULIENG.
 WORKORDER: MPT 0489

DATE REC'D AT LAB: 1/15/07
 TIME REC'D AT LAB: 0945
 DATE LOGGED IN: 1-15-07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent <input checked="" type="checkbox"/> Intact / Broken*	1	00608 WIEFF	1(500ml) A	H2SO4	1	W	1/12/07	
2. Chain-of-Custody Present / Absent*	2	00608 WIEFF	1() P	NaOH	12	↓	↓	
3. Traffic Reports or Packing List: Present / Absent <input checked="" type="checkbox"/>			SAME	SAME		SAME		
4. Airbill: Airbill / Sticker Present / Absent <input checked="" type="checkbox"/>								
5. Airbill #: <u>See Attached</u>								
6. Sample Labels: Present / Absent <input checked="" type="checkbox"/>								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody <input checked="" type="checkbox"/>								
8. Sample Condition: Intact / Broken* / Leaking* <input checked="" type="checkbox"/>								
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No* <input checked="" type="checkbox"/>								
10. Sample received within hold time? Yes / No* <input checked="" type="checkbox"/>								
11. Adequate sample volume received? Yes / No* <input checked="" type="checkbox"/>								
12. Proper preservatives used? Yes / No* <input checked="" type="checkbox"/>								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No* <input checked="" type="checkbox"/>								
14. Read Temp: <u>4.3°C</u> Corrected Temp: <u>↓</u> Is corrected temp 4 +/- 2°C? Yes / No** <input checked="" type="checkbox"/>								

Filed by 1/15/07

(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

March 6, 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 February 5 and 20, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Kiran Nagaraju

Phone Number: (530) 676-6007

On-Site Supplier Representative: Kiran Nagaraju

System Overview: Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

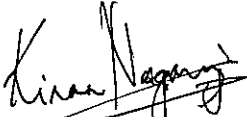
Scope of Work Performed: Conduct routine operation and maintenance and record system measurements. System samples were collected on February 5, 2007.

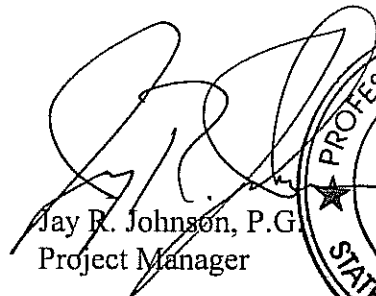
Variations from Work Scope: None


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)



Date: 2-5-07 Technician: CHIC
 Onsite Time: 0840 Weather Conditions: Clear
 Offsite Time: _____ Ambient Temperature: 60
 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: 50417
 Hour Meter Reading: 34960

Flow Totalizer Reading Before Carbon Treatment: NA
 Flow Totalizer Reading After Carbon Treatment: 4742700
 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	2.5	2.5	3	3

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°F	units	msiemens
Effluent	13°C	6.79	192.7

Sampling Information (Monthly)			
Sample ID	Date & Time		Sample ID
00608WINF	2507	0855	
00608WGAC1	}	0900	
00608WGAC2		0905	
00608WEFF		0910	

TB6082507

0912

Signature: [Signature]

Date: 2-5-07

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



Date: 2 20 07 Technician: CHILL
 Onsite Time: 0540 Weather Conditions: Cloudy - Rain
 Offsite Time: 0615 Ambient Temperature: 45
 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: 50627
 Hour Meter Reading: 35316.4

Flow Totalizer Reading Before Carbon Treatment: _____

Flow Totalizer Reading After Carbon Treatment: 4751030

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>3</u>	<u>4</u>	<u>4</u>

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: 2-20-07

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): 24 HRTAT

ORIGINAL

On-site Time: <u>0840</u>	Temp: <u>50</u>
Off-site Time: <u>0950</u>	Temp: <u>52</u>
Sky Conditions: <u>CLM</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</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.:
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: <u>G0C24</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>cjewitt@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	
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRD-BKX	5 OXY S	TSS 100.2	CO-D 410.4		
1	00608 W INT	0855	2/5/07	X			6						X	X					Standard TAT
2	00608 W GAL 1	0900		X			6						X	X					Standard TAT
3	00608 W GAL 2	0905		X			6						X	X					Standard TAT
4	00608 W EFF	0910		X			10	X		Y			X	X	X	X			24 HRTAT
5																			
6																			
7																			
8	TB608 2507	0912	2/5/07	X															Hold
9																			
10																			

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>2/5/07</u>	Time: <u>1145</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>2/5/07</u>	Time: <u>1145</u>
Sampler's Company: <u>Stratus</u>						
Shipment Date: <u>2/5/07</u>						
Shipment Method: <u>Stratus</u>						
Shipment Tracking No: _____						

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

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

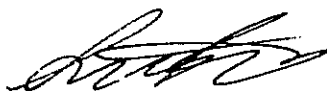
19 February, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQB0115

Enclosed are the results of analyses for samples received by the laboratory on 02/05/07 11:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

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

MQB0115
Reported:
02/19/07 13:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQB0115-01	Water	02/05/07 08:55	02/05/07 11:45
00608WGAC1	MQB0115-02	Water	02/05/07 09:00	02/05/07 11:45
00608WGAC2	MQB0115-03	Water	02/05/07 09:05	02/05/07 11:45
00608WEFF	MQB0115-04	Water	02/05/07 09:10	02/05/07 11:45
TB6082507	MQB0115-05	Water	02/05/07 09:12	02/05/07 11:45

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

These samples were received with no custody seals.

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

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

MQB0115
Reported:
02/19/07 13:18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQB0115-01) Water Sampled: 02/05/07 08:55 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	70	50	ug/l	1	7B14027	02/14/07	02/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		108 %	60-145		"	"	"	"	
00608WGAC1 (MQB0115-02) Water Sampled: 02/05/07 09:00 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B14027	02/14/07	02/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		107 %	60-145		"	"	"	"	
00608WGAC2 (MQB0115-03) Water Sampled: 02/05/07 09:05 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B14027	02/14/07	02/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		102 %	60-145		"	"	"	"	
00608WEFF (MQB0115-04) Water Sampled: 02/05/07 09:10 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B06002	02/06/07	02/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-145		"	"	"	"	

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

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

MQB0115
Reported:
02/19/07 13:18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQB0115-01) Water Sampled: 02/05/07 08:55 Received: 02/05/07 11:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	7.1	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	60-145		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96 %	60-120		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	75-130		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	70-130		"	"	"	"	
00608WGAC1 (MQB0115-02) Water Sampled: 02/05/07 09:00 Received: 02/05/07 11:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	60-145		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %	60-120		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		104 %	75-130		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99 %	70-130		"	"	"	"	

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

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

MQB0115
Reported:
02/19/07 13:18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
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00608WGAC2 (MQB0115-03) Water Sampled: 02/05/07 09:05 Received: 02/05/07 11:45

tert-Amyl methyl ether	ND	0.50	ug/l	1	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	4.5	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	60-145	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %	60-120	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %	75-130	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99 %	70-130	"	"	"	"	"	

00608WEFF (MQB0115-04) Water Sampled: 02/05/07 09:10 Received: 02/05/07 11:45

tert-Amyl methyl ether	ND	0.50	ug/l	1	7B06002	02/06/07	02/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %	60-145	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %	60-120	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %	75-130	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95 %	70-130	"	"	"	"	"	

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

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

MQB0115
Reported:
02/19/07 13:18

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WEFF (MQB0115-04) Water Sampled: 02/05/07 09:10 Received: 02/05/07 11:45									
Chemical Oxygen Demand	ND	30000	ug/l	1	7B06016	02/05/07	02/05/07	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	7B06018	"	02/06/07	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- Project Manager: Jay Johnson	MQB0115 Reported: 02/19/07 13:18
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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 7B06002 - EPA 5030B P/T / LUFT GCMS

Blank (7B06002-BLK1)										
Prepared & Analyzed: 02/06/07										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.47		"	2.50		99	60-145			
Laboratory Control Sample (7B06002-BS2)										
Prepared & Analyzed: 02/06/07										
Gasoline Range Organics (C4-C12)	450	50	ug/l	500		90	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.04		"	2.50		82	60-145			
Laboratory Control Sample Dup (7B06002-BSD2)										
Prepared & Analyzed: 02/06/07										
Gasoline Range Organics (C4-C12)	450	50	ug/l	500		90	75-140	0	20	
Surrogate: 1,2-Dichloroethane-d4	2.01		"	2.50		80	60-145			

Batch 7B14027 - EPA 5030B P/T / LUFT GCMS

Blank (7B14027-BLK1)										
Prepared: 02/14/07 Analyzed: 02/15/07										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.43		"	2.50		97	60-145			
Laboratory Control Sample (7B14027-BS2)										
Prepared: 02/14/07 Analyzed: 02/15/07										
Gasoline Range Organics (C4-C12)	544	50	ug/l	500		109	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.42		"	2.50		97	60-145			
Laboratory Control Sample Dup (7B14027-BSD2)										
Prepared: 02/14/07 Analyzed: 02/15/07										
Gasoline Range Organics (C4-C12)	523	50	ug/l	500		105	75-140	4	20	
Surrogate: 1,2-Dichloroethane-d4	2.43		"	2.50		97	60-145			

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

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

MQB0115
Reported:
02/19/07 13:18

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 7B06002 - EPA 5030B P/T / EPA 8260B

Blank (7B06002-BLK1)

Prepared & Analyzed: 02/06/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.47		"	2.50		99	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.47		"	2.50		99	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.57		"	2.50		103	75-130			
<i>Surrogate: Toluene-d8</i>	2.55		"	2.50		102	70-130			

Laboratory Control Sample (7B06002-BS1)

Prepared & Analyzed: 02/06/07

tert-Amyl methyl ether	11.0	0.50	ug/l	10.0		110	65-135			
Benzene	10.6	0.50	"	10.0		106	70-125			
tert-Butyl alcohol	189	20	"	200		94	60-135			
Di-isopropyl ether	9.82	0.50	"	10.0		98	70-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	65-130			
Ethylbenzene	10.2	0.50	"	10.0		102	70-130			
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	50-140			
Toluene	10.5	0.50	"	10.0		105	70-120			
Xylenes (total)	31.3	0.50	"	30.0		104	80-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.48		"	2.50		99	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.64		"	2.50		106	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.63		"	2.50		105	75-130			
<i>Surrogate: Toluene-d8</i>	2.71		"	2.50		108	70-130			

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

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

MQB0115
Reported:
02/19/07 13:18

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 7B06002 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7B06002-MS1)	Source: MQB0113-04			Prepared & Analyzed: 02/06/07						
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135			
Benzene	10.7	0.50	"	10.0	ND	107	70-125			
tert-Butyl alcohol	206	20	"	200	ND	103	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0	ND	103	70-130			
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	65-130			
Ethylbenzene	10.3	0.50	"	10.0	ND	103	70-130			
Methyl tert-butyl ether	10.7	0.50	"	10.0	ND	107	50-140			
Toluene	10.2	0.50	"	10.0	ND	102	70-120			
Xylenes (total)	31.6	0.50	"	30.0	ND	105	80-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.52		"	2.50		101	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.56		"	2.50		102	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.66		"	2.50		106	75-130			
<i>Surrogate: Toluene-d8</i>	2.55		"	2.50		102	70-130			

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

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

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

MQB0115
Reported:
02/19/07 13:18

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 7B14027 - EPA 5030B P/T / EPA 8260B

Blank (7B14027-BLK1)

Prepared: 02/14/07 Analyzed: 02/15/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.43		"	2.50		97	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.35		"	2.50		94	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.47		"	2.50		99	75-130			
<i>Surrogate: Toluene-d8</i>	2.51		"	2.50		100	70-130			

Laboratory Control Sample (7B14027-BS1)

Prepared: 02/14/07 Analyzed: 02/15/07

tert-Amyl methyl ether	11.2	0.50	ug/l	10.0		112	65-135			
Benzene	9.73	0.50	"	10.0		97	70-125			
tert-Butyl alcohol	170	20	"	200		85	60-135			
Di-isopropyl ether	10.7	0.50	"	10.0		107	70-130			
Ethyl tert-butyl ether	10.8	0.50	"	10.0		108	65-130			
Ethylbenzene	9.71	0.50	"	10.0		97	70-130			
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	50-140			
Toluene	9.77	0.50	"	10.0		98	70-120			
Xylenes (total)	30.0	0.50	"	30.0		100	80-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.46		"	2.50		98	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.46		"	2.50		98	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-130			
<i>Surrogate: Toluene-d8</i>	2.60		"	2.50		104	70-130			

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

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

MQB0115
Reported:
02/19/07 13:18

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 7B14027 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7B14027-MS1)	Source: MQB0115-03			Prepared: 02/14/07		Analyzed: 02/15/07				
tert-Amyl methyl ether	13.9	0.50	ug/l	10.0	ND	139	65-135			
Benzene	12.0	0.50	"	10.0	ND	120	70-125			
tert-Butyl alcohol	221	20	"	200	ND	110	60-135			
Di-isopropyl ether	13.2	0.50	"	10.0	ND	132	70-130			LM
Ethyl tert-butyl ether	13.6	0.50	"	10.0	ND	136	65-130			LM
Ethylbenzene	11.9	0.50	"	10.0	ND	119	70-130			
Methyl tert-butyl ether	18.6	0.50	"	10.0	4.5	141	50-140			LM
Toluene	11.7	0.50	"	10.0	ND	117	70-120			
Xylenes (total)	36.6	0.50	"	30.0	ND	122	80-125			
Surrogate: 1,2-Dichloroethane-d4	2.59		"	2.50		104	60-145			
Surrogate: 4-Bromofluorobenzene	2.39		"	2.50		96	60-120			
Surrogate: Dibromofluoromethane	2.53		"	2.50		101	75-130			
Surrogate: Toluene-d8	2.53		"	2.50		101	70-130			

Matrix Spike Dup (7B14027-MSD1)	Source: MQB0115-03			Prepared: 02/14/07		Analyzed: 02/15/07				
tert-Amyl methyl ether	12.4	0.50	ug/l	10.0	ND	124	65-135	11	25	
Benzene	10.6	0.50	"	10.0	ND	106	70-125	12	15	
tert-Butyl alcohol	194	20	"	200	ND	97	60-135	13	35	
Di-isopropyl ether	11.9	0.50	"	10.0	ND	119	70-130	10	35	
Ethyl tert-butyl ether	12.1	0.50	"	10.0	ND	121	65-130	12	35	
Ethylbenzene	10.6	0.50	"	10.0	ND	106	70-130	12	15	
Methyl tert-butyl ether	16.7	0.50	"	10.0	4.5	122	50-140	11	25	
Toluene	10.7	0.50	"	10.0	ND	107	70-120	9	15	
Xylenes (total)	32.8	0.50	"	30.0	ND	109	80-125	11	15	
Surrogate: 1,2-Dichloroethane-d4	2.53		"	2.50		101	60-145			
Surrogate: 4-Bromofluorobenzene	2.48		"	2.50		99	60-120			
Surrogate: Dibromofluoromethane	2.59		"	2.50		104	75-130			
Surrogate: Toluene-d8	2.53		"	2.50		101	70-130			

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

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

MQB0115
Reported:
02/19/07 13:18

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 7B06018 - General Preparation / EPA 160.2

Blank (7B06018-BLK1)										
					Prepared: 02/05/07 Analyzed: 02/06/07					
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7B06018-DUP1)										
		Source: MQB0115-04			Prepared: 02/05/07 Analyzed: 02/06/07					
Total Suspended Solids	ND	10000	ug/l		ND				20	

Batch 7B06016 - General Preparation / EPA 410.4

Blank (7B06016-BLK1)										
					Prepared & Analyzed: 02/05/07					
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7B06016-BS1)										
					Prepared & Analyzed: 02/05/07					
Chemical Oxygen Demand	109000	30000	ug/l	100000	15000	92	90-110			
Matrix Spike (7B06016-MS1)										
		Source: MQB0115-04			Prepared & Analyzed: 02/05/07					
Chemical Oxygen Demand	107000	30000	ug/l	100000	15000	92	75-125			
Matrix Spike Dup (7B06016-MSD1)										
		Source: MQB0115-04			Prepared & Analyzed: 02/05/07					
Chemical Oxygen Demand	110000	30000	ug/l	100000	15000	95	75-125	3	15	

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

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

MQB0115
Reported:
02/19/07 13:18

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



bp
A BP affiliated company

Chain of Custody Record

REVISED

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): 24 HZTAT

On-site Time: <u>0840</u>	Temp: <u>50</u>
Off-site Time: <u>0930</u>	Temp: <u>52</u>
Sky Conditions: <u>Cloud</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</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>T600100085</u>	Consultant/Contractor Project No.:
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>cjewitt@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	
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRD-BOX	5-BOX	TSS 100.2	CO ₂ 410.4		
1	00608 W INT	0855	2/5/07	X			1199015	6					X	X					5 BOXS TBA, ETBE, MTBE TAME Dipe Standard TAT
2	00608 W GAL 1	0900		X				6					X	X					Standard TAT
3	00608 W GAL 2	0905		X				6					X	X					Standard TAT
4	00608 W EFF	0910		X				10	X				X	X	X	X			24 HZTAT
5																			
6																			
7																			
8	1B608 2507	0912	2-5-07	X				6											Hold
9																			
10																			

Sampler's Name: <u>Chris Hill</u>	Requested By / Affiliation: _____	Date: <u>2507</u>	Time: <u>1145</u>	Accepted By / Affiliation: _____	Date: <u>2/5/07</u>	Time: <u>1145</u>
Sampler's Company: <u>Stratus</u>						
Shipment Date: <u>2507</u>						
Shipment Method: <u>Stratus</u>						
Shipment Tracking No:						
Special Instructions: <u>Please cc results to miller@broadbentinc.com</u>						

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

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): 24 HZTAT

On-site Time: <u>0840</u>	Temp: <u>50</u>
Off-site Time: <u>0950</u>	Temp: <u>52</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</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.: _____
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: <u>G0C24</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>ciewitt@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		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRD-Blox	5 Oxy S	TSS 1002	COD 410.4			
1	00608 W INF	0855	2/07	X			147B115	6					X	X					Standard TAT	
2	00608 W GAL 1	0900)	X			62	6						X	X				Standard TAT	
3	00608 W GAL 2	0905		X			63	6							X	X				Standard TAT
4	00608 W EFF	0910		X			64	10	X	X			X	X	X	X				24 HZTAT
5																				
6																				
7																				
8	1B608 2507	0912	2/07	X			65												Hold	
9																				
10																				

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: _____	Date: <u>2/07</u>	Time: <u>1145</u>	Accepted By / Affiliation: _____	Date: <u>2/5/07</u>	Time: <u>1145</u>
Sampler's Company: <u>Stratus</u>						
Shipment Date: <u>2/07</u>						
Shipment Method: <u>Stratus</u>						
Shipment Tracking No: _____						

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

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Shalus
 REC. BY (PRINT) EB
 WORKORDER: M4B0115

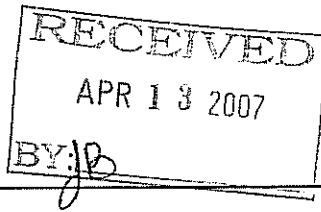
DATE REC'D AT LAB: 2-5-07
 TIME REC'D AT LAB: 1145
 DATE LOGGED IN: 2-5-07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*								A diagonal line is drawn across the table from the top-left to the bottom-right. The date "2-5-07" is written along this line.
2. Chain-of-Custody Present / Absent*								
3. Traffic Reports or Packing List: Present / Absent								
4. Airbill: Airbill / Sticker Present / Absent								
5. Airbill #:								
6. Sample Labels: Present / Absent								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*								
10. Sample received within hold time? Yes / No*								
11. Adequate sample volume received? Yes / No*								
12. Proper preservatives used? Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*								
14. Read Temp: <u>4.8C</u> Corrected Temp: <u>4.8C</u> Is corrected temp 4 +/- 2°C? Yes / No**								

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

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



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

April 6, 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 March 5, 12, 19, 28, and 30, 2007)

General Information

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

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

On-Site Supplier Representative: Kiran Nagaraju

System Overview: Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

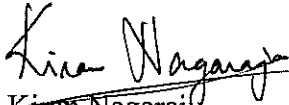
Scope of Work Performed: Conduct routine operation and maintenance and record system measurements. System samples were collected on March 5.


Variations from Work Scope: Since MTBE was reported in the mid-fluent water sample collected on March 5, 2007, a carbon sample was collected on March 12, 2007 to profile the carbon for changeout and disposal. The system was shutdown on March 28, 2007, the carbon charge-out completed, and the vessel were charged with potable water. The system was restarted on March 30, 2007.

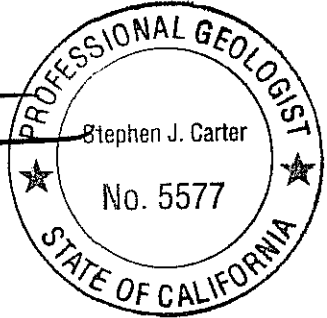
The attachments include field data sheets, chain of custody documentation and certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not 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.


Kiran Nagaraju
Staff Engineer


Stephen J. Carter, P.G.
Project Manager



Attachments:

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

CC: Paul Supple, BP/ARCO

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



Date: 3-5-07 Technician: CHILL
 Onsite Time: 0745 Weather Conditions: Clear
 Offsite Time: 0835 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 Non-operational

Electric Meter Reading: 51825
 Hour Meter Reading: 35630.6

Flow Totalizer Reading Before Carbon Treatment: NA
 Flow Totalizer Reading After Carbon Treatment: 4756760
 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	3	3

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent	18.3	7.31	847

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
00608WINF	3507 0810		
00608WGAC1	} 0805		
00608WGAC2	} 0800		
00608WEFF	} 0755		

TB6083507 0812
 Signature: [Signature] Date: 3507

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



Date: 3-12-07
 Onsite Time: 0500
 Offsite Time: 0730
 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: 51930

Hour Meter Reading: 35795.3

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4759580

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	3	3

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			

change Bag Filter
collect Carbon Sample

Signature: [Handwritten Signature]

Date: 3-12-07

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



Date: 3-19-07 Technician: CHILL
 Onsite Time: 1000 Weather Conditions: Clear
 Offsite Time: 1030 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: 51038

Hour Meter Reading: 35968.3

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4762270

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	4	4.5	4.5

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: [Handwritten Signature]

Date: 3-19-07

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

ORIGINAL

Date: 3-28-07 Technician: CHILL
 Onsite Time: 0500 Weather Conditions: clear
 Offsite Time: 1900 Ambient Temperature: 60

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: 51172

Hour Meter Reading: 36178.3

Flow Totalizer Reading ^{After} ~~Before~~ Carbon Treatment: 4762980

Carbon change out

Flow Totalizer Reading After Carbon Treatment:

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	m Siemens
Effluent			

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

Signature: *Chill*

Date: 32807

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

ORIGINAL

Date: 33007 Technician: OHILL
 Onsite Time: 0530 Weather Conditions: CLM
 Offsite Time: 715 Ambient Temperature: 45
 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: 51172
 Hour Meter Reading: 36178.3

*Restart Artec
 Carbon charge
 out Filled
 with water
 3:28:07
 Let sit*

Flow Totalizer Reading Before Carbon Treatment: —
 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	<u>2</u>	<u>2.5</u>	<u>1</u>	<u>1.7</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: 33007



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>0745</u>	Temp: <u>50</u>
Off-site Time: <u>0835</u>	Temp: <u>50</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>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 I 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	00608 WINF	0800	3/7/07	x				4				X			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	00608 WGAC1	0805		x				4				X			X	X	X						
3	00608 WGAC2	0800		x				4				X			X	X	X						
4	00608 WEFF	0755		x				10				X			X	X	X	X	X				
5																							
6																							
7	TBL 08 3507	0812	3/8/07					1															Hold
8																							
9																							
10																							

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature] Stratus</u>	Date: <u>3/5/07</u>	Time: <u>10:55</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>3/5/07</u>	Time: <u>11:00</u>
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>3-5-07</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: °F/C | Trip Blank: Yes No | MS/MSD Sample Submitted: Yes No

Chain of Custody Record

COPY

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): 5-day TAT

On-site Time: <u>0500</u>	Temp: <u>50</u>
Off-site Time: <u>0730</u>	Temp: <u>50</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>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>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>

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis			Turnaround Time			Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	10 VOCs by TCLP, see comments	24-hours	Standard	Standard			
1	00608CARBON	<u>0600</u>	<u>3/12/07</u>	x									x				x			10 VOCs to be analyzed by TCLP method are: Vinyl chloride, 1,1-dichloroethene, chloroform, 1,2-dichloroethane, methyl ethyl ketone butanone, carbon tetrachloride, trichloroethene, benzene, tetrachloroethene, and chlorobenzene.
2																				
3																				
4																				
5																				
6																				
7																				
8																				

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>3/12/07</u>	Time: <u>1400</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date:	Time:
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>3-12-07</u>						
Shipment Method: <u>FedEx</u>						
Shipment Tracking No:						

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

SHIP FedEx

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 March, 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: MQC0085

Enclosed are the results of analyses for samples received by the laboratory on 03/05/07 11:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

MQC0085
Reported:
03/19/07 12:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQC0085-01	Water	03/05/07 08:10	03/05/07 11:00
00608WGAC1	MQC0085-02	Water	03/05/07 08:05	03/05/07 11:00
00608WGAC2	MQC0085-03	Water	03/05/07 08:00	03/05/07 11:00
00608WEFF	MQC0085-04	Water	03/05/07 07:55	03/05/07 11:00
TB6083507	MQC0085-05	Water	03/05/07 08:12	03/05/07 11:00

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

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

MQC0085
Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQC0085-01) Water Sampled: 03/05/07 08:10 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	87	50	ug/l	1	7C06008	03/06/07	03/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		102 %	60-145		"	"	"	"	
00608WGAC1 (MQC0085-02) Water Sampled: 03/05/07 08:05 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C06008	03/06/07	03/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		103 %	60-145		"	"	"	"	
00608WGAC2 (MQC0085-03) Water Sampled: 03/05/07 08:00 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C06008	03/06/07	03/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		103 %	60-145		"	"	"	"	
00608WEFF (MQC0085-04) Water Sampled: 03/05/07 07:55 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C06003	03/06/07	03/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		112 %	60-145		"	"	"	"	

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

MQC0085
Reported:
03/19/07 12:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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00608WINF (MQC0085-01) Water Sampled: 03/05/07 08:10 Received: 03/05/07 11:00

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C06008	03/06/07	03/06/07	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	5.8	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97 %		60-120	"	"	"	"	

00608WGAC1 (MQC0085-02) Water Sampled: 03/05/07 08:05 Received: 03/05/07 11:00

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C06008	03/06/07	03/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91 %		60-120	"	"	"	"	

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

MQC0085
Reported:
03/19/07 12:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
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00608WGAC2 (MQC0085-03) Water **Sampled: 03/05/07 08:00** **Received: 03/05/07 11:00**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C06008	03/06/07	03/06/07	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	4.2	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

<i>Surrogate: Dibromofluoromethane</i>		100 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %		60-120	"	"	"	"	

00608WEFF (MQC0085-04) Water **Sampled: 03/05/07 07:55** **Received: 03/05/07 11:00**

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C06003	03/06/07	03/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

<i>Surrogate: Dibromofluoromethane</i>		99 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		84 %		60-120	"	"	"	"	

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

MQC0085
Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WEFF (MQC0085-04) Water Sampled: 03/05/07 07:55 Received: 03/05/07 11:00									
Chemical Oxygen Demand	ND	30000	ug/l	1	7C12019	03/09/07	03/09/07	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	7C07007	03/06/07	03/07/07	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

MQC0085
Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C06003 - EPA 5030B P/T / LUFT GCMS

Blank (7C06003-BLK1)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.63		"	2.50		105	60-145			
Laboratory Control Sample (7C06003-BS2)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	469	50	ug/l	500		94	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.51		"	2.50		100	60-145			
Laboratory Control Sample Dup (7C06003-BSD2)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	484	50	ug/l	500		97	75-140	3	20	
Surrogate: 1,2-Dichloroethane-d4	2.58		"	2.50		103	60-145			

Batch 7C06008 - EPA 5030B P/T / LUFT GCMS

Blank (7C06008-BLK1)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.58		"	2.50		103	60-145			
Laboratory Control Sample (7C06008-BS2)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	490	50	ug/l	500		98	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.54		"	2.50		102	60-145			
Laboratory Control Sample Dup (7C06008-BSD2)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	526	50	ug/l	500		105	75-140	7	20	
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-145			

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

MQC0085
Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C06003 - EPA 5030B P/T / EPA 8260B

Blank (7C06003-BLK1)

Prepared & Analyzed: 03/06/07

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>	2.37		"	2.50		95	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.63		"	2.50		105	60-145			
<i>Surrogate: Toluene-d8</i>	2.28		"	2.50		91	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.02		"	2.50		81	60-120			

Laboratory Control Sample (7C06003-BS1)

Prepared & Analyzed: 03/06/07

tert-Amyl methyl ether	10.4	0.50	ug/l	10.0		104	65-135			
Benzene	10.0	0.50	"	10.0		100	70-125			
tert-Butyl alcohol	206	20	"	200		103	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0		103	70-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	65-130			
Ethylbenzene	11.4	0.50	"	10.0		114	70-130			
Methyl tert-butyl ether	10.5	0.50	"	10.0		105	50-140			
Toluene	10.4	0.50	"	10.0		104	70-120			
Xylenes (total)	34.4	0.50	"	30.0		115	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.53		"	2.50		101	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-145			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.63		"	2.50		105	60-120			

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Project Manager: Jay Johnson

MQC0085
Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C06003 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7C06003-MS1)	Source: MQC0085-04			Prepared & Analyzed: 03/06/07						
tert-Amyl methyl ether	12.3	0.50	ug/l	10.0	ND	123	65-135			
Benzene	11.4	0.50	"	10.0	0.25	112	70-125			
tert-Butyl alcohol	228	20	"	200	ND	114	60-135			
Di-isopropyl ether	12.0	0.50	"	10.0	ND	120	70-130			
Ethyl tert-butyl ether	12.4	0.50	"	10.0	ND	124	65-130			
Ethylbenzene	13.0	0.50	"	10.0	ND	130	70-130			
Methyl tert-butyl ether	12.5	0.50	"	10.0	ND	125	50-140			
Toluene	11.7	0.50	"	10.0	ND	117	70-120			
Xylenes (total)	39.2	0.50	"	30.0	ND	131	80-125			LM
<i>Surrogate: Dibromofluoromethane</i>	2.54		"	2.50		102	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.59		"	2.50		104	60-145			
<i>Surrogate: Toluene-d8</i>	2.52		"	2.50		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.66		"	2.50		106	60-120			

Matrix Spike Dup (7C06003-MSD1)	Source: MQC0085-04			Prepared & Analyzed: 03/06/07						
tert-Amyl methyl ether	10.7	0.50	ug/l	10.0	ND	107	65-135	14	25	
Benzene	10.2	0.50	"	10.0	0.25	100	70-125	11	15	
tert-Butyl alcohol	214	20	"	200	ND	107	60-135	6	35	
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	70-130	11	35	
Ethyl tert-butyl ether	11.0	0.50	"	10.0	ND	110	65-130	12	35	
Ethylbenzene	11.8	0.50	"	10.0	ND	118	70-130	10	15	
Methyl tert-butyl ether	11.0	0.50	"	10.0	ND	110	50-140	13	25	
Toluene	10.4	0.50	"	10.0	ND	104	70-120	12	15	
Xylenes (total)	35.2	0.50	"	30.0	ND	117	80-125	11	15	
<i>Surrogate: Dibromofluoromethane</i>	2.64		"	2.50		106	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.49		"	2.50		100	60-145			
<i>Surrogate: Toluene-d8</i>	2.48		"	2.50		99	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.60		"	2.50		104	60-120			

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

MQC0085
Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C06008 - EPA 5030B P/T / EPA 8260B

Blank (7C06008-BLK1)

Prepared & Analyzed: 03/06/07

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>	2.40		"	2.50		96	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.58		"	2.50		103	60-145			
<i>Surrogate: Toluene-d8</i>	2.45		"	2.50		98	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.40		"	2.50		96	60-120			

Laboratory Control Sample (7C06008-BS1)

Prepared & Analyzed: 03/06/07

tert-Amyl methyl ether	11.1	0.50	ug/l	10.0		111	65-135			
Benzene	10.5	0.50	"	10.0		105	70-125			
tert-Butyl alcohol	204	20	"	200		102	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0		111	70-130			
Ethyl tert-butyl ether	10.7	0.50	"	10.0		107	65-130			
Ethylbenzene	10.6	0.50	"	10.0		106	70-130			
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	50-140			
Toluene	10.1	0.50	"	10.0		101	70-120			
Xylenes (total)	31.4	0.50	"	30.0		105	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-145			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.48		"	2.50		99	60-120			

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

MQC0085
Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C06008 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7C06008-MS1)	Source: MQC0084-02			Prepared & Analyzed: 03/06/07						
tert-Amyl methyl ether	11.9	0.50	ug/l	10.0	ND	119	65-135			
Benzene	10.5	0.50	"	10.0	ND	105	70-125			
tert-Butyl alcohol	217	20	"	200	ND	108	60-135			
Di-isopropyl ether	11.3	0.50	"	10.0	ND	113	70-130			
Ethyl tert-butyl ether	11.2	0.50	"	10.0	ND	112	65-130			
Ethylbenzene	10.7	0.50	"	10.0	ND	107	70-130			
Methyl tert-butyl ether	11.0	0.50	"	10.0	ND	110	50-140			
Toluene	10.2	0.50	"	10.0	ND	102	70-120			
Xylenes (total)	31.6	0.50	"	30.0	ND	105	80-125			
Surrogate: Dibromofluoromethane	2.57		"	2.50		103	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.60		"	2.50		104	60-145			
Surrogate: Toluene-d8	2.48		"	2.50		99	70-130			
Surrogate: 4-Bromofluorobenzene	2.55		"	2.50		102	60-120			

Matrix Spike Dup (7C06008-MSD1)	Source: MQC0084-02			Prepared & Analyzed: 03/06/07						
tert-Amyl methyl ether	11.8	0.50	ug/l	10.0	ND	118	65-135	0.8	25	
Benzene	10.7	0.50	"	10.0	ND	107	70-125	2	15	
tert-Butyl alcohol	225	20	"	200	ND	112	60-135	4	35	
Di-isopropyl ether	11.7	0.50	"	10.0	ND	117	70-130	3	35	
Ethyl tert-butyl ether	11.3	0.50	"	10.0	ND	113	65-130	0.9	35	
Ethylbenzene	10.9	0.50	"	10.0	ND	109	70-130	2	15	
Methyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	50-140	2	25	
Toluene	10.4	0.50	"	10.0	ND	104	70-120	2	15	
Xylenes (total)	32.7	0.50	"	30.0	ND	109	80-125	3	15	
Surrogate: Dibromofluoromethane	2.59		"	2.50		104	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.55		"	2.50		102	60-145			
Surrogate: Toluene-d8	2.46		"	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2.52		"	2.50		101	60-120			

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

MQC0085
Reported:
03/19/07 12:46

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 7C07007 - General Preparation / EPA 160.2

Blank (7C07007-BLK1)		Prepared: 03/06/07 Analyzed: 03/07/07								
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7C07007-DUP1)		Source: MQC0085-04 Prepared: 03/06/07 Analyzed: 03/07/07								
Total Suspended Solids	ND	10000	ug/l		ND				20	

Batch 7C12019 - General Preparation / EPA 410.4

Blank (7C12019-BLK1)		Prepared & Analyzed: 03/09/07								
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7C12019-BS1)		Prepared & Analyzed: 03/09/07								
Chemical Oxygen Demand	107000	30000	ug/l	100000		107	90-110			
Matrix Spike (7C12019-MS1)		Source: MQB0850-01 Prepared & Analyzed: 03/09/07								
Chemical Oxygen Demand	92000	30000	ug/l	100000	ND	92	75-125			
Matrix Spike Dup (7C12019-MSD1)		Source: MQB0850-01 Prepared & Analyzed: 03/09/07								
Chemical Oxygen Demand	91000	30000	ug/l	100000	ND	91	75-125	1	15	

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

MQC0085
Reported:
03/19/07 12:46

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Monday, March 19, 2007 11:08 AM
To: Lisa Race
Subject: RE: Pleas verify global ID for ARCO#0608 - MQC0085

Hi Lisa,

Should be T0600100085.

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: Monday, March 19, 2007 10:54 AM
To: shayes@stratusinc.net
Subject: Pleas verify global ID for ARCO#0608 - MQC0085
Importance: High

The global ID has only 10 digits. Please verify.

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

This transmission contains information that may be legally confidential. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this transmission in error, please reply immediately to the sender that you have received the message in error. Because access to receiving equipment is not under our control, we cannot be responsible for the confidentiality of electronically transmitted data.

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: <u>0745</u>	Temp: <u>50</u>
Off-site Time: <u>0835</u>	Temp: <u>50</u>
Sky Conditions: <u>Cloud</u>	
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	California Global ID No.: T600100085	Consultant/Contractor Project No.: E608-03
Tele/Fax: 408-782-8156/408-782-6308	Enfos Project No.: G0C24-0017	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150 San Ramon, CA	Phase/WBS: 03-O&M	Report Type & QC Level: Level 1 with EDF
Tele/Fax: 925-275-3506/925-275-3815	Sub Phase/Task: 03-Analytical	E-mail EDD To: shaves@stratusinc.net
	Cost Element: Subcontractor Cost	Invoice to: Atlantic Richfield Co.

Item No.	Sample Description	Time	Date	Matrix			Laboratory No. <u>MRL00085</u>	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	0800	3-5-07	x			01	1						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	5						x	x	x						
3	00608WGAC2	0800		x			03	4							x	x	x					
4	00608WEFF	0755		x			04	10							x	x	x	x	x	x		
5																						
6																						
7	TBL083507	0812	3-5-07				05	1													HOLD	
8																						
9																						
10																						

Sampler's Name: <u>Chris Hill</u>	Requested By / Affiliation: <u>[Signature]</u>	Date: <u>3/5/07</u>	Time: <u>10:05</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>3/5/07</u>	Time: <u>11:00</u>
Sampler's Company: Stratus Environmental, Inc.						
Shipment Date: <u>3-5-07</u>						
Shipment Method: <u>Stratus</u>						
Shipment Tracking No:						

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

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

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Analysis
 REC. BY (PRINT): EP
 WORKORDER: MPC6085

DATE REC'D AT LAB: 3-5-07
 TIME REC'D AT LAB: 1100
 DATE LOGGED IN: 3-5-07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	PH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent <input checked="" type="radio"/> Intact / Broken* <input type="radio"/>	01	00608 WINE	4 wa	HCE	-	L	3-5-07	
2. Chain-of-Custody Present / Absent* <input checked="" type="radio"/>	02	00608 WGAC 1	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / Absent <input checked="" type="radio"/>	03	L 2	↓	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / Absent <input checked="" type="radio"/>	04	00608 W EFF	4 wa	HCE	↓	↓	↓	
	↓	L	4 wa	H504	↓	↓	↓	
	↓		12 poly (2)	-	↓	↓	↓	
5. Airbill #: _____	05	TBL083507	1 wa	HCE	↓	↓	↓	
6. Sample Labels: Present / Absent <input checked="" type="radio"/>								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody <input checked="" type="radio"/>								
8. Sample Condition: Intact / Broken* / Leaking* <input checked="" type="radio"/>								
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No* <input type="radio"/>								
10. Sample received within hold time? <input checked="" type="radio"/> Yes / No* <input type="radio"/>								
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No* <input type="radio"/>								
12. Proper preservatives used? <input checked="" type="radio"/> Yes / No* <input type="radio"/>								
13. Trip Blank / Temp Blank Received? (circle which, if yes) <input checked="" type="radio"/> Yes / No* <input type="radio"/>								
14. Read Temp: <u>EC</u> Corrected Temp: <u>EC</u> Is corrected temp 4 ± 2°C? <input checked="" type="radio"/> Yes / No* <input type="radio"/>								
(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.

20 March, 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: MQC0390

Enclosed are the results of analyses for samples received by the laboratory on 03/13/07 10:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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	MQC0390 Reported: 03/20/07 11:50
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608CARBON	MQC0390-01	Solid	03/12/07 06:00	03/13/07 10:10

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

MQC0390
Reported:
03/20/07 11:50

TCLP Volatile Organic Compounds by EPA Method 1311/8260B
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608CARBON (MQC0390-01) Solid Sampled: 03/12/07 06:00 Received: 03/13/07 10:10									
Benzene	ND	500	ug/l	1	7C17005	03/16/07	03/17/07	EPA 8260B	
2-Butanone	ND	200000	"	"	"	"	"	"	
Carbon tetrachloride	ND	500	"	"	"	"	"	"	
Chlorobenzene	ND	100000	"	"	"	"	"	"	
Chloroform	ND	6000	"	"	"	"	"	"	
1,2-Dichloroethane	ND	500	"	"	"	"	"	"	
1,1-Dichloroethene	ND	700	"	"	"	"	"	"	
Tetrachloroethene	ND	700	"	"	"	"	"	"	
Trichloroethene	ND	500	"	"	"	"	"	"	
Vinyl chloride	ND	200	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		45-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92 %		55-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %		70-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82 %		60-120	"	"	"	"	

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Reported:
03/20/07 11:50

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C17005 - EPA 1311/ZHE/5030A / EPA 8260B

Blank (7C17005-BLK1)

Prepared: 03/16/07 Analyzed: 03/17/07

Benzene	ND	500	ug/l							
2-Butanone	ND	200000	"							
Carbon tetrachloride	ND	500	"							
Chlorobenzene	ND	100000	"							
Chloroform	ND	6000	"							
1,2-Dichloroethane	ND	500	"							
1,1-Dichloroethene	ND	700	"							
Tetrachloroethene	ND	700	"							
Trichloroethene	ND	500	"							
Vinyl chloride	ND	200	"							
<i>Surrogate: Dibromofluoromethane</i>	2.40		"	2.50		96	45-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.45		"	2.50		98	55-135			
<i>Surrogate: Toluene-d8</i>	2.47		"	2.50		99	70-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	1.96		"	2.50		78	60-120			

Laboratory Control Sample (7C17005-BS1)

Prepared: 03/16/07 Analyzed: 03/17/07

Benzene	1080	500	ug/l	1000		108	70-130			
2-Butanone	6410	200000	"	5000		128	50-135			
Carbon tetrachloride	868	500	"	1000		87	70-140			
Chlorobenzene	1020	100000	"	1000		102	75-140			
Chloroform	1090	6000	"	1000		109	70-140			
1,2-Dichloroethane	1160	500	"	1000		116	70-120			
1,1-Dichloroethene	929	700	"	1000		93	75-140			
Tetrachloroethene	1020	700	"	1000		102	45-150			
Trichloroethene	1000	500	"	1000		100	80-145			
Vinyl chloride	944	200	"	1000		94	10-150			
<i>Surrogate: Dibromofluoromethane</i>	2.38		"	2.50		95	45-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.74		"	2.50		110	55-135			
<i>Surrogate: Toluene-d8</i>	2.41		"	2.50		96	70-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.12		"	2.50		85	60-120			

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

MQC0390
Reported:
03/20/07 11:50

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C17005 - EPA 1311/ZHE/5030A / EPA 8260B

Matrix Spike (7C17005-MS1)	Source: MQC0410-01		Prepared: 03/16/07		Analyzed: 03/17/07					
Benzene	1100	500	ug/l	1000	ND	110	70-130			
2-Butanone	6390	200000	"	5000	ND	128	50-135			
Carbon tetrachloride	939	500	"	1000	ND	94	70-140			
Chlorobenzene	1060	100000	"	1000	ND	106	75-140			
Chloroform	1110	6000	"	1000	25	108	70-140			
1,2-Dichloroethane	1160	500	"	1000	ND	116	70-120			
1,1-Dichloroethene	986	700	"	1000	ND	99	75-140			
Tetrachloroethene	1050	700	"	1000	ND	105	45-150			
Trichloroethene	1070	500	"	1000	ND	107	80-145			
Vinyl chloride	1040	200	"	1000	ND	104	10-150			
<i>Surrogate: Dibromofluoromethane</i>	<i>2.44</i>		<i>"</i>	<i>2.50</i>		<i>98</i>	<i>45-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.58</i>		<i>"</i>	<i>2.50</i>		<i>103</i>	<i>55-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>2.48</i>		<i>"</i>	<i>2.50</i>		<i>99</i>	<i>70-120</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>2.17</i>		<i>"</i>	<i>2.50</i>		<i>87</i>	<i>60-120</i>			
Matrix Spike Dup (7C17005-MSD1)	Source: MQC0410-01		Prepared: 03/16/07		Analyzed: 03/17/07					
Benzene	1070	500	ug/l	1000	ND	107	70-130	3	25	
2-Butanone	8610	200000	"	5000	ND	172	50-135	30	40	LM
Carbon tetrachloride	888	500	"	1000	ND	89	70-140	6	20	
Chlorobenzene	1060	100000	"	1000	ND	106	75-140	0	25	
Chloroform	1110	6000	"	1000	25	108	70-140	0	25	
1,2-Dichloroethane	1240	500	"	1000	ND	124	70-120	7	30	LM
1,1-Dichloroethene	982	700	"	1000	ND	98	75-140	0.4	25	
Tetrachloroethene	1030	700	"	1000	ND	103	45-150	2	20	
Trichloroethene	1050	500	"	1000	ND	105	80-145	2	20	
Vinyl chloride	958	200	"	1000	ND	96	10-150	8	40	
<i>Surrogate: Dibromofluoromethane</i>	<i>2.45</i>		<i>"</i>	<i>2.50</i>		<i>98</i>	<i>45-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.57</i>		<i>"</i>	<i>2.50</i>		<i>103</i>	<i>55-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>2.37</i>		<i>"</i>	<i>2.50</i>		<i>95</i>	<i>70-120</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>2.11</i>		<i>"</i>	<i>2.50</i>		<i>84</i>	<i>60-120</i>			

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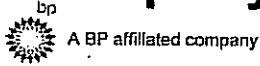
Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQC0390
Reported:
03/20/07 11:50

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Atlantic Richfield Company



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): 5-day TAT

On-site Time: <u>0500</u>	Temp: <u>50</u>
Off-site Time: <u>0730</u>	Temp: <u>50</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>TG00100085</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>

Lab Bottle Order No:	Item No.	Sample Description	Time	Date	Matrix			Laboratory No. <u>1490390</u>	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	10 VOCs by TCLP, see comments	24-hours	Standard	Standard			
	1	00608CARBON	<u>Flow</u>	<u>3/12/07</u>	x			<u>01</u>	1					x				x			10 VOCs to be analyzed by TCLP method are: Vinyl chloride, 1,1-dichloroethene, chloroform, 1,2-dichloroethane, methyl ethyl ketone butanone, carbon tetrachloride, trichloroethene, benzene, tetrachloroethene, and chlorobenzene.
	2																				
	3																				
	4																				
	5																				
	6																				
	7																				
	8																				

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>3/20/07</u>	Time: <u>1400</u>	Accepted By / Affiliation: <u>Andy Medina</u>	Date: <u>3-18-07</u>	Time: <u>1200</u>
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>3-12-07</u>						
Shipment Method: <u>FedEx</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: 4.6 °F | Trip Blank: Yes (No) | MS/MSD Sample Submitted: Yes (No)

SHIP Fed Ex

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco
 REC. BY (PRINT) A.M.
 WORKORDER: 1192 6390

DATE REC'D AT LAB: 3-13-07
 TIME REC'D AT LAB: 1010
 DATE LOGGED IN: 3-13-07

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="checkbox"/> Absent Intact / Broken*								<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;"> 5-5-07 A.M. See COC </div>
2. Chain-of-Custody <input checked="" type="checkbox"/> Present / Absent*								
3. Traffic Reports or Packing List: <input checked="" type="checkbox"/> Present / Absent								
4. Airbill: Airbill / <input checked="" type="checkbox"/> Sticker Present / Absent								
5. Airbill #: <u>8585 2228 2179 FedEx</u>								
6. Sample Labels: Present / Absent								
7. Sample IDs: <input checked="" type="checkbox"/> Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: <input checked="" type="checkbox"/> Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="checkbox"/> Yes / No*								
10. Sample received within hold time? <input checked="" type="checkbox"/> Yes / No*								
11. Adequate sample volume received? <input checked="" type="checkbox"/> Yes / No*								
12. Proper preservatives used? <input checked="" type="checkbox"/> Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / <input checked="" type="checkbox"/> No*								
14. Read Temp: <u>14.6°C</u> Corrected Temp: <u>14.6°C</u> Is corrected temp 4 +/-2°C? Yes / <input checked="" type="checkbox"/> 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.



RECEIVED
FEB 14 2007
BY: _____

COPY

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

February 9, 2007
Project No. E608-3

RECEIVED
FEB 16 2007
BY: JB

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

Subject: Monthly Discharge Report - January 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 January 2, 2007 through January 29, 2007. The GWETS operational parameters for January 2007 are summarized below:

<i>Treatment System Status:</i>	Continuous operation
<i>Reporting Period:</i>	January 2, 2007 to January 29, 2007
<i>Volume Discharged This Period:</i>	5,624 gallons
<i>Average Flow Rate This Period:</i>	0.06 gallons per minute (gpm) [Between January 2 and 24, 2006]
<i>Effluent pH Reading:</i>	6.86 on 01/02/07, and 6.91 on 01/12/07
<i>Analytical Report:</i>	See Appendix B

Discussion:

During January 2007, Stratus conducted four site visits (Appendix A) to start-up the GWETS, collect influent, mid-fluent (GAC1 and GAC2), and effluent water samples, and to conduct maintenance as warranted. The GWETS was shutdown since December 5, 2006, to facilitate the change of operator information from URS Corporation Americas (URS) to Stratus. Upon receipt of the modified permit (dated December 28, 2006) from Oro Loma Sanitary District (OLSD), Stratus re-started the GWETS on January 2, 2007.

In accordance with OLSD permit requirements, Stratus collected influent, mid-fluent (GAC1 and GAC2, Figure 3), and effluent water samples on January 2, 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 influent and effluent water samples collected on January 2, 2007, were also analyzed for total suspended solids (TSS) by USEPA Method 160.2 and the effluent water was analyzed for chemical oxygen demand (COD) by EPA Method 1664A. In addition, per discussions with OLSD personnel, the influent and effluent water samples were also collected for one-time analysis for select metals and total oil and grease on January 2, 2007, and for total cyanide and phenols on January 12, 2007. Copies of analytical reports with chain-of-custody documentation are included in Appendix B.

The GWETS was shutdown on January 2, 2007, after collecting the remediation system samples pending receipt and verification of analytical results. Upon receipt and compliance verification of the effluent water sample collected on January 2, 2007, the GWETS was re-started on January 12, 2007. The GWETS was observed to be non-operating during a site visit conducted on January 24, 2007, due to clogging of particulate filters. The filter bags were replaced and the system was re-started on the same day. The GWETS appears to have operated continuously since then, which was verified during a non-scheduled site visit conducted on January 29, 2007.

GRO and benzene concentrations in the influent, mid-fluent (GAC1 and GAC2), and effluent water samples collected on January 2, 2007 were below laboratory reporting limits. The MTBE concentrations in the influent and GAC2 water samples collected on January 2, 2007, were reported at 1.4 µg/L and at 2.1 µg/L, respectively. The MTBE concentrations in the GAC1 and effluent water samples were both below laboratory reporting limits. Metals such as silver, arsenic, cadmium, chromium, copper, mercury, nickel, lead, selenium, and zinc concentrations in both influent and effluent water samples were below laboratory reporting limits. Total oil and grease, cyanide, and TSS concentrations were also below laboratory reporting limits for influent and/or effluent water samples.

Between January 2, 2007 and January 29, 2007, approximately 5,624 gallons of groundwater were extracted, treated, and discharged to the sanitary sewer. Based on the totalizer and hour meter readings for the period of January 2 to January 24, 2007, the groundwater flow rate was estimated to be approximately 0.06 gpm.

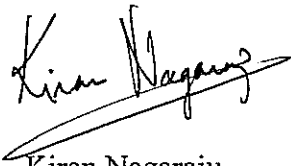
CERTIFICATION

"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."

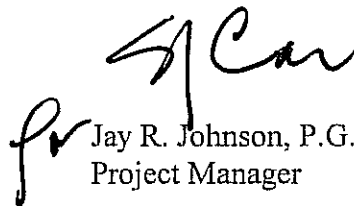
If you have any questions regarding this report, please contact Jay Johnson at (530) 676-6000.

Sincerely,

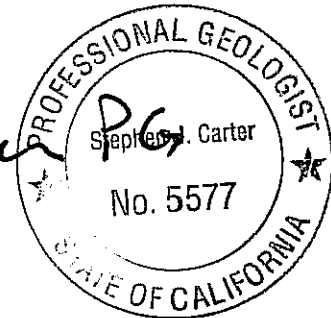
STRATUS ENVIRONMENTAL, INC.



Kiran Nagaraju
Staff 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	---	---	---

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)
07/14/94	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	325,630	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

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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)
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
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

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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)
04/20/05		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	---	---	---	---	---	---	---	---	---	---
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	0.6	4,732,220	20	0.00	---	---	---	---	---	---	---	---	---
01/29/07		NM	---	4,737,810	5,590	---	---	---	---	---	---	---	---	---	---

REPORTING PERIOD:	1/02/06 to 01/29/07
CUMULATIVE GALLONS EXTRACTED:	8,739,584
PERIOD GALLONS EXTRACTED:	5,624
TOTAL POUNDS REMOVED:	7.54
TOTAL GALLONS REMOVED:	1.24
AVERAGE PERIOD (1/2/07 to 1/24/07) FLOW RATE (gpm):	0.06
PERIOD (1/2/07 to 1/24/07) PERCENT OPERATIONAL:	54.8%
PERIOD POUNDS REMOVED:	NA
PERIOD GALLONS REMOVED:	NA
	0.31
	0.04
	NA
	NA
	2.968
	0.48
	NA
	NA

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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.

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)	Ethylbenzene (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
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 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

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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)										
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	---	---	---	---

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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-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
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	---	---	---	---

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-2 (between secondary and tertiary carbons) continued										
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	---	---	---	---
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	---	---	---	---

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-2 (between secondary and tertiary carbons) continued										
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
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	---	---	---	---	---

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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)
EFFL (effluent to sewer) (continued)										
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	---
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	---

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)										
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
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

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)										
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

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



SCALE 1:24,000



STRATUS
 ENVIRONMENTAL, INC.

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

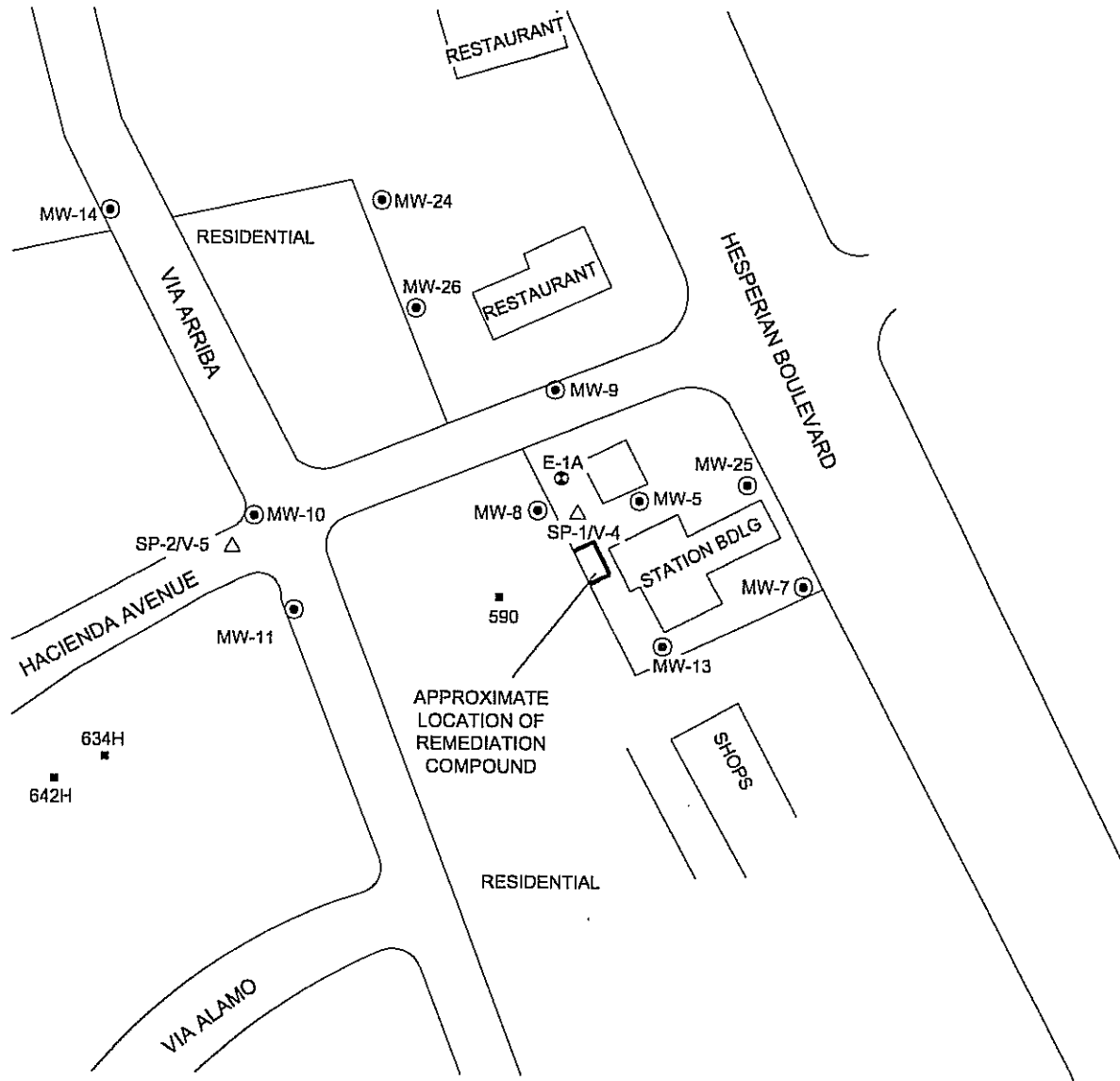
SITE LOCATION MAP

FIGURE

1

PROJECT NO.
 U608

ARCO 608 BX11Siteplan.dwg
REV
Feb 08 2007
JMP

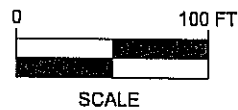


LEGEND

- 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.

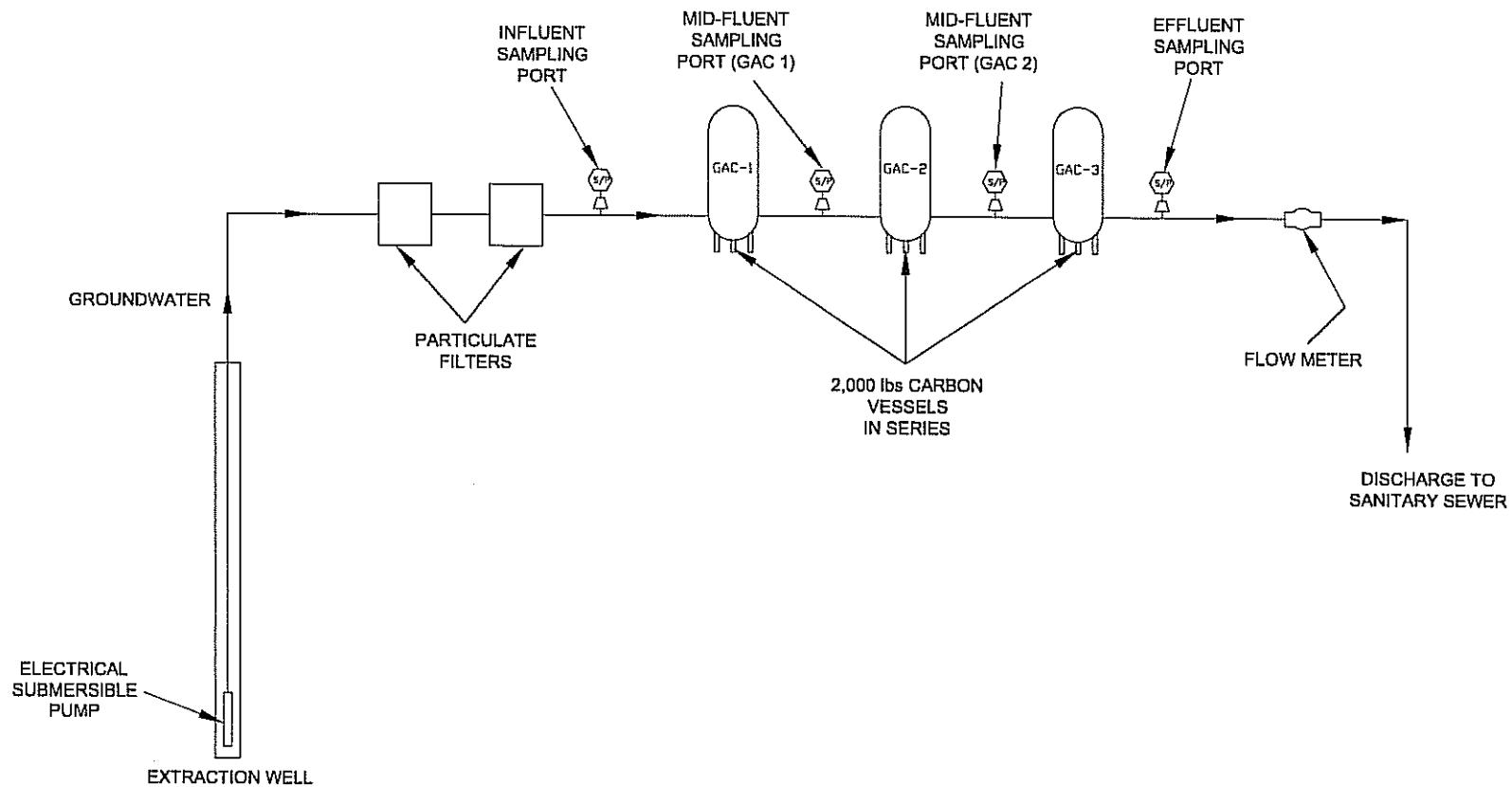
STRATUS
ENVIRONMENTAL, INC.



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

SITE PLAN

FIGURE
2
PROJECT NO.
U608



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: 1-2-07 Technician: CITILL
 Onsite Time: 0730 Weather Conditions: Clear
 Offsite Time: 0915 Ambient Temperature: 45
 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: 50059
 Hour Meter Reading: 34380

Flow Totalizer Reading Before Carbon Treatment: NA

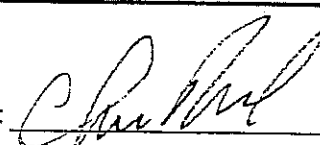
Flow Totalizer Reading After Carbon Treatment: 4732190

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	2	5	4	8

Sample Port	Field Measurements (Monthly)		
	Temperature °E	pH units	Electrical Conductivity msiemens
Effluent	8.8	6.86	632

Sampling Information (Monthly)			
Sample ID	Date & Time	Sample ID	Date & Time
14 00608WINF	1-2-07 0804		
00608WGAC1	} 0815		
00608WGAC2	} 0820		
00608WEFF	} 0833		

TB-
 Signature:  Date: 1207

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

 ORIGINAL

Date: 1-12-07 Technician: CHILL
 Onsite Time: 0450 Weather Conditions: Cold
 Offsite Time: 0605 Ambient Temperature: 30
 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

Turn system back on

Electric Meter Reading: 50069
 Hour Meter Reading: 34380

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4732200

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	1	4	4	4

Sample Port	Field Measurements (Monthly)		
	Temperature °C	pH units	Electrical Conductivity msiemens
Effluent	7.5	6.91	647

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

Signature:  Date: 1-12-07

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

Date: 1-24-09
 Onsite Time: 0600
 Offsite Time: 0815
 Technician: CHILL
 Weather Conditions: Clear
 Ambient Temperature: 40
 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: 60231
 Hour Meter Reading: 34669.6

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4732220

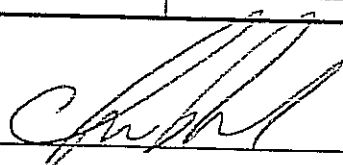
No. of Carbon Vessels: Three 2,400 Pound Virgin Coconut Shell Carbon in Series

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

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

System Did Not Pump much water Filter Plugged - Replace Filter water flowing

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

Signature: 

Date: 1-24-09

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

Date: 1/29/07
 Onsite Time: 1230
 Offsite Time: 1300

Technician: Chill/Kiran
 Weather Conditions: Sunny - 70°F
 Ambient Temperature: 70°F

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: NM

Hour Meter Reading: NM

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4737810

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: Kiran Nagaraja

Date: 1/29/07

APPENDIX B

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

18 January, 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: MQA0015

Enclosed are the results of analyses for samples received by the laboratory on 01/02/07 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

MQA0015
Reported:
01/18/07 13:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQA0015-01	Water	01/02/07 08:04	01/02/07 10:40
00608WGAC1	MQA0015-02	Water	01/02/07 08:15	01/02/07 10:40
00608WGAC2	MQA0015-03	Water	01/02/07 08:20	01/02/07 10:40
00608WEFF	MQA0015-04	Water	01/02/07 08:33	01/02/07 10:40
TB	MQA0015-05	Water	01/02/07 08:15	01/02/07 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

MQA0015
Reported:
01/18/07 13:20

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0015-01) Water Sampled: 01/02/07 08:04 Received: 01/02/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A02012	01/02/07	01/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		73 %	60-145		"	"	"	"	
00608WGAC1 (MQA0015-02) Water Sampled: 01/02/07 08:15 Received: 01/02/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A02012	01/02/07	01/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		74 %	60-145		"	"	"	"	
00608WGAC2 (MQA0015-03) Water Sampled: 01/02/07 08:20 Received: 01/02/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A02012	01/02/07	01/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		73 %	60-145		"	"	"	"	
00608WEFF (MQA0015-04) Water Sampled: 01/02/07 08:33 Received: 01/02/07 10:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7A02012	01/02/07	01/03/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		74 %	60-145		"	"	"	"	

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

MQA0015
Reported:
01/18/07 13:20

Total Metals by EPA 200 Series Methods
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0015-01) Water Sampled: 01/02/07 08:04 Received: 01/02/07 10:40									
Silver	ND	20	ug/l	1	7A04026	01/04/07	01/07/07	EPA 200.7	
Arsenic	ND	100	"	"	7A10031	01/10/07	01/17/07	"	
Cadmium	ND	10	"	"	"	"	"	"	
Chromium	ND	20	"	"	"	"	"	"	
Copper	ND	20	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	6L29013	01/03/07	01/03/07	EPA 245.2	
Nickel	ND	50	"	"	7A10031	01/10/07	01/17/07	EPA 200.7	
Lead	ND	100	"	"	"	"	"	"	
Selenium	ND	200	"	"	"	"	"	"	
Zinc	ND	50	"	"	"	"	"	"	
00608WEFF (MQA0015-04) Water Sampled: 01/02/07 08:33 Received: 01/02/07 10:40									
Silver	ND	20	ug/l	1	7A04026	01/04/07	01/07/07	EPA 200.7	
Arsenic	ND	100	"	"	7A10031	01/10/07	01/17/07	"	
Cadmium	ND	10	"	"	"	"	"	"	
Chromium	ND	20	"	"	"	"	"	"	
Copper	ND	20	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	6L29013	01/03/07	01/03/07	EPA 245.2	
Nickel	ND	50	"	"	7A10031	01/10/07	01/17/07	EPA 200.7	
Lead	ND	100	"	"	"	"	"	"	
Selenium	ND	200	"	"	"	"	"	"	
Zinc	ND	50	"	"	"	"	"	"	

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

MQA0015
Reported:
01/18/07 13:20

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0015-01) Water Sampled: 01/02/07 08:04 Received: 01/02/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7A02012	01/02/07	01/03/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	1.4	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		73 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91 %		60-120	"	"	"	"	
00608WGAC1 (MQA0015-02) Water Sampled: 01/02/07 08:15 Received: 01/02/07 10:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7A02012	01/02/07	01/03/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		74 %		60-145	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		70-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		60-120	"	"	"	"	

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	MQA0015 Reported: 01/18/07 13:20
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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								

00608WGAC2 (MQA0015-03) Water Sampled: 01/02/07 08:20 Received: 01/02/07 10:40

tert-Amyl methyl ether	ND	0.50		ug/l	1	7A02012	01/02/07	01/03/07	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	2.1	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		90 %		75-130		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		73 %		60-145		"	"	"	"	
Surrogate: Toluene-d8		100 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95 %		60-120		"	"	"	"	

00608WEFF (MQA0015-04) Water Sampled: 01/02/07 08:33 Received: 01/02/07 10:40

tert-Amyl methyl ether	ND	0.50		ug/l	1	7A02012	01/02/07	01/03/07	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		90 %		75-130		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		74 %		60-145		"	"	"	"	
Surrogate: Toluene-d8		100 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90 %		60-120		"	"	"	"	

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	MQA0015 Reported: 01/18/07 13:20
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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
00608WINF (MQA0015-01) Water Sampled: 01/02/07 08:04 Received: 01/02/07 10:40									
Oil & Grease (HEM)	ND	4800	ug/l	1	7A02019	01/02/07	01/02/07	EPA 1664A	
Total Suspended Solids	ND	10000	"	"	7A04034	01/04/07	01/05/07	EPA 160.2	
00608WEFF (MQA0015-04) Water Sampled: 01/02/07 08:33 Received: 01/02/07 10:40									
Chemical Oxygen Demand	ND	30000	ug/l	1	7A03024	01/02/07	01/02/07	EPA 410.4	
Oil & Grease (HEM)	ND	5000	"	"	7A02019	01/02/07	01/02/07	EPA 1664A	
Total Suspended Solids	ND	10000	"	"	7A04034	01/04/07	01/05/07	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	MQA0015 Reported: 01/18/07 13:20
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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 7A02012 - EPA 5030B P/T / LUFT GCMS

Blank (7A02012-BLK1)										
										Prepared & Analyzed: 01/02/07
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	1.92		"	2.50		77	60-145			
Laboratory Control Sample (7A02012-BS2)										
										Prepared: 01/02/07 Analyzed: 01/03/07
Gasoline Range Organics (C4-C12)	520	50	ug/l	500		104	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.01		"	2.50		80	60-145			
Laboratory Control Sample Dup (7A02012-BSD2)										
										Prepared: 01/02/07 Analyzed: 01/03/07
Gasoline Range Organics (C4-C12)	514	50	ug/l	500		103	75-140	1	20	
Surrogate: 1,2-Dichloroethane-d4	1.92		"	2.50		77	60-145			

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

MQA0015
Reported:
01/18/07 13:20

Total Metals by EPA 200 Series 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 7A04026 - EPA 3005A / EPA 200.7

Blank (7A04026-BLK1) Prepared: 01/04/07 Analyzed: 01/07/07										
Silver	ND	20	ug/l							
Laboratory Control Sample (7A04026-BS1) Prepared: 01/04/07 Analyzed: 01/07/07										
Silver	946	20	ug/l	1000		95	85-115			
Matrix Spike (7A04026-MS1) Source: MPL0720-12 Prepared: 01/04/07 Analyzed: 01/07/07										
Silver	959	20	ug/l	1000	ND	96	70-130			
Matrix Spike Dup (7A04026-MSD1) Source: MPL0720-12 Prepared: 01/04/07 Analyzed: 01/07/07										
Silver	967	20	ug/l	1000	ND	97	70-130	0.8	20	

Batch 7A10031 - EPA 3005A / EPA 200.7

Blank (7A10031-BLK1) Prepared: 01/10/07 Analyzed: 01/15/07										
Arsenic	ND	100	ug/l							
Zinc	ND	50	"							
Lead	ND	100	"							
Selenium	ND	200	"							
Nickel	ND	50	"							
Copper	ND	20	"							
Chromium	ND	20	"							
Cadmium	ND	10	"							
Laboratory Control Sample (7A10031-BS1) Prepared: 01/10/07 Analyzed: 01/15/07										
Copper	952	20	ug/l	1000		95	85-115			
Chromium	953	20	"	1000		95	85-115			
Cadmium	944	10	"	1000		94	85-115			
Arsenic	949	100	"	1000		95	85-115			
Zinc	936	50	"	1000		94	85-115			
Selenium	974	200	"	1000		97	85-115			
Lead	956	100	"	1000		96	85-115			
Nickel	958	50	"	1000		96	85-115			

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

MQA0015
Reported:
01/18/07 13:20

Total Metals by EPA 200 Series 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 7A10031 - EPA 3005A / EPA 200.7

Matrix Spike (7A10031-MS1) Source: MQA0114-01 Prepared: 01/10/07 Analyzed: 01/15/07

Selenium	962	200	ug/l	1000	ND	96	70-130			
Zinc	1320	50	"	1000	390	93	70-130			
Arsenic	970	100	"	1000	ND	97	70-130			
Nickel	976	50	"	1000	15	96	70-130			
Copper	2300	20	"	1000	1300	100	70-130			
Cadmium	947	10	"	1000	ND	95	70-130			
Lead	948	100	"	1000	ND	95	70-130			
Chromium	958	20	"	1000	6.5	95	70-130			

Matrix Spike Dup (7A10031-MSD1) Source: MQA0114-01 Prepared: 01/10/07 Analyzed: 01/15/07

Lead	911	100	ug/l	1000	ND	91	70-130	4	20	
Zinc	1280	50	"	1000	390	89	70-130	3	20	
Nickel	941	50	"	1000	15	93	70-130	4	20	
Copper	2260	20	"	1000	1300	96	70-130	2	20	
Arsenic	901	100	"	1000	ND	90	70-130	7	20	
Cadmium	902	10	"	1000	ND	90	70-130	5	20	
Chromium	923	20	"	1000	6.5	92	70-130	4	20	
Selenium	930	200	"	1000	ND	93	70-130	3	20	

Batch 6L29013 - EPA 7470A/1311 TCLP / EPA 245.2

Blank (6L29013-BLK1) Prepared & Analyzed: 01/03/07

Mercury	ND	0.20	ug/l							
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Laboratory Control Sample (6L29013-BS1) Prepared & Analyzed: 01/03/07

Mercury	8.52	0.20	ug/l	8.00		106	80-120			
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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	MQA0015 Reported: 01/18/07 13:20
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**Total Metals by EPA 200 Series 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 6L29013 - EPA 7470A/1311 TCLP / EPA 245.2

Matrix Spike (6L29013-MS1)	Source: MPL0522-04		Prepared & Analyzed: 01/03/07							
Mercury	8.48	0.20	ug/l	8.00	ND	106	80-120			
Matrix Spike Dup (6L29013-MSD1)	Source: MPL0522-04		Prepared & Analyzed: 01/03/07							
Mercury	8.62	0.20	ug/l	8.00	ND	108	80-120	2	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	MQA0015 Reported: 01/18/07 13:20
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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 7A02012 - EPA 5030B P/T / EPA 8260B

Blank (7A02012-BLK1)

Prepared & Analyzed: 01/02/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.29		"	2.50		92	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	1.92		"	2.50		77	60-145			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.35		"	2.50		94	60-120			

Laboratory Control Sample (7A02012-BS1)

Prepared: 01/02/07 Analyzed: 01/03/07

tert-Amyl methyl ether	8.71	0.50	ug/l	10.0		87	65-135			
Benzene	9.58	0.50	"	10.0		96	70-125			
tert-Butyl alcohol	170	20	"	200		85	60-135			
Di-isopropyl ether	8.80	0.50	"	10.0		88	70-130			
Ethyl tert-butyl ether	8.71	0.50	"	10.0		87	65-130			
Ethylbenzene	11.2	0.50	"	10.0		112	70-130			
Methyl tert-butyl ether	7.97	0.50	"	10.0		80	50-140			
Toluene	9.97	0.50	"	10.0		100	70-120			
Xylenes (total)	34.3	0.50	"	30.0		114	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.31		"	2.50		92	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	1.95		"	2.50		78	60-145			
<i>Surrogate: Toluene-d8</i>	2.53		"	2.50		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.48		"	2.50		99	60-120			

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	MQA0015 Reported: 01/18/07 13:20
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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 7A02012 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7A02012-MS1)		Source: MQA0005-01			Prepared: 01/02/07		Analyzed: 01/03/07			
tert-Amyl methyl ether	830	50	ug/l	1000	ND	83	65-135			
Benzene	4320	50	"	1000	3400	92	70-125			
tert-Butyl alcohol	18500	2000	"	20000	ND	92	60-135			
Di-isopropyl ether	852	50	"	1000	ND	85	70-130			
Ethyl tert-butyl ether	843	50	"	1000	ND	84	65-130			
Ethylbenzene	1830	50	"	1000	740	109	70-130			
Methyl tert-butyl ether	805	50	"	1000	35	77	50-140			
Toluene	7810	50	"	1000	6900	91	70-120			
Xylenes (total)	7420	50	"	3000	4300	104	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.32		"	2.50		93	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	1.91		"	2.50		76	60-145			
<i>Surrogate: Toluene-d8</i>	2.52		"	2.50		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.44		"	2.50		98	60-120			
Matrix Spike Dup (7A02012-MSD1)		Source: MQA0005-01			Prepared: 01/02/07		Analyzed: 01/03/07			
tert-Amyl methyl ether	819	50	ug/l	1000	ND	82	65-135	1	25	
Benzene	4320	50	"	1000	3400	92	70-125	0	15	
tert-Butyl alcohol	17500	2000	"	20000	ND	88	60-135	6	35	
Di-isopropyl ether	847	50	"	1000	ND	85	70-130	0.6	35	
Ethyl tert-butyl ether	837	50	"	1000	ND	84	65-130	0.7	35	
Ethylbenzene	1810	50	"	1000	740	107	70-130	1	15	
Methyl tert-butyl ether	800	50	"	1000	35	76	50-140	0.6	25	
Toluene	7820	50	"	1000	6900	92	70-120	0.1	15	
Xylenes (total)	7290	50	"	3000	4300	100	80-125	2	15	
<i>Surrogate: Dibromofluoromethane</i>	2.33		"	2.50		93	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	1.93		"	2.50		77	60-145			
<i>Surrogate: Toluene-d8</i>	2.56		"	2.50		102	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.43		"	2.50		97	60-120			

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	MQA0015 Reported: 01/18/07 13:20
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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
Batch 7A04034 - General Preparation / EPA 160.2										
Blank (7A04034-BLK1)				Prepared: 01/04/07 Analyzed: 01/05/07						
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7A04034-DUP1)				Source: MQA0116-01 Prepared: 01/04/07 Analyzed: 01/05/07						
Total Suspended Solids	5420	10000	ug/l		5000			8	20	
Batch 7A02019 - General Prep / EPA 1664A										
Blank (7A02019-BLK1)				Prepared & Analyzed: 01/02/07						
Oil & Grease (HEM)	ND	5000	ug/l							
Laboratory Control Sample (7A02019-BS1)				Prepared & Analyzed: 01/02/07						
Oil & Grease (HEM)	17000	5000	ug/l	20000		85	75-115			
Matrix Spike (7A02019-MS1)				Source: MQA0015-01 Prepared & Analyzed: 01/02/07						
Oil & Grease (HEM)	16300	4700	ug/l	18900	ND	86	75-115			
Matrix Spike Dup (7A02019-MSD1)				Source: MQA0015-01 Prepared & Analyzed: 01/02/07						
Oil & Grease (HEM)	16100	4800	ug/l	19000	ND	85	75-115	1	20	
Batch 7A03024 - General Preparation / EPA 410.4										
Blank (7A03024-BLK1)				Prepared & Analyzed: 01/02/07						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7A03024-BS1)				Prepared & Analyzed: 01/02/07						
Chemical Oxygen Demand	106000	30000	ug/l	100000		106	90-110			

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

MQA0015
Reported:
01/18/07 13:20

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 7A03024 - General Preparation / EPA 410.4

Matrix Spike (7A03024-MS1)		Source: MQA0015-01			Prepared & Analyzed: 01/02/07					
Chemical Oxygen Demand	126000	33000	ug/l	111000	17000	98	75-125			
Matrix Spike Dup (7A03024-MSD1)		Source: MQA0015-01			Prepared & Analyzed: 01/02/07					
Chemical Oxygen Demand	122000	33000	ug/l	111000	17000	95	75-125	3	15	

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

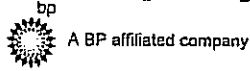
Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQA0015
Reported:
01/18/07 13:20

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 Service Station No. 608
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Northern > 608 > Historical/BL
 State or Lead Regulatory Agency: California Regional Water Quality Control Board
 Requested Due Date (mm/dd/yy): 24 HR 7/14/07

On-site Time: <u>0730</u>	Temp: <u>24.5</u>
Off-site Time: <u>0915</u>	Temp: <u>46</u>
Sky Conditions: <u>Clear</u>	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>TestAmerica Analytical Testing Corporation</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u> <u>Morgan Hill, CA 95037</u>	BP/AR Facility Address: <u>17601 Hesperian Boulevard, San Lorenzo</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u> <u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T0600100085</u>	Consultant/Contractor Project No.: <u>ARCO 2077</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 EBM: <u>Paul Supple</u>	Provision or OOC: <u>Provision</u>	Tele/Fax: <u>(530) 676 6000/(530) 676 6005</u>
Address: <u>2010 Crows Landing Road</u> <u>San Ramon, CA</u>	Phase/WBS: <u>3</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
Tele/Fax: <u>(925) 275 3806</u>	Sub Phase/Task: <u>3</u>	E-mail EDD To: <u>cjewitt@stratusinc.net</u>
	Cost Element: <u>5</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
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO	BTEX	5-Oxygenates (see comments)	11-Metals (See Comments)	Phenolic Compounds by EPA Method 420.1	Oil & Grease by EPA Method 1664	Chemical oxygen demand	Total Suspended Solids			
1	00608WINF	0821	7/20/07	X			MOA001K	14	X	X	X			X	X	X	X	X	X	X	X	X	X	Five Oxygenates Requested are: MTBE, TAME, DIPE, ETBE, and TBA 11 Metals Requested are: Arsenic, cadmium, copper, cyanide, lead, mercury, nickel, selenium, silver, chromium, and zinc by EPA Method 200.7
2	00608WGAC1	0815		X			02	6						X	X	X								
3	00608WGAC2	0820		X			03	6						X	X	X								
4	00608WEFF	0823		X			04	15	X	X	X			X	X	X	X	X	X	X	X	X		

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>7/20/07</u>	Time: <u>1040</u>	Accepted By / Affiliation: <u>Julia Ng (MH)</u>	Date: <u>07/20</u>	Time: <u>1040</u>
Sampler's Company: <u>Stantec S</u>						
Shipment Date: <u>7/20/07</u>						
Shipment Method: <u>Stantec S</u>						
Shipment Tracking No:						

Special Instructions: Please forward a copy of the analytical report to bpedrf@broadbentinc.com

Custody Seals in Place: Yes (No) | Temp Blank (Yes) No | Cooler Temp on Receipt: 2-1 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes (No)

PROBLEM CHAIN-OF-CUSTODY

MDA0015

DATE/TIME 1/2/07

DATE RECEIVED 1/2/07

CLIENT ARCO / STRATUS

TURN AROUND TIME _____

CLIENT SERVICES REP LISA

ANALYST _____

PROBLEM

1.) NO CONTAINER FOR CYANIDE.

2.) RECEIVED 500ML POLY (H₂SO₄) FOR PHENOLS & COD (WINF)

3.) RECEIVED 500ML POLY (H₂SO₄) FOR PHENOLS (WEFF)

RESOLUTION

Client Instruction* Cancel COD for in plant
Seal 2 out of 3 containers for phenols + cyanides
for delivery 1/4/07

24 hr TAT is eff only + only for G/B/O

Telephone Number of Client: _____

Client Contact for Instruction: Kieran N.

Date and Time of Instruction: 01/03/07 @ 12:58p

Date & Time Form Given to Sample Control: 1/3/07

CLIENT SERVICES REP. SIGNATURE: [Signature]

DATE/TIME: 01/3/07

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

Lisa Race

From: Kiran Nagaraju [knagaraju@stratusinc.net]
Sent: Wednesday, December 27, 2006 1:04 PM
To: Lisa Race
Cc: Jay Johnson; Sandy Hayes; Stephen J Carter
Subject: Sampling Schedule - 01/02/07 to 01/05/07
Follow Up Flag: Follow up
Due By: Wednesday, January 03, 2007 9:00 AM
Flag Status: Red

M Q ADU15

Dear Lisa:

Below is the list of sites and associated samples that will be collected next week. If you have any questions or concerns regarding the schedule, please let me know.

January 2, 2007:

ARCO 1334: Three air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

Two water samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one water sample will be on a 24-hr TAT.

ARCO 2079: Two air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

Three water samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one water sample will be on a 24-hr TAT.

ARCO 706: Three air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

ARCO 608 (tentative): Four water samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). The influent and effluent water sample will also be requested to be analyzed for metals (As, Cd, Cu, Cn, Pb, Hg, Ni, Se, Ag, Cr, & Zn by EPA 200.7), phenolic compounds by EPA Method 5530D, and oil and grease for hydrocarbons by EPA Method 1664. The effluent water sample will be on a 24-hr TAT.

ARCO 6206 (tentative): Four water samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). The effluent water sample will be on a 24-hr TAT.

— Per G1810
 only per h.w.
 1/3/07

January 3, 2007:

ARCO 4986 - Three air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

ARCO 6100 - Three air samples requesting analysis for GRO, BTEX, and 5-oxys (MTBE, TBA, DIPE, TAME, & ETBE). Only one air sample will be on a 24-hr TAT.

ARCO 2168 - Three air samples requesting analysis for GRO, BTEX, and MTBE. Only one air sample will be on a 24-hr TAT.

ARCO 2186 - Three air samples requesting analysis for GRO, BTEX, and MTBE. Only one air sample will be on a 24-hr TAT.

1/3/2007

Thanks & Regards,
Kiran Nagaraju
Staff Engineer
Stratus Environmental, Inc.
Ph: (530) 676 6007
Fax: (530) 676 6005

cc: Doug, Chris, Marty

Lisa:

Just to follow-up on our conversation, on this CoC please

1. Do not analyze the influent water sample for COD and
2. Do not analyze either the influent or the effluent water samples for phenolic compounds and cyanide.

Please send us the appropriate containers (two samples) that will require analysis for phenolic compounds and cyanide.

If you have any questions, please call me at (530) 676 6007.

Thanks,
Kiran

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

From: Lisa Race [mailto:lrace@testamericainc.com]

Sent: Tuesday, January 02, 2007 1:31 PM

To: cjewitt@stratusinc.net; gkowtha@stratusinc.net; jjohnson@stratusinc.net; knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Scott Bittinger; tarkus@stratusinc.net

Subject: Missing or incorrect containers received for ARCO#0608 sampled 1/2/06 - MQA0015

Importance: High

We received one 500 ml H2SO4 poly for the phenols and COD for 00608WINF and one 500 ml H2SO4 poly for phenols on 00608WEFF. These are incorrect containers. The phenols break down with light exposure and should be collected in 500 ml Amber glass. The COD value will be biased high due to leaching of carbon based compounds from the poly containers and should be collected in 3 H2SO4 VOA vials. We did not receive any containers for cyanide. Cyanide should be collected in a 500 ml Poly preserved with NaOH.

Please advise.

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

This transmission contains information that may be legally confidential. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this transmission in error, please reply immediately to the sender that you have received the message in error. Because access to receiving equipment is not under our control, we cannot be responsible for the confidentiality of electronically transmitted data.

1/3/2007

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: BP
 REC. BY (PRINT) JULIENG.
 WORKORDER: MAA0015

DATE REC'D AT LAB: 01/02/07
 TIME REC'D AT LAB: 1040
 DATE LOGGED IN: 11-17

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*	<input checked="" type="checkbox"/> Present / <input type="checkbox"/> Absent	01	00608 VINF	4(L) A	HCL	-	W	01/02/07	
2. Chain-of-Custody Present / Absent*	<input checked="" type="checkbox"/> Present / <input type="checkbox"/> Absent	↓	↓	1(L) P	-	-			
3. Traffic Reports or Packing List: Present / Absent*	<input checked="" type="checkbox"/> Present / <input type="checkbox"/> Absent	↓	↓	4(500ml) P	#2S04				
4. Airbill: Airbill / Sticker Present / Absent*	<input checked="" type="checkbox"/> Present / <input type="checkbox"/> Absent	02	00608 WGACT	2(250ml) P	#NO3				
5. Airbill #:		03	00608 WGACT	6 VOA	HCL	-			
6. Sample Labels: Present / Absent	<input checked="" type="checkbox"/> Present / <input type="checkbox"/> Absent	04	00608 WEFF	6 VOA	HCL	↓			
7. Sample IDs: Listed / Not Listed on Chain-of-Custody	<input checked="" type="checkbox"/> Listed / <input type="checkbox"/> Not Listed	↓	↓	2(L) A	HCL				
8. Sample Condition: Intact / Broken* / Leaking*	<input checked="" type="checkbox"/> Intact / <input type="checkbox"/> Broken* / <input type="checkbox"/> Leaking*	↓	↓	1(L) P	-	-			
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*	05	TRIPBLANK	1(500ml) P	#2S04				
10. Sample received within hold time? Yes / No*	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*			2(250ml) P	#NO3				
11. Adequate sample volume received? Yes / No*	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*			6 VOA	HCL	-			
12. Proper preservatives used? Yes / No*	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No*			8 VOA	#2S04	↓	↓	↓	
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*	<input checked="" type="checkbox"/> Trip Blank / <input type="checkbox"/> Temp Blank			2 VOA	HCL	↓	W	01/02/07	
14. Read Temp: <u>21°C</u> Corrected Temp: <u>↓</u> Is corrected temp 4 +/- 2°C? Yes / No**	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No**								

July 01/02/07

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

26 January, 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: MQA0484

Enclosed are the results of analyses for samples received by the laboratory on 01/15/07 09:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

MQA0484
 Reported:
 01/26/07 14:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQA0484-01	Water	01/12/07 05:20	01/15/07 09:45
00608WEFF	MQA0484-02	Water	01/12/07 05:30	01/15/07 09:45

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

MQA0484
Reported:
01/26/07 14:10

INORGANICS
TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0484-01) Water Sampled: 01/12/07 05:20 Received: 01/15/07 09:45									
Total Cyanide	ND	5.0	ug/l	1	7A17136	01/17/07	01/17/07 19:33	EPA 335.2	
00608WEFF (MQA0484-02) Water Sampled: 01/12/07 05:30 Received: 01/15/07 09:45									
Total Cyanide	ND	5.0	ug/l	1	7A17136	01/17/07	01/17/07 19:33	EPA 335.2	

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

MQA0484
Reported:
01/26/07 14:10

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQA0484-01) Water Sampled: 01/12/07 05:20 Received: 01/15/07 09:45									
Phenol	ND	50	ug/l	1	7A19020	01/19/07	01/19/07	EPA 420.1	
00608WEFF (MQA0484-02) Water Sampled: 01/12/07 05:30 Received: 01/15/07 09:45									
Phenol	ND	50	ug/l	1	7A19020	01/19/07	01/19/07	EPA 420.1	

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

MQA0484
Reported:
01/26/07 14:10

INORGANICS - Quality Control

TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 7A17136 - General Prep / EPA 335.2

Blank (7A17136-BLK1)

Prepared & Analyzed: 01/17/07

Total Cyanide ND 5.0 ug/l

Laboratory Control Sample (7A17136-BS1)

Prepared & Analyzed: 01/17/07

Total Cyanide 192 5.0 ug/l 200 96 90-110

Matrix Spike (7A17136-MS1)

Source: MQA0484-02

Prepared & Analyzed: 01/17/07

Total Cyanide 207 5.0 ug/l 200 ND 104 70-115

Matrix Spike Dup (7A17136-MSD1)

Source: MQA0484-02

Prepared & Analyzed: 01/17/07

Total Cyanide 207 5.0 ug/l 200 ND 104 70-115 0 15

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

MQA0484
Reported:
01/26/07 14:10

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7A19020 - General Preparation / EPA 420.1										
Blank (7A19020-BLK1)										
Prepared & Analyzed: 01/19/07										
Phenol	ND	50	ug/l							
Laboratory Control Sample (7A19020-BS1)										
Prepared & Analyzed: 01/19/07										
Phenol	549	50	ug/l	600		92	70-135			
Matrix Spike (7A19020-MS1)										
Source: MQA0484-01										
Prepared & Analyzed: 01/19/07										
Phenol	556	50	ug/l	600	ND	93	70-135			
Matrix Spike Dup (7A19020-MSD1)										
Source: MQA0484-01										
Prepared & Analyzed: 01/19/07										
Phenol	567	50	ug/l	600	ND	94	70-135	2	20	

Stratus Environmental Inc. [Arco]
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Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0017
Project Manager: Jay Johnson

MQA0484
Reported:
01/26/07 14:10

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

Del Mar Analytical Work Order

IQA1439

Thank you for submitting your environmental testing request to TestAmerica. This work order represents the analyses that you requested from our company. Please review this carefully and inform us immediately of any errors or changes.

Client: TestAmerica - Morgan Hill, CA

Project: BP/ARCO project

Project Number: MQA0484

Report To:

TestAmerica - Morgan Hill, CA

Lisa Race

885 Jarvis Drive

Morgan Hill, CA 95037

Phone: (408) 776-9600

Fax: (408) 782-6308

Invoice To:

TestAmerica - Morgan Hill, CA

Accounts Payable

885 Jarvis Drive

Morgan Hill, CA 95037

Phone : (408) 776-9600

Fax: (408) 782-6308

Project Manager: Pat Abe

Date Due: 01/25/07 (7 day TAT)

Received By: Elizabeth Chavez

Date Received: 1/16/2007 10:05:57 AM

Samples Received at:	3°C	Samples Preserved Properly:	Yes
All containers intact:	Yes	Custody Seals Present:	No
Sample labels/COC agree:	Yes	Samples Received on Ice:	Yes

Laboratory
Number

Sample
Description

Sample
Matrix

Analyses

IQA1439-01

MQA0484-01

Water

Cyanide-335.2 5ppb

IQA1439-02

MQA0484-02

Water

Cyanide-335.2 5ppb

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ARCO
 REC. BY (PRINT) JULIENG.
 WORKORDER: MPT 6489

DATE REC'D AT LAB: 1/15/07
 TIME REC'D AT LAB: 0945
 DATE LOGGED IN: 1-15-07

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*	41	00608 WJNF	1(500ml) A	H2SO4	1	W	1/12/07	Deleted by 1/15/07
2. Chain-of-Custody	Present / Absent*	2	00608 WJFF	1(1) P	NaOH	12	↓	↓	
3. Traffic Reports or Packing List:	Present / Absent								
4. Airbill:	Airbill / Sticker Present / Absent								
5. Airbill #:	<u>See Attached</u>								
6. Sample Labels:	Present / Absent								
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody								
8. Sample Condition:	Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*								
10. Sample received within hold time?	Yes / No*								
11. Adequate sample volume received?	Yes / No*								
12. Proper preservatives used?	Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No*								
14. Read Temp: <u>4.8°C</u> Corrected Temp: <u>↓</u> Is corrected temp 4 +/-2°C? <input checked="" type="checkbox"/> Yes / No**									

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

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



RECEIVED

MAR 16 2007

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

March 9, 2007
Project No. E608-3

COPY

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

Subject: Monthly Discharge Report – February 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 January 29, 2007 through February 20, 2007. The GWETS operational parameters for February 2007 are summarized below:

<i>Treatment System Status:</i>	Continuous operation
<i>Reporting Period:</i>	January 29, 2007 to February 20, 2007
<i>Volume Discharged This Period:</i>	13,220 gallons
<i>Average Flow Rate This Period:</i>	0.50 gallons per minute (gpm) [Between January 24 and February 20, 2007]
<i>Effluent pH Reading:</i>	6.79 on 02/05/07
<i>Analytical Report:</i>	See Appendix B

Discussion:

During February 2007, Stratus conducted two site visits (Appendix A) to collect influent, mid-fluent (GAC1 and GAC2), and effluent water samples and to conduct maintenance as warranted. In accordance with OLSD permit requirements, Stratus collected influent, mid-fluent (GAC1 and GAC2, Figure 3), and effluent water samples on February 5, 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 collected on February 5, 2007, was also 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.

GRO and benzene concentrations in the influent, mid-fluent (GAC1 and GAC2), and effluent water samples collected on February 5, 2007 were below laboratory reporting limits. The MTBE concentrations in the influent and GAC2 water samples collected on February 5, 2007, were reported at 7.1 µg/L and at 4.5 µg/L, respectively. The MTBE concentrations in the GAC1 and effluent water samples were both below laboratory reporting limits.

Between January 29, 2007 and February 20, 2007, approximately 13,220 gallons of groundwater were extracted, treated, and discharged to the sanitary sewer. Based on the totalizer and hour meter readings for the period of January 24 to February 20, 2007, the groundwater extraction and treatment rate was estimated to be approximately 0.50 gpm.

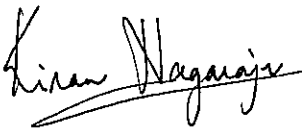
CERTIFICATION

"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."


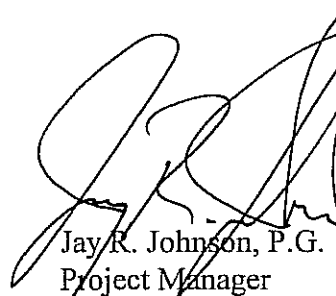
If you have any questions regarding this report, please contact Jay Johnson at (530) 676-6000.

Sincerely,

STRATUS ENVIRONMENTAL, INC.



Kiran Nagaraju
Staff 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	—	—	—

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)
07/14/94	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	---	---	---
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	0.06	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

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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)
03/05/02		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
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

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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)
04/20/05		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	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---

REPORTING PERIOD:	1/29/07 to 02/20/07		
CUMULATIVE GALLONS EXTRACTED:	8,747,180		
PERIOD GALLONS EXTRACTED:	13,220		
TOTAL POUNDS REMOVED:		7.55	
TOTAL GALLONS REMOVED:		1.24	0.31
AVERAGE PERIOD (2/5/07 to 2/20/07) FLOW RATE (gpm):	0.50		0.04
PERIOD (2/5/07 to 2/20/07) PERCENT OPERATIONAL:	99.0%		
PERIOD POUNDS REMOVED:		NA	NA
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.

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 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

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
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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) (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	---	---	---	---

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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
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	---	---	---	---

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MID-2 (between secondary and tertiary carbons) continued										
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	---	---	---	---
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	---	---	---	---

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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-2 (between secondary and tertiary carbons) continued										
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
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	---	---	---	---	---

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)										
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	---
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	---

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)										
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
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

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)										
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

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.

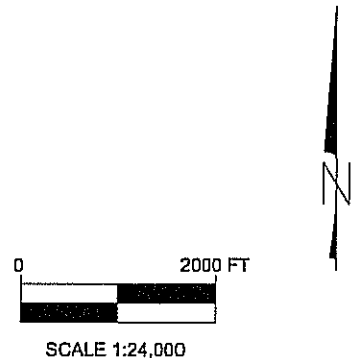
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.



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



QUADRANGLE LOCATION



ARCO 606 Site Location Map.dwg
 Mar 02, 2007

JMP
 ARCO606

STRATUS
 ENVIRONMENTAL, INC.

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

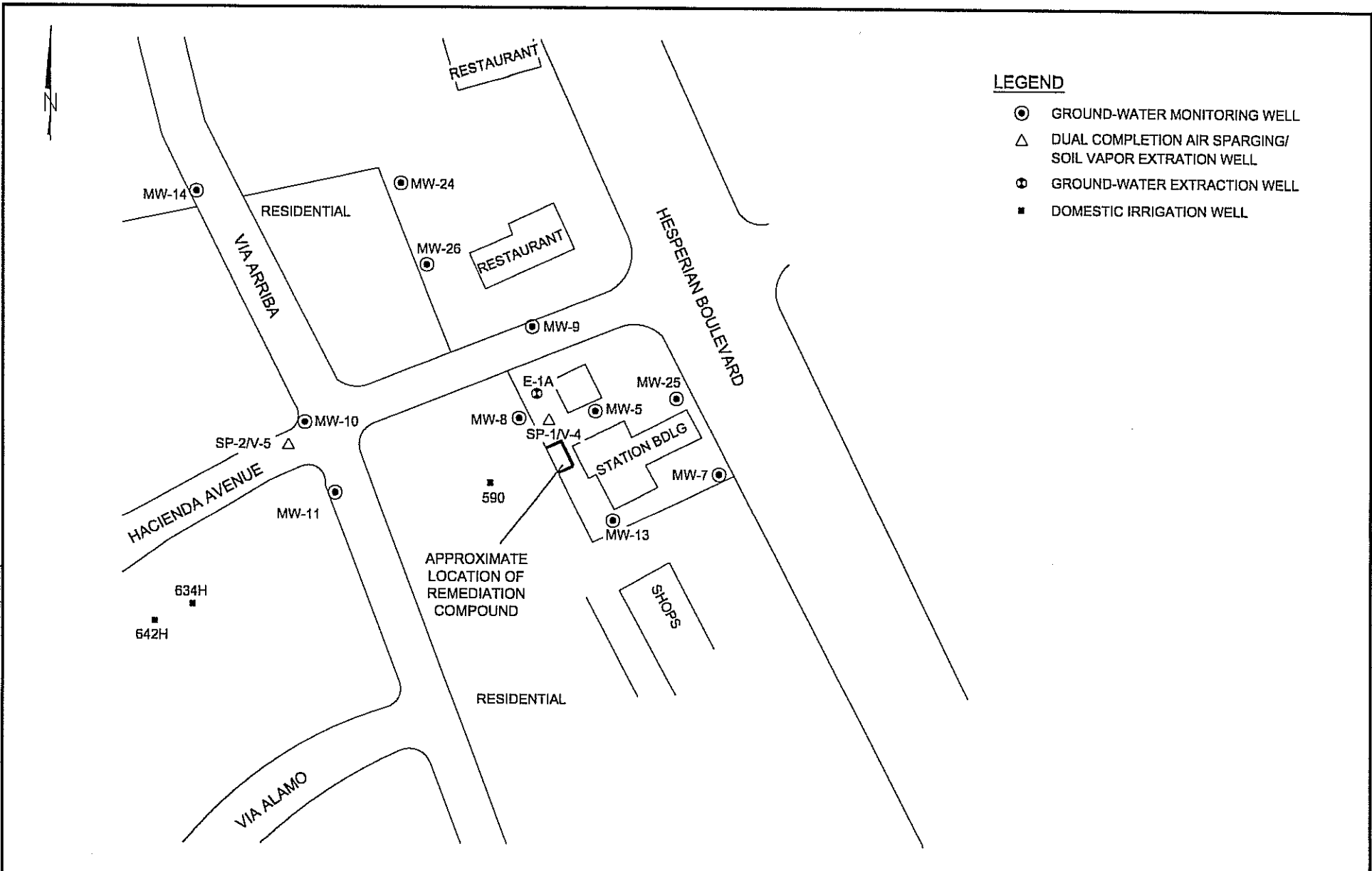
SITE LOCATION MAP

FIGURE

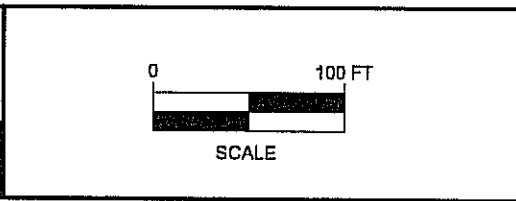
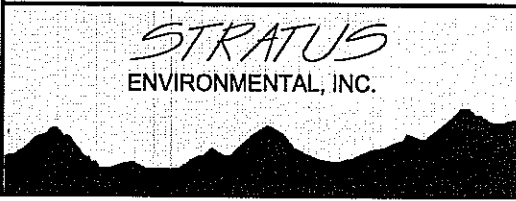
1

PROJECT NO.
 U608

ARCO 608 BX115/bsplan.dwg
REV
Mar. 07, 2007
JMP

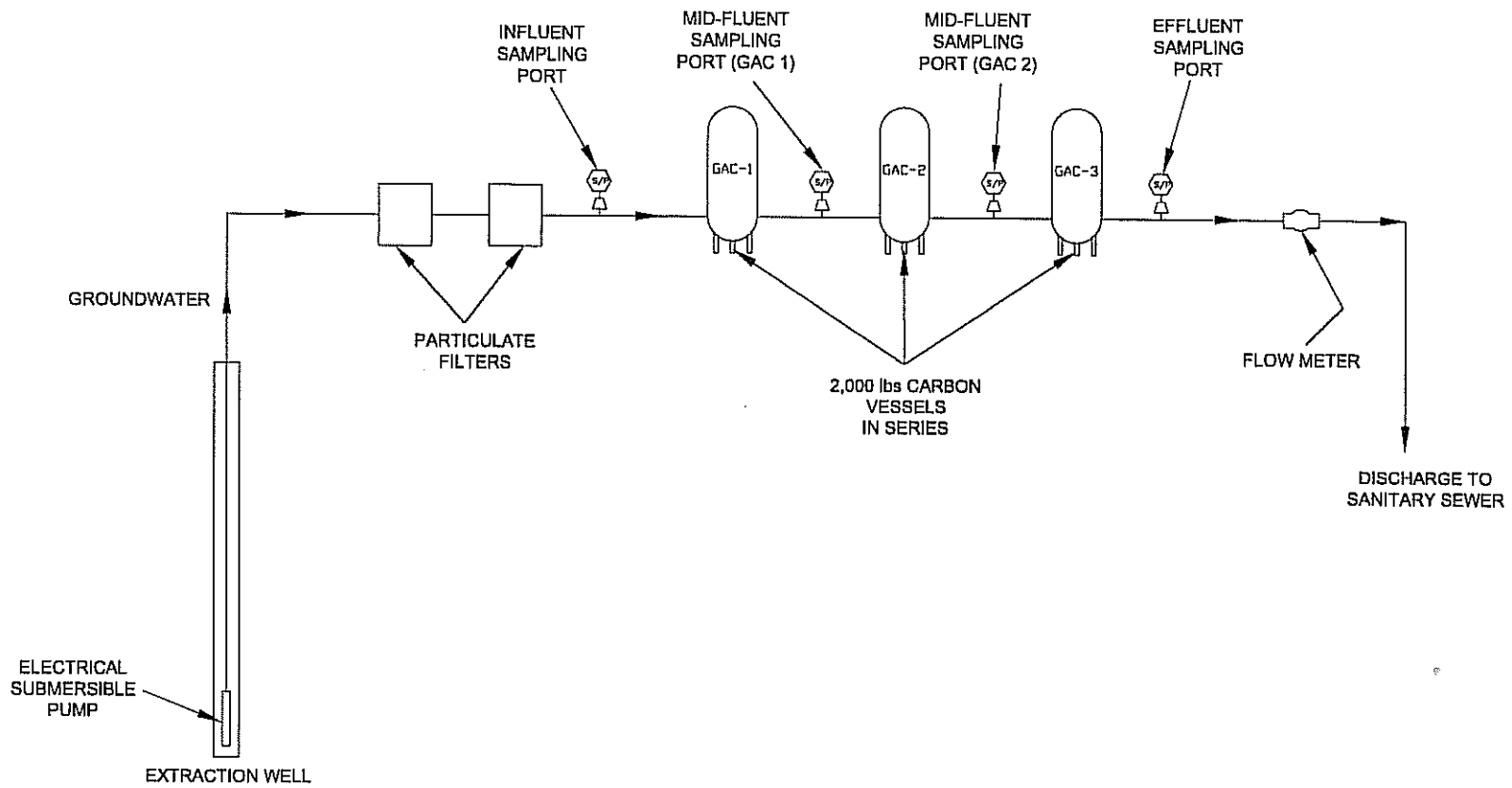


NOTE: SOURCE MAP RECEIVED FROM BROADBENT ASSOCIATES INC. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



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)



Date: 2-5-07
 Onsite Time: 0840
 Offsite Time: _____
 Technician: CHIK
 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: Operational NA Non-operational

Electric Meter Reading: 50417
 Hour Meter Reading: 34960

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4742700

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	2.5	2.5	3	3

Sample Port	Field Measurements (Monthly)		
	Temperature °F	pH units	Electrical Conductivity msiemens
Effluent	13°C	6.79	192.7

Sampling Information (Monthly)			
Sample ID	Date & Time		Sample ID
00608WINF	2507	0855	
00608WGAC1	}	0900	
00608WGAC2		0905	
00608WEFF		0910	

TB6082507 0912

Signature: [Signature] Date: 2-5-07

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

 ORIGINAL

Date: 2 20 07
 Onsite Time: 0540
 Offsite Time: 0615
 Technician: CHILL
 Weather Conditions: Clouds - Rain
 Ambient Temperature: 45
 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: 50627
 Hour Meter Reading: 35316.4

Flow Totalizer Reading Before Carbon Treatment: _____

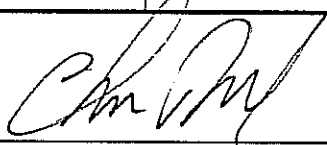
Flow Totalizer Reading After Carbon Treatment: 4751030

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	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: 2-20-07

APPENDIX B

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

19 February, 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: MQB0115

Enclosed are the results of analyses for samples received by the laboratory on 02/05/07 11:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24- Project Manager: Jay Johnson	MQB0115 Reported: 02/19/07 13:18
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQB0115-01	Water	02/05/07 08:55	02/05/07 11:45
00608WGAC1	MQB0115-02	Water	02/05/07 09:00	02/05/07 11:45
00608WGAC2	MQB0115-03	Water	02/05/07 09:05	02/05/07 11:45
00608WEFF	MQB0115-04	Water	02/05/07 09:10	02/05/07 11:45
TB6082507	MQB0115-05	Water	02/05/07 09:12	02/05/07 11:45

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

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24- Project Manager: Jay Johnson	MQB0115 Reported: 02/19/07 13:18
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Total Purgeable Hydrocarbons by GC/MS (CA LUFT)
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQB0115-01) Water Sampled: 02/05/07 08:55 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	70	50	ug/l	1	7B14027	02/14/07	02/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		108 %	60-145		"	"	"	"	
00608WGAC1 (MQB0115-02) Water Sampled: 02/05/07 09:00 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B14027	02/14/07	02/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		107 %	60-145		"	"	"	"	
00608WGAC2 (MQB0115-03) Water Sampled: 02/05/07 09:05 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B14027	02/14/07	02/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		102 %	60-145		"	"	"	"	
00608WEFF (MQB0115-04) Water Sampled: 02/05/07 09:10 Received: 02/05/07 11:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7B06002	02/06/07	02/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		99 %	60-145		"	"	"	"	

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

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

MQB0115
Reported:
02/19/07 13:18

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
00608WINF (MQB0115-01) Water Sampled: 02/05/07 08:55 Received: 02/05/07 11:45										
tert-Amyl methyl ether	ND	0.50		ug/l	1	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	7.1	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>108 %</i>		<i>60-145</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>96 %</i>		<i>60-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Dibromofluoromethane</i>		<i>100 %</i>		<i>75-130</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>101 %</i>		<i>70-130</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
00608WGAC1 (MQB0115-02) Water Sampled: 02/05/07 09:00 Received: 02/05/07 11:45										
tert-Amyl methyl ether	ND	0.50		ug/l	1	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>107 %</i>		<i>60-145</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>92 %</i>		<i>60-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Dibromofluoromethane</i>		<i>104 %</i>		<i>75-130</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>99 %</i>		<i>70-130</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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

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

MQB0115
Reported:
02/19/07 13:18

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 (MQB0115-03) Water Sampled: 02/05/07 09:05 Received: 02/05/07 11:45

tert-Amyl methyl ether	ND	0.50	ug/l	1	7B14027	02/14/07	02/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	4.5	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4		102 %		60-145	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92 %		60-120	"	"	"	"	
Surrogate: Dibromofluoromethane		98 %		75-130	"	"	"	"	
Surrogate: Toluene-d8		99 %		70-130	"	"	"	"	

00608WEFF (MQB0115-04) Water Sampled: 02/05/07 09:10 Received: 02/05/07 11:45

tert-Amyl methyl ether	ND	0.50	ug/l	1	7B06002	02/06/07	02/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4		99 %		60-145	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95 %		60-120	"	"	"	"	
Surrogate: Dibromofluoromethane		96 %		75-130	"	"	"	"	
Surrogate: Toluene-d8		95 %		70-130	"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24- Project Manager: Jay Johnson	MQB0115 Reported: 02/19/07 13:18
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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 (MQB0115-04) Water Sampled: 02/05/07 09:10 Received: 02/05/07 11:45									
Chemical Oxygen Demand	ND	30000	ug/l	1	7B06016	02/05/07	02/05/07	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	7B06018	"	02/06/07	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-
Project Manager: Jay Johnson

MQB0115
Reported:
02/19/07 13:18

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 7B06002 - EPA 5030B P/T / LUFT GCMS

Blank (7B06002-BLK1) Prepared & Analyzed: 02/06/07										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.47		"	2.50		99	60-145			
Laboratory Control Sample (7B06002-BS2) Prepared & Analyzed: 02/06/07										
Gasoline Range Organics (C4-C12)	450	50	ug/l	500		90	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.04		"	2.50		82	60-145			
Laboratory Control Sample Dup (7B06002-BSD2) Prepared & Analyzed: 02/06/07										
Gasoline Range Organics (C4-C12)	450	50	ug/l	500		90	75-140	0	20	
Surrogate: 1,2-Dichloroethane-d4	2.01		"	2.50		80	60-145			

Batch 7B14027 - EPA 5030B P/T / LUFT GCMS

Blank (7B14027-BLK1) Prepared: 02/14/07 Analyzed: 02/15/07										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.43		"	2.50		97	60-145			
Laboratory Control Sample (7B14027-BS2) Prepared: 02/14/07 Analyzed: 02/15/07										
Gasoline Range Organics (C4-C12)	544	50	ug/l	500		109	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.42		"	2.50		97	60-145			
Laboratory Control Sample Dup (7B14027-BSD2) Prepared: 02/14/07 Analyzed: 02/15/07										
Gasoline Range Organics (C4-C12)	523	50	ug/l	500		105	75-140	4	20	
Surrogate: 1,2-Dichloroethane-d4	2.43		"	2.50		97	60-145			

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

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

MQB0115
Reported:
02/19/07 13:18

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 7B06002 - EPA 5030B P/T / EPA 8260B

Blank (7B06002-BLK1)

Prepared & Analyzed: 02/06/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.47		"	2.50		99	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.47		"	2.50		99	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.57		"	2.50		103	75-130			
<i>Surrogate: Toluene-d8</i>	2.55		"	2.50		102	70-130			

Laboratory Control Sample (7B06002-BS1)

Prepared & Analyzed: 02/06/07

tert-Amyl methyl ether	11.0	0.50	ug/l	10.0		110	65-135			
Benzene	10.6	0.50	"	10.0		106	70-125			
tert-Butyl alcohol	189	20	"	200		94	60-135			
Di-isopropyl ether	9.82	0.50	"	10.0		98	70-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	65-130			
Ethylbenzene	10.2	0.50	"	10.0		102	70-130			
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	50-140			
Toluene	10.5	0.50	"	10.0		105	70-120			
Xylenes (total)	31.3	0.50	"	30.0		104	80-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.48		"	2.50		99	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.64		"	2.50		106	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.63		"	2.50		105	75-130			
<i>Surrogate: Toluene-d8</i>	2.71		"	2.50		108	70-130			

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

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

MQB0115
Reported:
02/19/07 13:18

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 7B06002 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7B06002-MS1)	Source: MQB0113-04			Prepared & Analyzed: 02/06/07						
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135			
Benzene	10.7	0.50	"	10.0	ND	107	70-125			
tert-Butyl alcohol	206	20	"	200	ND	103	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0	ND	103	70-130			
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	65-130			
Ethylbenzene	10.3	0.50	"	10.0	ND	103	70-130			
Methyl tert-butyl ether	10.7	0.50	"	10.0	ND	107	50-140			
Toluene	10.2	0.50	"	10.0	ND	102	70-120			
Xylenes (total)	31.6	0.50	"	30.0	ND	105	80-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.52		"	2.50		101	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.56		"	2.50		102	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.66		"	2.50		106	75-130			
<i>Surrogate: Toluene-d8</i>	2.55		"	2.50		102	70-130			

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

Stratus Environmental Inc. [Arco]
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Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-
Project Manager: Jay Johnson

MQB0115
Reported:
02/19/07 13:18

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 7B14027 - EPA 5030B P/T / EPA 8260B

Blank (7B14027-BLK1)

Prepared: 02/14/07 Analyzed: 02/15/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							

<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.43		"	2.50		97	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.35		"	2.50		94	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.47		"	2.50		99	75-130			
<i>Surrogate: Toluene-d8</i>	2.51		"	2.50		100	70-130			

Laboratory Control Sample (7B14027-BS1)

Prepared: 02/14/07 Analyzed: 02/15/07

tert-Amyl methyl ether	11.2	0.50	ug/l	10.0		112	65-135			
Benzene	9.73	0.50	"	10.0		97	70-125			
tert-Butyl alcohol	170	20	"	200		85	60-135			
Di-isopropyl ether	10.7	0.50	"	10.0		107	70-130			
Ethyl tert-butyl ether	10.8	0.50	"	10.0		108	65-130			
Ethylbenzene	9.71	0.50	"	10.0		97	70-130			
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	50-140			
Toluene	9.77	0.50	"	10.0		98	70-120			
Xylenes (total)	30.0	0.50	"	30.0		100	80-125			

<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.46		"	2.50		98	60-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.46		"	2.50		98	60-120			
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-130			
<i>Surrogate: Toluene-d8</i>	2.60		"	2.50		104	70-130			

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

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

MQB0115
Reported:
02/19/07 13:18

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 7B14027 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7B14027-MS1)	Source: MQB0115-03			Prepared: 02/14/07		Analyzed: 02/15/07				
tert-Amyl methyl ether	13.9	0.50	ug/l	10.0	ND	139	65-135			
Benzene	12.0	0.50	"	10.0	ND	120	70-125			
tert-Butyl alcohol	221	20	"	200	ND	110	60-135			
Di-isopropyl ether	13.2	0.50	"	10.0	ND	132	70-130			LM
Ethyl tert-butyl ether	13.6	0.50	"	10.0	ND	136	65-130			LM
Ethylbenzene	11.9	0.50	"	10.0	ND	119	70-130			
Methyl tert-butyl ether	18.6	0.50	"	10.0	4.5	141	50-140			LM
Toluene	11.7	0.50	"	10.0	ND	117	70-120			
Xylenes (total)	36.6	0.50	"	30.0	ND	122	80-125			
Surrogate: 1,2-Dichloroethane-d4	2.59		"	2.50		104	60-145			
Surrogate: 4-Bromofluorobenzene	2.39		"	2.50		96	60-120			
Surrogate: Dibromofluoromethane	2.53		"	2.50		101	75-130			
Surrogate: Toluene-d8	2.53		"	2.50		101	70-130			

Matrix Spike Dup (7B14027-MSD1)	Source: MQB0115-03			Prepared: 02/14/07		Analyzed: 02/15/07				
tert-Amyl methyl ether	12.4	0.50	ug/l	10.0	ND	124	65-135	11	25	
Benzene	10.6	0.50	"	10.0	ND	106	70-125	12	15	
tert-Butyl alcohol	194	20	"	200	ND	97	60-135	13	35	
Di-isopropyl ether	11.9	0.50	"	10.0	ND	119	70-130	10	35	
Ethyl tert-butyl ether	12.1	0.50	"	10.0	ND	121	65-130	12	35	
Ethylbenzene	10.6	0.50	"	10.0	ND	106	70-130	12	15	
Methyl tert-butyl ether	16.7	0.50	"	10.0	4.5	122	50-140	11	25	
Toluene	10.7	0.50	"	10.0	ND	107	70-120	9	15	
Xylenes (total)	32.8	0.50	"	30.0	ND	109	80-125	11	15	
Surrogate: 1,2-Dichloroethane-d4	2.53		"	2.50		101	60-145			
Surrogate: 4-Bromofluorobenzene	2.48		"	2.50		99	60-120			
Surrogate: Dibromofluoromethane	2.59		"	2.50		104	75-130			
Surrogate: Toluene-d8	2.53		"	2.50		101	70-130			

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

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

MQB0115
Reported:
02/19/07 13:18

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 7B06018 - General Preparation / EPA 160.2

Blank (7B06018-BLK1)		Prepared: 02/05/07 Analyzed: 02/06/07								
Total Suspended Solids	ND	10000	ug/l							
Duplicate (7B06018-DUP1)		Source: MQB0115-04 Prepared: 02/05/07 Analyzed: 02/06/07								
Total Suspended Solids	ND	10000	ug/l		ND				20	

Batch 7B06016 - General Preparation / EPA 410.4

Blank (7B06016-BLK1)		Prepared & Analyzed: 02/05/07								
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (7B06016-BS1)		Prepared & Analyzed: 02/05/07								
Chemical Oxygen Demand	109000	30000	ug/l	100000		109	90-110			
Matrix Spike (7B06016-MS1)		Source: MQB0115-04 Prepared & Analyzed: 02/05/07								
Chemical Oxygen Demand	107000	30000	ug/l	100000	15000	92	75-125			
Matrix Spike Dup (7B06016-MSD1)		Source: MQB0115-04 Prepared & Analyzed: 02/05/07								
Chemical Oxygen Demand	110000	30000	ug/l	100000	15000	95	75-125	3	15	

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

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

MQB0115
Reported:
02/19/07 13:18

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Chain of Custody Record

REVISED

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): 24 HZTAT

On-site Time: <u>0840</u>	Temp: <u>50</u>
Off-site Time: <u>0930</u>	Temp: <u>52</u>
Sky Conditions: <u>CLM</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</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>T600100085</u>	Consultant/Contractor Project No.:
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 I with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>clewitt@stratusinc.net</u>
Tele/Fax: <u>925-275-3506</u>	Cost Element: <u>01-Contractor labor</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				Sample Point Lat/Long and Comments	
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRD-Blank	5045	TSS 16012	CO12 4014		
1	<u>07608 W INF</u>	<u>0835</u>	<u>2/27</u>		X		<u>MPP015</u>	6						X	X				<u>5045</u> <u>TBA, ETBE, MTBE</u> <u>TAME Dip</u> <u>Standard TAT</u>
2	<u>07608 W GAL 1</u>	<u>0900</u>			X			6						X	X				<u>Standard TAT</u>
3	<u>07608 W GAL 2</u>	<u>0905</u>			X			6						X	X				<u>Standard TAT</u>
4	<u>07608 W EFF</u>	<u>0910</u>			X			10	X					X	X	X	X		<u>24 HZTAT</u>
5																			
6																			
7																			
8	<u>15608 2507</u>	<u>0912</u>	<u>2/27</u>		X			6											<u>Hold</u>
9																			
10																			

Sampler's Name: <u>Chris Hill</u>	Requested By / Affiliation:	Date:	Time:	Accepted By / Affiliation:	Date:	Time:
Sampler's Company: <u>Stratus</u>	<u>[Signature]</u>	<u>2507</u>	<u>1145</u>	<u>[Signature]</u>	<u>2/27</u>	<u>1145</u>
Shipment Date: <u>2507</u>						
Shipment Method: <u>Stratus</u>						
Shipment Tracking No:						
Special Instructions: <u>Please cc results to miller@broadbentinc.com</u>						

Custody Seals in Place: Yes (No) | Temp Blank: X / No | Cooler Temp on Receipt: 4.9°C | Trip Blank: (No) / No | MS/MSD Sample Submitted: Yes (No)

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): 24 MZTAT

On-site Time: <u>0840</u>	Temp: <u>50</u>
Off-site Time: <u>0950</u>	Temp: <u>52</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</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.: _____
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: <u>G0C24</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>ciewitt@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. <u>117B115</u>	No. of Containers	Preservative					Requested Analysis				Sample Point Lat/Long and Comments	
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRD-BAK	5045	TSS 100µZ	CO1D 4104		
1	<u>00608 W INT</u>	<u>0855</u>	<u>2/5/07</u>		X		<u>01</u>	<u>6</u>						X	X				<u>5045</u> <u>TBA, ETBE, MTBE</u> <u>TAME Dipe</u>
2	<u>00608 W GAL 1</u>	<u>0900</u>			X		<u>02</u>	<u>6</u>						X	X				<u>Standard TAT</u>
3	<u>00608 W GAL 2</u>	<u>0905</u>			X		<u>03</u>	<u>6</u>						X	X				<u>Standard TAT</u>
4	<u>00608 W EFF</u>	<u>0910</u>			X		<u>04</u>	<u>10</u>	X					X	X	X	X		<u>24 MZTAT</u>
5																			
6																			
7																			
8	<u>15608 2507</u>	<u>0912</u>	<u>2/5/07</u>		X		<u>05</u>												<u>Hold</u>
9																			
10																			

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: _____	Date: <u>2507</u>	Time: <u>1145</u>	Accepted By / Affiliation: _____	Date: <u>2/5/07</u>	Time: <u>1145</u>
Sampler's Company: <u>Stratus</u>						
Shipment Date: <u>2507</u>						
Shipment Method: <u>Stratus</u>						
Shipment Tracking No: _____						

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

Custody Seals In Place: Yes No | Temp Blank: No | Cooler Temp on Receipt: 4.2°F/C | Trip Blank: No | MS/MSD Sample Submitted: Yes No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Shalus
REC. BY (PRINT): EB
WORKORDER: 1430115

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

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*								2-5-07 1145 2-5-07
2. Chain-of-Custody Present / Absent*								
3. Traffic Reports or Packing List: Present / Absent								
4. Airbill: Airbill / Sticker Present / Absent								
5. Airbill #:								
6. Sample Labels: Present / Absent								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*								
10. Sample received within hold time? Yes / No*								
11. Adequate sample volume received? Yes / No*								
12. Proper preservatives used? Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*								
14. Read Temp: <u>4.8C</u> Corrected Temp: <u>4.8C</u> Is corrected temp 4 +/- 2°C? Yes / No**								

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

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



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

April 10, 2007
Project No. E608-3

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

Subject: Monthly Discharge Report – March 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 February 20, 2007 through March 30, 2007. The GWETS operational parameters for March 2007 are summarized below:

<i>Treatment System Status:</i>	Continuous operation
<i>Reporting Period:</i>	February 20, 2007 to March 30, 2007
<i>Volume Discharged This Period:</i>	11,950 gallons
<i>Average Flow Rate This Period:</i>	0.23 gallons per minute (gpm)
<i>Effluent pH Reading:</i>	7.31 on 03/05/07
<i>Analytical Report:</i>	See Appendix B

Discussion:

During March 2007, Stratus conducted five 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 March 5, 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 March 5, 2007. GRO was reported in the influent water sample collected on March 5, 2007, at a concentration of 87 µg/L. MTBE was reported in the influent and GAC2 water samples collected on March 5, 2007, at concentrations of 5.8 µg/L, and 4.2 µg/L, respectively. GRO and benzene were below laboratory reporting limits in the mid-fluent (GAC1 and GAC2), and effluent water samples collected on March 5, 2007.

Because MTBE was reported in the mid-fluent (GAC2) carbon vessel, a carbon sample was collected to facilitate profiling, disposal, and change-out of carbon. Stratus shutdown the GWETS on March 28, 2007, to facilitate carbon change-out. The GWETS was re-started on March 30, 2007, after allowing the fresh carbon to soak in potable water for approximately 24-hours.

Between February 20, 2007 and March 30, 2007, approximately 11,950 gallons of groundwater were extracted, treated, and discharged to the sanitary sewer. Based on the totalizer and hour meter readings for the period of February 20 to March 30, 2007, the groundwater extraction and treatment rate was estimated to be approximately 0.23 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 – March 2007
ARCO Service Station No. 608, San Lorenzo

April 10, 2007
Project No. E608-03


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

Sincerely,

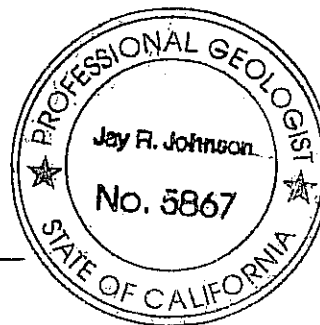
STRATUS ENVIRONMENTAL, INC.



Kiran Nagaraju
Staff Engineer



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	—	—	—

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)
07/14/94	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	—	—	—
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	0.862
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	670.0	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

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ARCO Service Station No. 608
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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)
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
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

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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)
04/20/05		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	—	—	—	—	—	—	—	—	—	—
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	813	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	—	—	—	—	—	—	—	—	—	—

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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)			
REPORTING PERIOD:						02/20/07 to 03/30/07												
CUMULATIVE GALLONS EXTRACTED:						8,759,130												
PERIOD GALLONS EXTRACTED:						11,950												
TOTAL POUNDS REMOVED:										7.56			0.31			2.969		
TOTAL GALLONS REMOVED:										1.24			0.04			0.48		
AVERAGE PERIOD (3/5/07 to 3/30/07) FLOW RATE (gpm):						0.23												
PERIOD (3/5/07 to 3/30/07) PERCENT OPERATIONAL:						99.2%												
PERIOD POUNDS REMOVED:										0.009			NA			0.001		
PERIOD GALLONS REMOVED:										0.002			NA			0.0001		

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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.

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 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	---	---	---	---

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 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)
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

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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	---	---	---	---	---
01/16/92	<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	---	---	---	---

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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-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
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	---	---	---	---

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-2 (between secondary and tertiary carbons) continued										
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	---	---	---	---
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	---	---	---	---

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-2 (between secondary and tertiary carbons) continued										
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 ^B	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
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	---	---	---	---	---

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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)
EFFL (effluent to sewer) (continued)										
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	---
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	---

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)										
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
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

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)										
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

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.

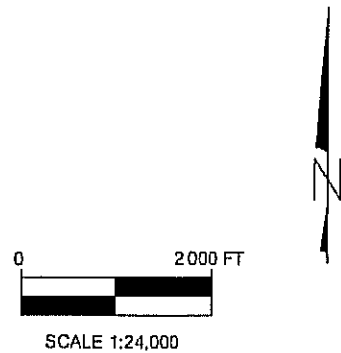
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.



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



QUADRANGLE LOCATION

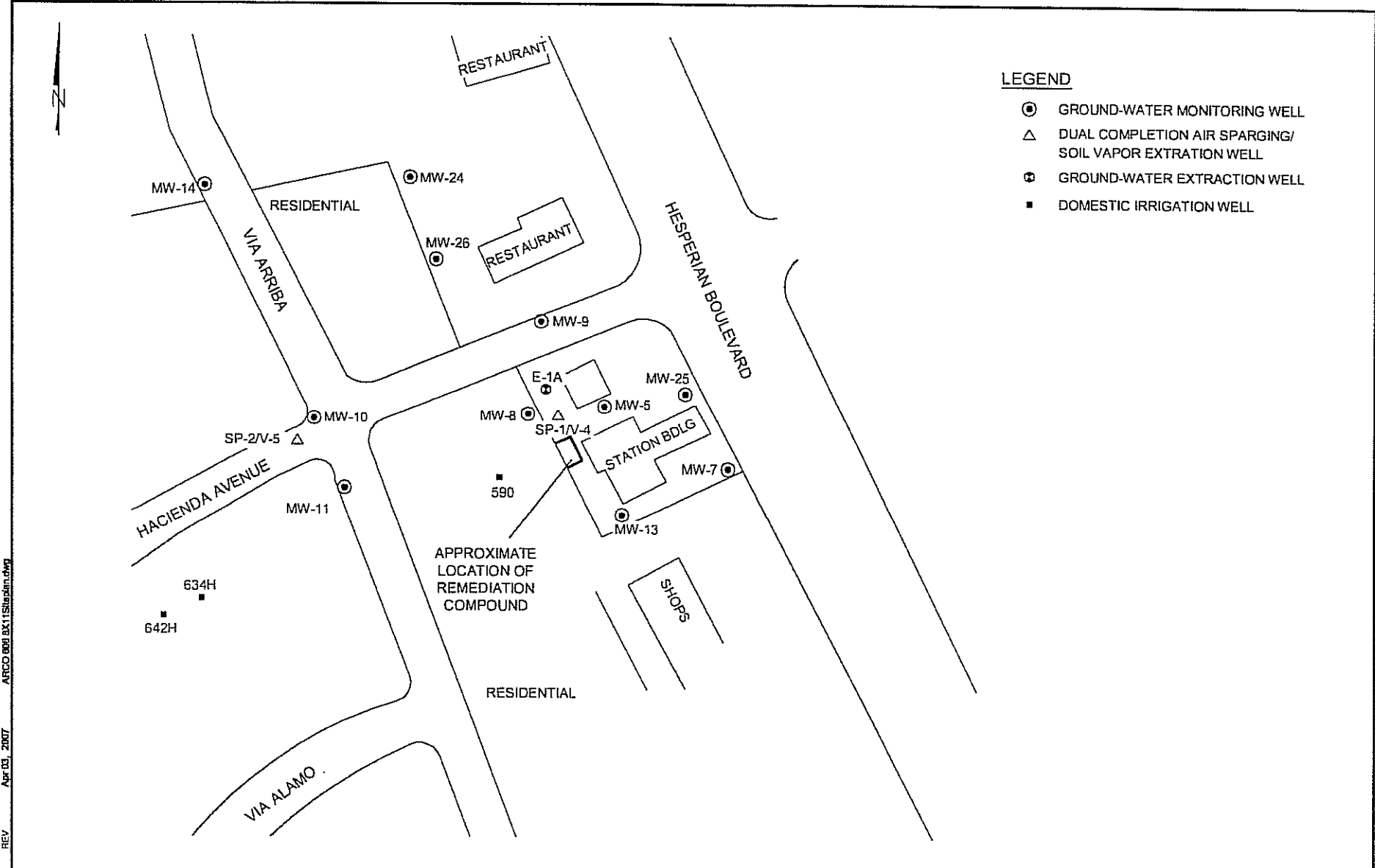


ARCO 608 Site Location Map.dwg
 Apr 03, 2007
 JMP
 ARCO608

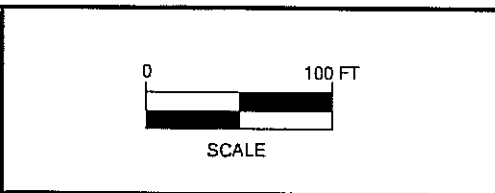
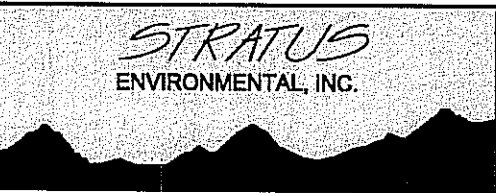
STRATUS
 ENVIRONMENTAL, INC.

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

FIGURE
1
 PROJECT NO.
 U608

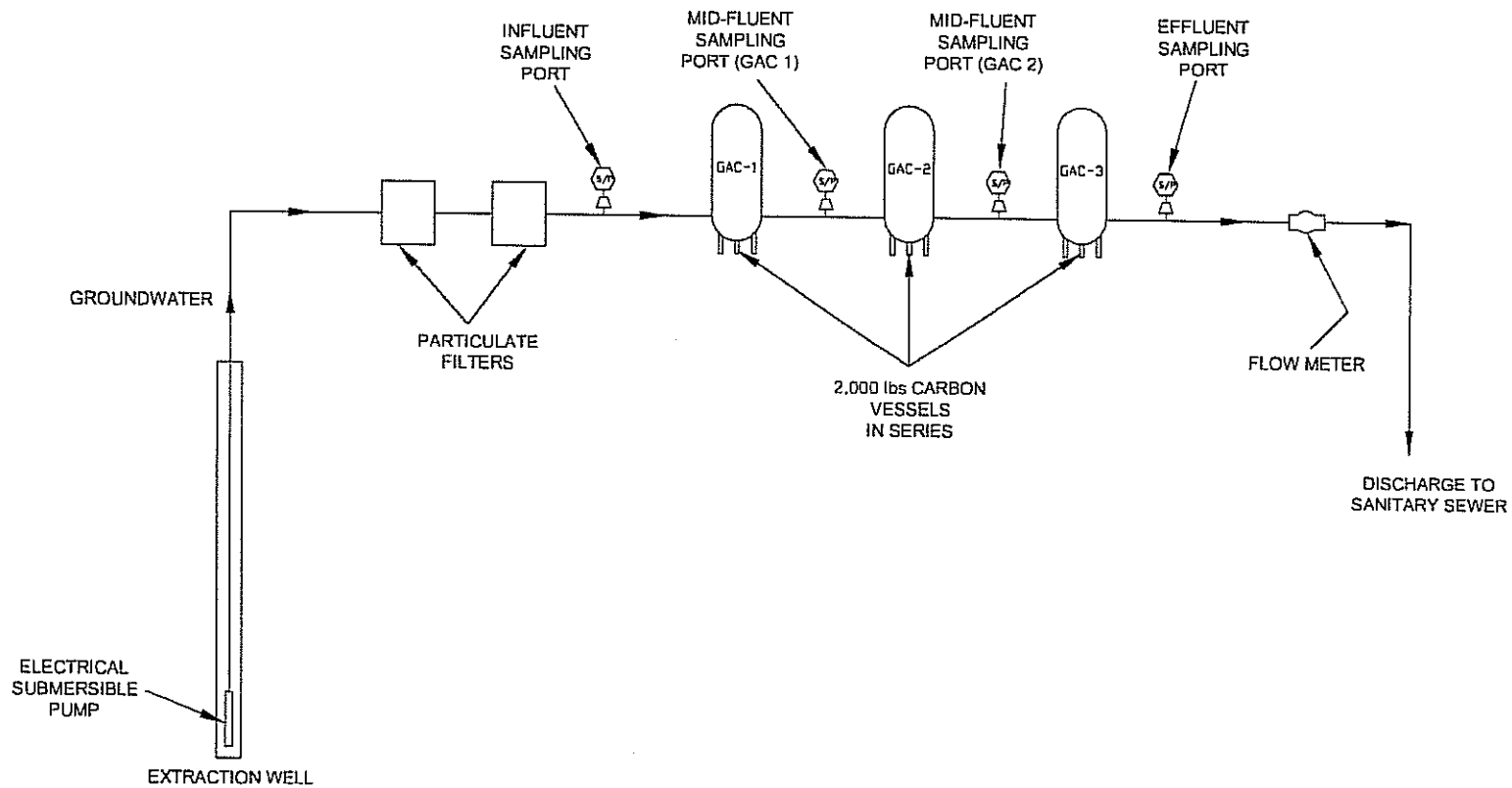


ARCO 000 BX11518arcm.dwg
 Apr 03, 2007
 REV
 JWP
 ARCO 008



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.



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)



Date: 3-5-07 Technician: CHILL
 Onsite Time: 0745 Weather Conditions: Clear
 Offsite Time: 0835 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 Non-operational

Electric Meter Reading: 51825

Hour Meter Reading: 35630.6

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4756760

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	3	3

Sample Port	Field Measurements (Monthly)		
	Temperature	pH	Electrical Conductivity
	°F	units	msiemens
Effluent	18.3	7.31	847

Sampling Information (Monthly)				
Sample ID	Date & Time		Sample ID	Date & Time
00608WINF	3507	0810		
00608WGAC1	}	0805		
00608WGAC2		0800		
00608WEFF		0755		

TB6083507
 Signature: [Handwritten Signature] 0812

Date: 3507

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



Date: 3-12-07 Technician: CHILL
 Onsite Time: 0500 Weather Conditions: Clear
 Offsite Time: 0730 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: 51930
 Hour Meter Reading: 35795.3

Flow Totalizer Reading Before Carbon Treatment: NA
 Flow Totalizer Reading After Carbon Treatment: 4759580
 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>3</u>	<u>3</u>	<u>3</u>	<u>3</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			

Change Bag Filter
Collect Carbon Sample

Signature: Date: 3-12-07

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



Date: 3-19-07 Technician: CHILL
 Onsite Time: 1000 Weather Conditions: Clear
 Offsite Time: 1030 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: 51038

Hour Meter Reading: 35968.3

Flow Totalizer Reading Before Carbon Treatment: NA

Flow Totalizer Reading After Carbon Treatment: 4762270

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	4	4.5	4.5

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: [Handwritten Signature]

Date: 3-19-07

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

ORIGINAL

Date: 3-28-07 Technician: CHILL
 Onsite Time: 0500 Weather Conditions: clear
 Offsite Time: 1900 Ambient Temperature: 60

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: 51172

Hour Meter Reading: 36178.3

Carbon Change out

Flow Totalizer Reading ^{After} ~~Before~~ Carbon Treatment: 4762980

Flow Totalizer Reading After Carbon Treatment: —

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: *Chill*

Date: 32807

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

 ORIGINAL

Date: 33007
 Onsite Time: 0530
 Offsite Time: 715
 Technician: O'HILL
 Weather Conditions: Clear
 Ambient Temperature: 45
 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: 51172
 Hour Meter Reading: 36178.3

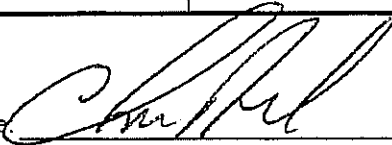
*Restart Artec
 Carbon charge
 out filled
 with water
 3:28:07
 Let sit*

Flow Totalizer Reading Before Carbon Treatment: —
 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	<u>2</u>	<u>2.5</u>	<u>1</u>	<u>1.2</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: 33007

APPENDIX B

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

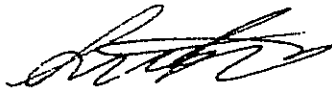
19 March, 2007

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MQC0085

Enclosed are the results of analyses for samples received by the laboratory on 03/05/07 11:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

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

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

MQC0085
Reported:
03/19/07 12:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
00608WINF	MQC0085-01	Water	03/05/07 08:10	03/05/07 11:00
00608WGAC1	MQC0085-02	Water	03/05/07 08:05	03/05/07 11:00
00608WGAC2	MQC0085-03	Water	03/05/07 08:00	03/05/07 11:00
00608WEFF	MQC0085-04	Water	03/05/07 07:55	03/05/07 11:00
TB6083507	MQC0085-05	Water	03/05/07 08:12	03/05/07 11:00

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

These samples were received with no custody seals.

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	MQC0085 Reported: 03/19/07 12:46
---	--	--

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQC0085-01) Water Sampled: 03/05/07 08:10 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	87	50	ug/l	1	7C06008	03/06/07	03/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		102 %	60-145		"	"	"	"	
00608WGAC1 (MQC0085-02) Water Sampled: 03/05/07 08:05 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C06008	03/06/07	03/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		103 %	60-145		"	"	"	"	
00608WGAC2 (MQC0085-03) Water Sampled: 03/05/07 08:00 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C06008	03/06/07	03/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		103 %	60-145		"	"	"	"	
00608WEFF (MQC0085-04) Water Sampled: 03/05/07 07:55 Received: 03/05/07 11:00									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C06003	03/06/07	03/06/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		112 %	60-145		"	"	"	"	

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

MQC0085
Reported:
03/19/07 12:46

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
00608WINF (MQC0085-01) Water Sampled: 03/05/07 08:10 Received: 03/05/07 11:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C06008	03/06/07	03/06/07	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	5.8	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %	75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	60-145		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97 %	60-120		"	"	"	"	
00608WGAC1 (MQC0085-02) Water Sampled: 03/05/07 08:05 Received: 03/05/07 11:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C06008	03/06/07	03/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %	75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	60-145		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91 %	60-120		"	"	"	"	

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Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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00608WGAC2 (MQC0085-03) Water Sampled: 03/05/07 08:00 Received: 03/05/07 11:00

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C06008	03/06/07	03/06/07	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	4.2	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane		100 %	75-130	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		103 %	60-145	"	"	"	"	"	
Surrogate: Toluene-d8		96 %	70-130	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90 %	60-120	"	"	"	"	"	

00608WEFF (MQC0085-04) Water Sampled: 03/05/07 07:55 Received: 03/05/07 11:00

tert-Amyl methyl ether	ND	0.50	ug/l	1	7C06003	03/06/07	03/06/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane		99 %	75-130	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		112 %	60-145	"	"	"	"	"	
Surrogate: Toluene-d8		94 %	70-130	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84 %	60-120	"	"	"	"	"	

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	MQC0085 Reported: 03/19/07 12:46
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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 (MQC0085-04) Water Sampled: 03/05/07 07:55 Received: 03/05/07 11:00									
Chemical Oxygen Demand	ND	30000	ug/l	1	7C12019	03/09/07	03/09/07	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	7C07007	03/06/07	03/07/07	EPA 160.2	

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Project: ARCO #0608, San Lorenzo, CA
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Reported:
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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
Batch 7C06003 - EPA 5030B P/T / LUFT GCMS										
Blank (7C06003-BLK1)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.63		"	2.50		105	60-145			
Laboratory Control Sample (7C06003-BS2)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	469	50	ug/l	500		94	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.51		"	2.50		100	60-145			
Laboratory Control Sample Dup (7C06003-BSD2)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	484	50	ug/l	500		97	75-140	3	20	
Surrogate: 1,2-Dichloroethane-d4	2.58		"	2.50		103	60-145			
Batch 7C06008 - EPA 5030B P/T / LUFT GCMS										
Blank (7C06008-BLK1)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.58		"	2.50		103	60-145			
Laboratory Control Sample (7C06008-BS2)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	490	50	ug/l	500		98	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.54		"	2.50		102	60-145			
Laboratory Control Sample Dup (7C06008-BSD2)										
Prepared & Analyzed: 03/06/07										
Gasoline Range Organics (C4-C12)	526	50	ug/l	500		105	75-140	7	20	
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-145			

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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 7C06003 - EPA 5030B P/T / EPA 8260B

Blank (7C06003-BLK1)

Prepared & Analyzed: 03/06/07

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>	2.37		"	2.50		95	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.63		"	2.50		105	60-145			
<i>Surrogate: Toluene-d8</i>	2.28		"	2.50		91	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.02		"	2.50		81	60-120			

Laboratory Control Sample (7C06003-BS1)

Prepared & Analyzed: 03/06/07

tert-Amyl methyl ether	10.4	0.50	ug/l	10.0		104	65-135			
Benzene	10.0	0.50	"	10.0		100	70-125			
tert-Butyl alcohol	206	20	"	200		103	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0		103	70-130			
Ethyl tert-butyl ether	10.3	0.50	"	10.0		103	65-130			
Ethylbenzene	11.4	0.50	"	10.0		114	70-130			
Methyl tert-butyl ether	10.5	0.50	"	10.0		105	50-140			
Toluene	10.4	0.50	"	10.0		104	70-120			
Xylenes (total)	34.4	0.50	"	30.0		115	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.53		"	2.50		101	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-145			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.63		"	2.50		105	60-120			

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Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C06003 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7C06003-MS1)	Source: MQC0085-04			Prepared & Analyzed: 03/06/07						
tert-Amyl methyl ether	12.3	0.50	ug/l	10.0	ND	123	65-135			
Benzene	11.4	0.50	"	10.0	0.25	112	70-125			
tert-Butyl alcohol	228	20	"	200	ND	114	60-135			
Di-isopropyl ether	12.0	0.50	"	10.0	ND	120	70-130			
Ethyl tert-butyl ether	12.4	0.50	"	10.0	ND	124	65-130			
Ethylbenzene	13.0	0.50	"	10.0	ND	130	70-130			
Methyl tert-butyl ether	12.5	0.50	"	10.0	ND	125	50-140			
Toluene	11.7	0.50	"	10.0	ND	117	70-120			
Xylenes (total)	39.2	0.50	"	30.0	ND	131	80-125			LM
Surrogate: Dibromofluoromethane	2.54		"	2.50		102	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.59		"	2.50		104	60-145			
Surrogate: Toluene-d8	2.52		"	2.50		101	70-130			
Surrogate: 4-Bromofluorobenzene	2.66		"	2.50		106	60-120			

Matrix Spike Dup (7C06003-MSD1)	Source: MQC0085-04			Prepared & Analyzed: 03/06/07						
tert-Amyl methyl ether	10.7	0.50	ug/l	10.0	ND	107	65-135	14	25	
Benzene	10.2	0.50	"	10.0	0.25	100	70-125	11	15	
tert-Butyl alcohol	214	20	"	200	ND	107	60-135	6	35	
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	70-130	11	35	
Ethyl tert-butyl ether	11.0	0.50	"	10.0	ND	110	65-130	12	35	
Ethylbenzene	11.8	0.50	"	10.0	ND	118	70-130	10	15	
Methyl tert-butyl ether	11.0	0.50	"	10.0	ND	110	50-140	13	25	
Toluene	10.4	0.50	"	10.0	ND	104	70-120	12	15	
Xylenes (total)	35.2	0.50	"	30.0	ND	117	80-125	11	15	
Surrogate: Dibromofluoromethane	2.64		"	2.50		106	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.49		"	2.50		100	60-145			
Surrogate: Toluene-d8	2.48		"	2.50		99	70-130			
Surrogate: 4-Bromofluorobenzene	2.60		"	2.50		104	60-120			

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MQC0085
Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C06008 - EPA 5030B P/T / EPA 8260B

Blank (7C06008-BLK1)

Prepared & Analyzed: 03/06/07

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>	2.40		"	2.50		96	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.58		"	2.50		103	60-145			
<i>Surrogate: Toluene-d8</i>	2.45		"	2.50		98	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.40		"	2.50		96	60-120			

Laboratory Control Sample (7C06008-BS1)

Prepared & Analyzed: 03/06/07

tert-Amyl methyl ether	11.1	0.50	ug/l	10.0		111	65-135			
Benzene	10.5	0.50	"	10.0		105	70-125			
tert-Butyl alcohol	204	20	"	200		102	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0		111	70-130			
Ethyl tert-butyl ether	10.7	0.50	"	10.0		107	65-130			
Ethylbenzene	10.6	0.50	"	10.0		106	70-130			
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	50-140			
Toluene	10.1	0.50	"	10.0		101	70-120			
Xylenes (total)	31.4	0.50	"	30.0		105	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-145			
<i>Surrogate: Toluene-d8</i>	2.50		"	2.50		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.48		"	2.50		99	60-120			

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Reported:
03/19/07 12:46

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7C06008 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7C06008-MS1)	Source: MQC0084-02			Prepared & Analyzed: 03/06/07						
tert-Amyl methyl ether	11.9	0.50	ug/l	10.0	ND	119	65-135			
Benzene	10.5	0.50	"	10.0	ND	105	70-125			
tert-Butyl alcohol	217	20	"	200	ND	108	60-135			
Di-isopropyl ether	11.3	0.50	"	10.0	ND	113	70-130			
Ethyl tert-butyl ether	11.2	0.50	"	10.0	ND	112	65-130			
Ethylbenzene	10.7	0.50	"	10.0	ND	107	70-130			
Methyl tert-butyl ether	11.0	0.50	"	10.0	ND	110	50-140			
Toluene	10.2	0.50	"	10.0	ND	102	70-120			
Xylenes (total)	31.6	0.50	"	30.0	ND	105	80-125			
<i>Surrogate: Dibromofluoromethane</i>	<i>2.57</i>		<i>"</i>	<i>2.50</i>		<i>103</i>	<i>75-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.60</i>		<i>"</i>	<i>2.50</i>		<i>104</i>	<i>60-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>2.48</i>		<i>"</i>	<i>2.50</i>		<i>99</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>2.55</i>		<i>"</i>	<i>2.50</i>		<i>102</i>	<i>60-120</i>			

Matrix Spike Dup (7C06008-MSD1)	Source: MQC0084-02			Prepared & Analyzed: 03/06/07						
tert-Amyl methyl ether	11.8	0.50	ug/l	10.0	ND	118	65-135	0.8	25	
Benzene	10.7	0.50	"	10.0	ND	107	70-125	2	15	
tert-Butyl alcohol	225	20	"	200	ND	112	60-135	4	35	
Di-isopropyl ether	11.7	0.50	"	10.0	ND	117	70-130	3	35	
Ethyl tert-butyl ether	11.3	0.50	"	10.0	ND	113	65-130	0.9	35	
Ethylbenzene	10.9	0.50	"	10.0	ND	109	70-130	2	15	
Methyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	50-140	2	25	
Toluene	10.4	0.50	"	10.0	ND	104	70-120	2	15	
Xylenes (total)	32.7	0.50	"	30.0	ND	109	80-125	3	15	
<i>Surrogate: Dibromofluoromethane</i>	<i>2.59</i>		<i>"</i>	<i>2.50</i>		<i>104</i>	<i>75-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.55</i>		<i>"</i>	<i>2.50</i>		<i>102</i>	<i>60-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>2.46</i>		<i>"</i>	<i>2.50</i>		<i>98</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>2.52</i>		<i>"</i>	<i>2.50</i>		<i>101</i>	<i>60-120</i>			

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Reported:
03/19/07 12:46

**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 7C07007 - General Preparation / EPA 160.2

Blank (7C07007-BLK1) Prepared: 03/06/07 Analyzed: 03/07/07

Total Suspended Solids ND 10000 ug/l

Duplicate (7C07007-DUP1) Source: MQC0085-04 Prepared: 03/06/07 Analyzed: 03/07/07

Total Suspended Solids ND 10000 ug/l ND 20

Batch 7C12019 - General Preparation / EPA 410.4

Blank (7C12019-BLK1) Prepared & Analyzed: 03/09/07

Chemical Oxygen Demand ND 30000 ug/l

Laboratory Control Sample (7C12019-BS1) Prepared & Analyzed: 03/09/07

Chemical Oxygen Demand 107000 30000 ug/l 100000 107 90-110

Matrix Spike (7C12019-MS1) Source: MQB0850-01 Prepared & Analyzed: 03/09/07

Chemical Oxygen Demand 92000 30000 ug/l 100000 ND 92 75-125

Matrix Spike Dup (7C12019-MSD1) Source: MQB0850-01 Prepared & Analyzed: 03/09/07

Chemical Oxygen Demand 91000 30000 ug/l 100000 ND 91 75-125 I 15

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

MQC0085
Reported:
03/19/07 12:46

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Monday, March 19, 2007 11:08 AM
To: Lisa Race
Subject: RE: Pleas verify global ID for ARCO#0608 - MQC0085

Hi Lisa,

Should be T0600100085.

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: Monday, March 19, 2007 10:54 AM
To: shayes@stratusinc.net
Subject: Pleas verify global ID for ARCO#0608 - MQC0085
Importance: High

The global ID has only 10 digits. Please verify.

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

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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: <u>0745</u>	Temp: <u>50</u>
Off-site Time: <u>0835</u>	Temp: <u>50</u>
Sky Conditions: <u>Cloud</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>	Site Lat/Long:	Consultant/Contractor Project No.: <u>E608-03</u>
Tele/Fax: <u>408-782-8156/408-782-6308</u>	California Global ID No.: <u>T600100085</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Enfos Project No.: <u>G0C24-0017</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150 San Ramon, CA</u>	Provision or OOC (circle one) <u>Provision</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
Tele/Fax: <u>925-275-3506/925-275-3815</u>	Phase/WBS: <u>03-O&M</u>	E-mail EDD To: <u>shaves@stratusinc.net</u>
	Sub Phase/Task: <u>03-Analytical</u>	Invoice to: <u>Atlantic Richfield Co.</u>
	Cost Element: <u>Subcontractor Cost</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	0800	3-7-07		x		61	4							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		62	4							x	x	x							
3	00608WGAC2	0807			x		63	4							x	x	x							
4	00608WEFF	0755			x		64	10							x	x	x	x	x					
5																								
6																								
7	TBL 083507	0802	3-5-07				67	1																Hold
8																								
9																								
10																								

Sampler's Name: <u>Chris Hill</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>3/7/07</u>	Time: <u>10:00</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>3/7/07</u>	Time: <u>11:00</u>
Sampler's Company: <u>Stratus Environmental, Inc.</u>						
Shipment Date: <u>3-5-07</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: 2 °C | Trip Blank: Yes No | MS/MSD Sample Submitted: Yes No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Analysis
 REC. BY (PRINT) EB
 WORKORDER: MP26085

DATE REC'D AT LAB: 3-5-07
 TIME REC'D AT LAB: 1100
 DATE LOGGED IN: 3-5-07

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / <input checked="" type="checkbox"/> Absent Intact / Broken*	11	60608 WIND	4 wa	HCE	-	L	3-5-07	
2. Chain-of-Custody	Present / <input checked="" type="checkbox"/> Absent*	12	60608 W GAC 1	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List:	Present / <input checked="" type="checkbox"/> Absent	13	L 2	↓	↓	↓	↓	↓	
4. Airbill:	Airbill / Sticker Present / <input checked="" type="checkbox"/> Absent	14	60608 W EFF	4 wa	HCE	↓	↓	↓	
5. Airbill #:		15	L	4 wa	H2SO4	↓	↓	↓	
6. Sample Labels:	Present / <input checked="" type="checkbox"/> Absent		FB6083507	12 poly (3)	-	↓	↓	↓	
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody			1 wa	HCE	↓	↓	↓	
8. Sample Condition:	Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / <input checked="" type="checkbox"/> No*								
10. Sample received within hold time?	Yes / <input checked="" type="checkbox"/> No*								
11. Adequate sample volume received?	Yes / <input checked="" type="checkbox"/> No*								
12. Proper preservatives used?	Yes / <input checked="" type="checkbox"/> No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / <input checked="" type="checkbox"/> No*								
14. Read Temp: <u>0C</u> Corrected Temp: <u>0C</u> Is corrected temp 4 +/- 2°C? Yes / <input checked="" type="checkbox"/> No**									
(Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / <input checked="" type="checkbox"/> DFF ON ICE or Problem COC									

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

APPENDIX C

GEOTRACKER UPLOAD CONFIRMATIONS

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UPLOADING A GEO_WELL FILE

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

Submittal Title: 1Q07 GEO_WELL 608

Submittal Date/Time: 4/18/2007 9:18:24 AM

Confirmation Number: 1551976084

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Confirmation Number: 6062355697
Date/Time of Submittal: 4/18/2007 9:21:48 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: 1Q GW Monitoring
Submittal Type: GW Monitoring 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)
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<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
6062355697	1Q GW Monitoring	Q1 2007
<u>SUBMITTED BY</u> Broadbent & Associates, Inc.	<u>SUBMIT DATE</u> 4/18/2007	<u>STATUS</u> PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	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%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

<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: 7847905457
Date/Time of Submittal: 4/18/2007 9:43:27 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: Monthly System Sampling 0107 1
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>
7847905457	Monthly System Sampling 0107 1	Q1 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	4/18/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	2
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH,E160.2,E1664A,E200.7,E245.2,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: 2318494558
Date/Time of Submittal: 4/18/2007 9:46:44 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: Monthly System Sampling 0107 2
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>
2318494558	Monthly System Sampling 0107 2	Q1 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	4/18/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

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

METHOD QA/QC REPORT

METHODS USED	E335.2,E420.1
TESTED FOR REQUIRED ANALYTES?	Y
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	n/a
- MATRIX SPIKE	n/a
- MATRIX SPIKE DUPLICATE	n/a
- BLANK SPIKE	n/a
- SURROGATE SPIKE	n/a

WATER SAMPLES FOR 8021/8260 SERIES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

<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: 6690299987
Date/Time of Submittal: 4/18/2007 9:50:28 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: Monthly System Sampling 0207
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)
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<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
6690299987	Monthly System Sampling 0207	Q1 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	4/18/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	2
# 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	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	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: 9220084965
Date/Time of Submittal: 4/18/2007 9:58:38 AM
Facility Global ID: T0600100085
Facility Name: ARCO #00608
Submittal Title: Monthly System Sampling 0307
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)
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<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
9220084965	Monthly System Sampling 0307	Q1 2007
<u>SUBMITTED BY</u> Broadbent & Associates, Inc.	<u>SUBMIT DATE</u> 4/18/2007	<u>STATUS</u> PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	2
# 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	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% Y

SOIL SAMPLES FOR 8021/8260 SERIES

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

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a

SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

FIELD QC SAMPLES

<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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CONTACT SITE ADMINISTRATOR.