R0255

URS

Alameda County
AUG 0 2 2004
Environmental Health

July 30, 2004

Mr. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Re: Second Quarter 2004 Groundwater Monitoring and Remediation System Performance Report
Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California
URS Project #38486707

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company (RM), a BP affiliated company, URS Corporation (URS) is submitting the *Second Quarter 2004 Groundwater Monitoring and Remediation System Performance Report* for Atlantic Richfield Company Service Station #0608, located at 17601 Hesperian Boulevard, San Lorenzo, California.

If you have any questions regarding this submission, please call me at (510) 874-3280.

Sincerely,
URS CORPORATION

Scott Robinson
Project Manager

Teresa Tamburello, P.E.
Project Engineer

REGISTERED PROFESSIONAL ENGINEER
TERESA TAMBURELLO
C67138
Exp. Date 9/30/04
CIVIL
STATE OF CALIFORNIA

Enclosure: Second Quarter 2004 Groundwater Monitoring and Remediation System Performance Report

cc: Mr. Paul Supple, RM, (electronic copy uploaded to ENFOS)
Mr. Ron Sykora/Mr. Robert L. Webster, David D. Bohannon Organization, 60 Hillsdale Mall, San Mateo, CA 94403
Mr. John Kaiser, Regional Water Quality Control Board - San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510.874.3268

Date: July 30, 2004

Quarter: 2Q 04

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING AND REMEDIATION SYSTEM PERFORMANCE REPORT

Facility No.:	0608	Address:	17601 Hesperian Boulevard, San Lorenzo, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486707
Primary Agency:			Alameda County Environmental Health (ACEH)

WORK PERFORMED THIS QUARTER (Second -- 2004):

1. Prepared and submitted first quarter 2004 groundwater monitoring and remediation system performance report.
2. Performed second quarter 2004 groundwater monitoring event on June 10, 2004
3. Continued operation, maintenance and performance monitoring of the groundwater extraction and treatment (GWET) system.
4. Continued monthly payments to homeowners for not using domestic irrigation wells.
5. Continued homeowner quarterly monitoring result notification program.
6. Submitted monthly discharge reports to Oro Loma Sanitary District.

WORK PROPOSED FOR NEXT QUARTER (Third – 2004):

1. Prepare and submit second quarter 2004 groundwater monitoring and remediation system performance report.
2. Perform third quarter 2004 groundwater monitoring event.
3. Continue operation, maintenance and performance monitoring of GWET system.
4. Continue monthly payments to homeowners for not using domestic irrigation wells.
5. Continue homeowner quarterly monitoring result notification program.
6. Submit monthly discharge reports to Oro Loma Sanitary District.
7. Destroy homeowner domestic wells, if permissible.

Current Phase of Project:	Groundwater monitoring/sampling/remediation
Frequency of Groundwater Sampling:	See Table 4
Frequency of Groundwater Monitoring:	See Table 4
Is Free Product (FP) Present On-Site:	No
FP Recovered this Quarter	None
Current Remediation Techniques:	GWET
Approximate Depth to Groundwater:	9.25 feet (MW-14) to 11.82 feet (MW-26); 16.67(E-1A) feet extraction well while system pumping.
Groundwater Gradient (direction):	West
Groundwater Gradient (magnitude):	0.006 feet per foot

Frequency of GWET System Field Monitoring:	Bi-weekly			
Frequency of GWET System Lab Sampling:	Monthly			
System Restart:	06/05/2000			
Extraction Well:	E-1A			
Permits for Discharge:	Oro Loma Sanitary District Permit No. SDP-037 Expires 08/04/2005			
Gallons of Groundwater Treated and Discharge for this Quarter:	183,794			
Total Gallons of Groundwater Treated and Discharged to Date:	7,279,322			
Total Operation Hours to Date:	58,154			
Mass Removal (pounds):	Quarterly		Cumulative	
GRO:	0.015		7.41	
Benzene:	0.000		0.31	
MTBE:	0.033		2.83	
GWET System Samples Collection Dates and Effluent Results (µg/L):	04/07/04	04/22/04	5/19/04	6/16/04
GRO:	ND<50	ND<50	ND<50	ND<50
Benzene:	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MTBE:	ND<0.50	ND<0.50	ND<0.50	ND<0.50

DISCUSSION:

Gasoline range organics (GRO) were detected above laboratory reporting limits in three of the eight wells sampled this quarter at concentrations ranging from 55 µg/L (MW-5) to 600 µg/L (MW-10). Benzene was not detected above laboratory reporting limits in any of the wells sampled this quarter. Methyl-tert-butyl ether (MTBE) was detected above laboratory reporting limits in six wells at concentrations ranging from 2.1 µg/L (MW-8) to 410 µg/L (MW-10). Tert-Amyl methyl ether (TAME) was detected above the laboratory reporting limits in four wells at concentrations ranging from 1.0 µg/L (MW-5) to 11 µg/L (MW-10).

Domestic irrigation well 17372VM was sampled this quarter. No dissolved hydrocarbons were detected above the laboratory reporting limits in this well. Domestic irrigation well 642H was not sampled because the owner was not home.

From March 18 to June 16, 2003, the system operated 100 percent of the time. During this time period, a total of 183,794 gallons of groundwater were treated. Performance data and laboratory analytical data are listed in Tables 5 and 6. The calculation of total gallons of groundwater treated was updated this quarter using an estimate of 40,320 gallons for the period from the reading on July 14, 1994 to the totalizer switchout on July 28, 1994.

REPORT

SECOND QUARTER 2004 GROUNDWATER MONITORING & REMEDIATION SYSTEM PERFORMANCE REPORT

ATLANTIC RICHFIELD COMPANY
SERVICE STATION #0608
17601 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

Prepared for
Atlantic Richfield Company

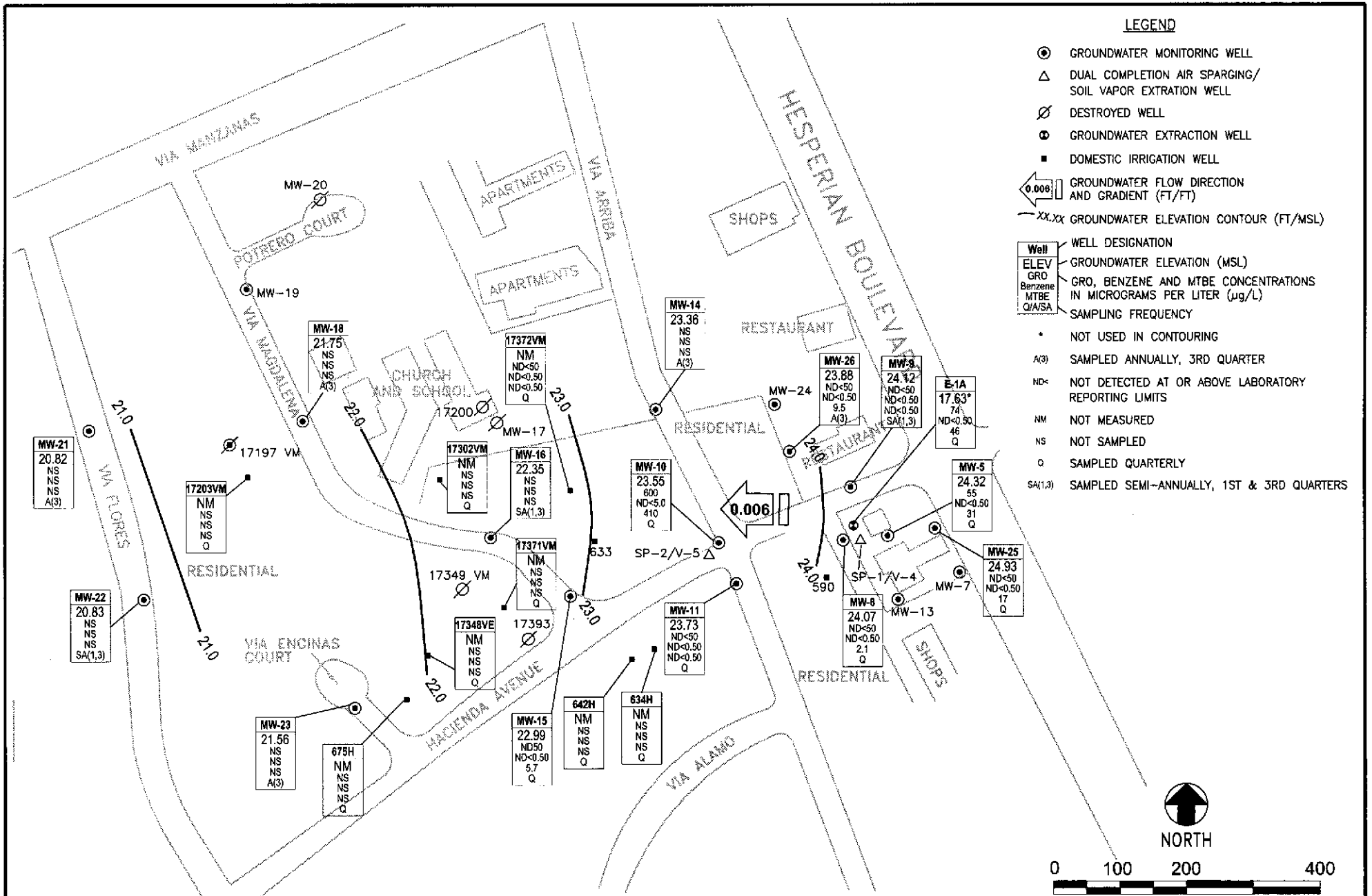
July 30, 2003

URS
URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486707

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – June 10, 2004
- Figure 2 – Groundwater Extraction System Mass Removal Trend GRO/TPH-g and Benzene
- Figure 3 – Groundwater Extraction System Concentration Trend GRO/TPH-g and Benzene
- Figure 4 – Groundwater Extraction System Mass Removal Trend MTBE
- Figure 5 – Groundwater Extraction System Concentration Trend MTBE
- Table 1 – Groundwater Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Table 4 – Groundwater Sampling Schedule
- Table 5 – Groundwater Extraction System Performance Data
- Table 6 – Treatment System Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – Historical Groundwater Data Tables
- Attachment D – EDCC Report and EDF/Geowell Submittal Confirmation



NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES.
SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

"Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (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."

URS

Project No. 38486707

Arco Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Second Quarter 2004 (June 10, 2004)

FIGURE 1

Jul 22, 2004 - 3:07pm
X:\e_env_waste\BP GEM\Sites\Scott Robinson Pond Supply\0608\Monitoring\Qtr 2, 2004\Drawings\KWEC-AS_6-1004.dwg

Figure 2
Groundwater Extraction System Mass Removal Trend
TPH-g/GRO and Benzene

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

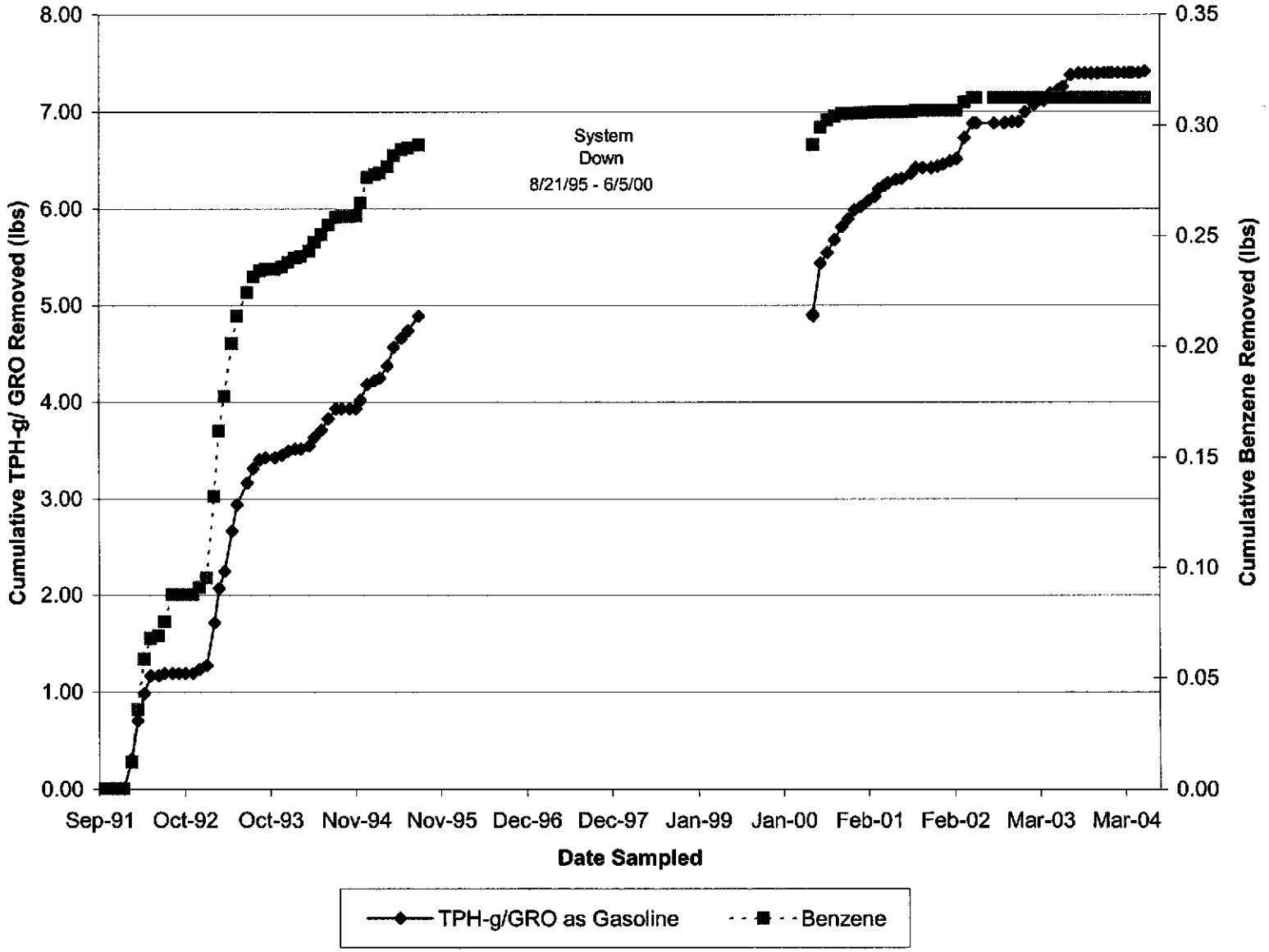


Figure 3
Groundwater Extraction System Concentration Trend
TPH-g/ GRO and Benzene

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

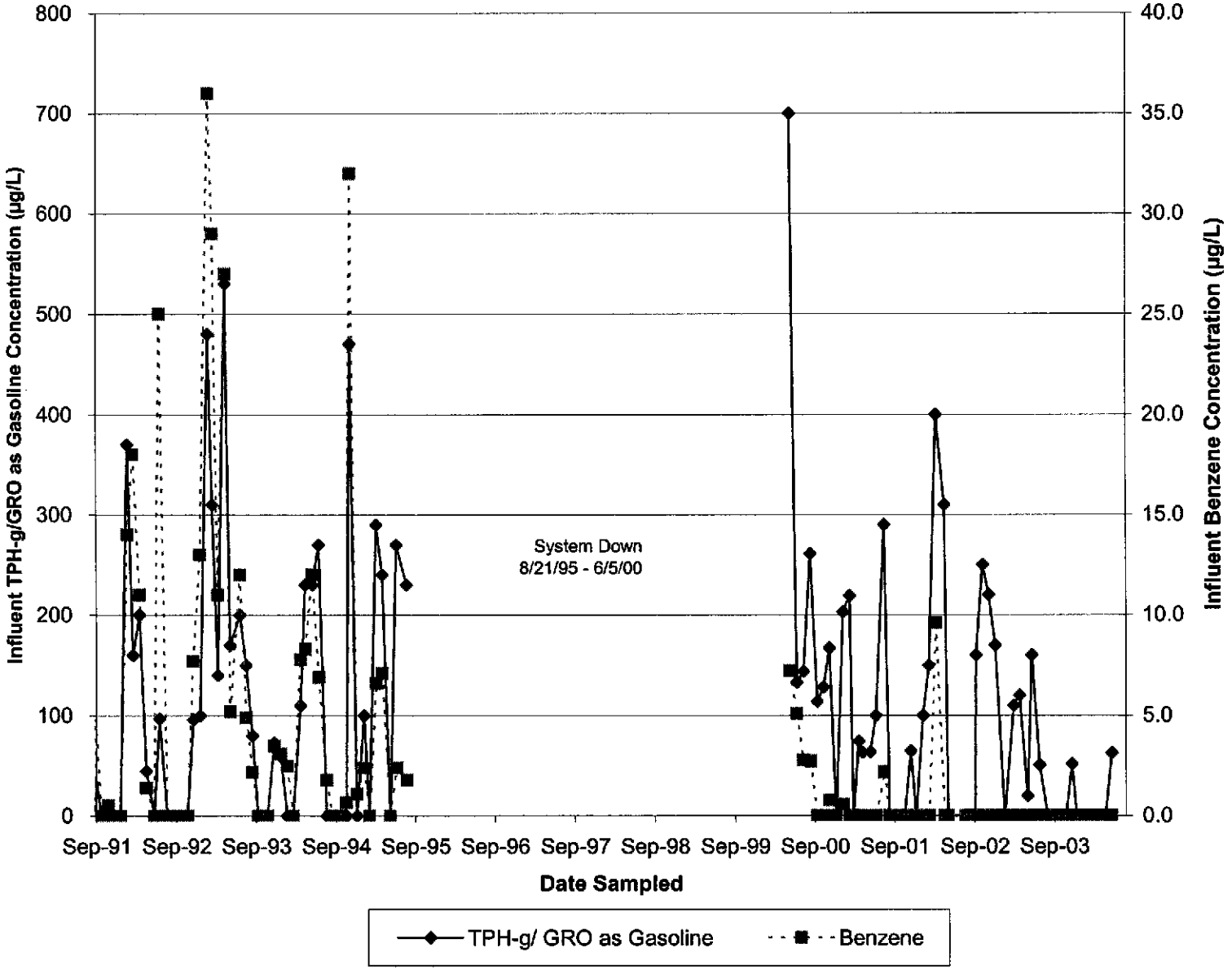


Figure 4
Groundwater Extraction System Mass Removal Trend
MtBE

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

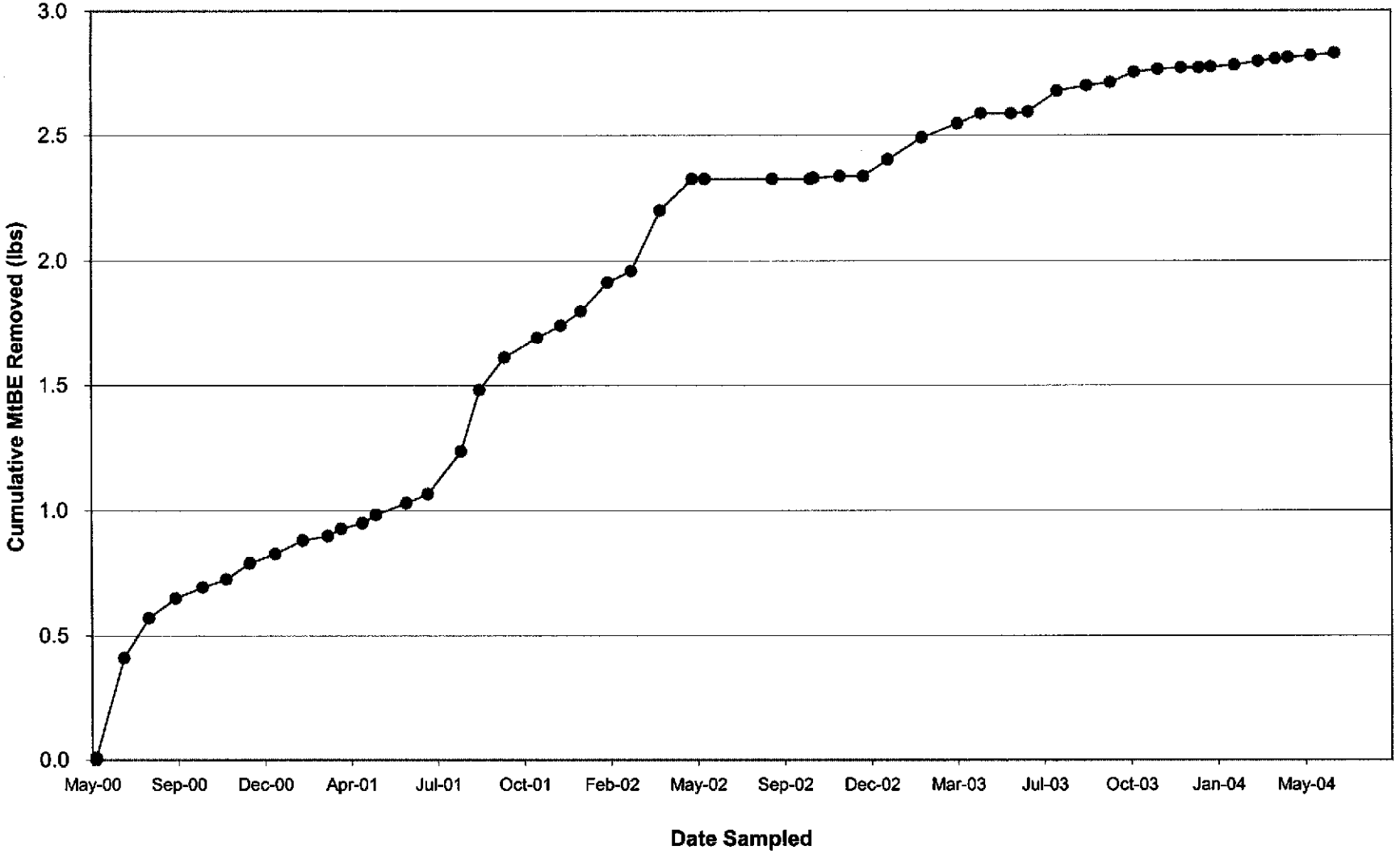
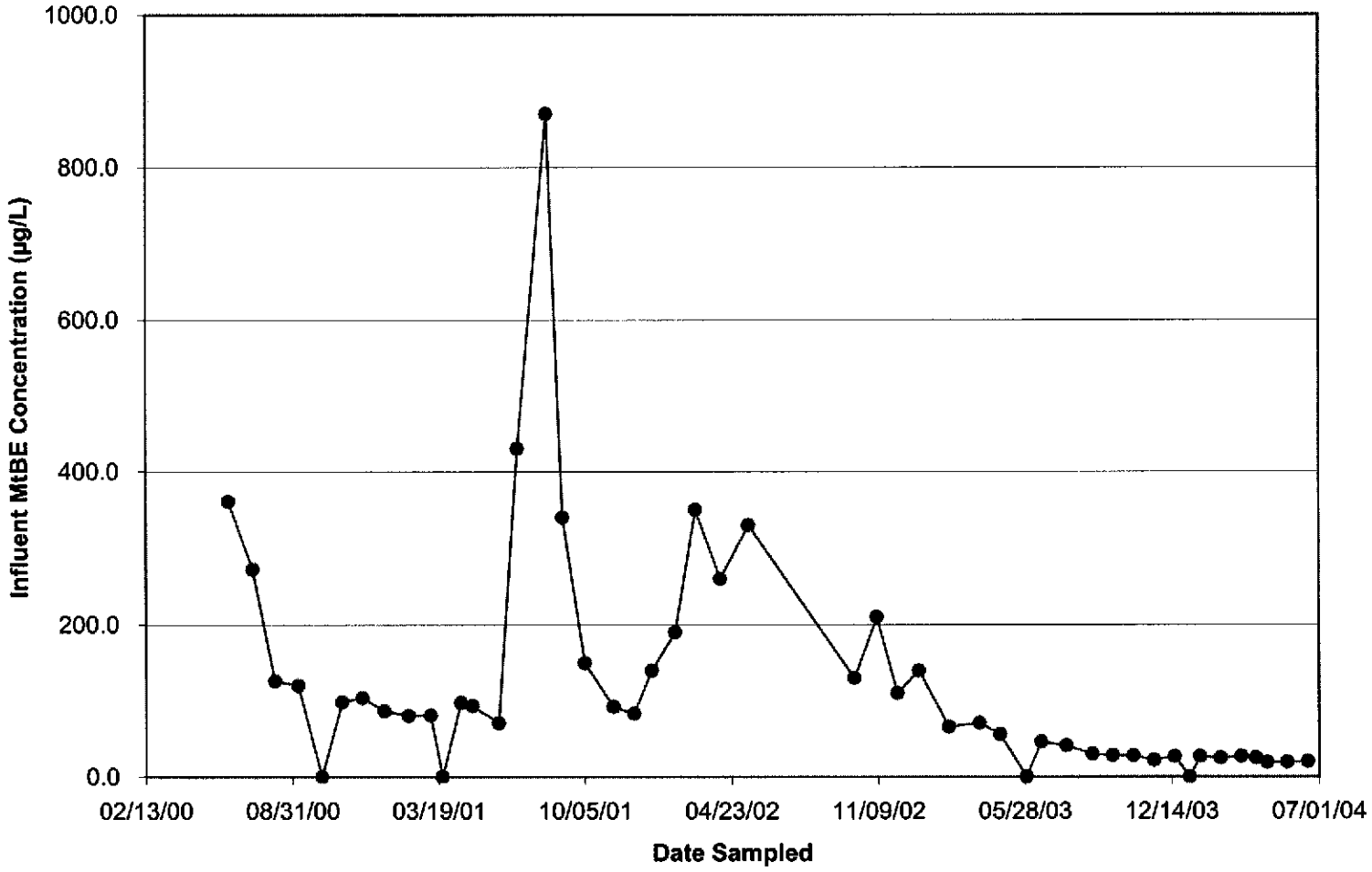


Figure 5
Groundwater Extraction System Concentration Trend
MtBE

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California



URS Corporation

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Well Elevation TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
17349 VM	3/13/2002	--	--	--	--	--	--	--	<50	1	<0.50	<0.50	<0.50	49	--	--
	6/28/2002	--	--	--	--	--	--	--	66	0.50	<0.50	<0.50	<0.50	47/45	--	--
	9/20/2002	--	--	--	--	--	--	--	NS	NS	NS	NS	NS	--	--	--
17372 VM	3/13/2002	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/30/2003	--	--	--	--	--	--	--	NS	NS	NS	NS	NS	--	--	--
	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	--	--
	03/10/2004	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	06/10/2004	**NP**	**--**	**--**	**--**	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**4.1**	**6.9**
642 H	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	--	--
	3/13/2002	--	--	--	--	--	--	--	NS	NS	NS	NS	NS	--	--	--
	9/15/2003	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	--	--	--	--	--	--	NS	NS	NS	NS	NS	--	--	--
	12/04/2003	NP	--	--	--	14.75	--	--	--	--	--	--	--	--	3.2	7.1
	06/10/2004	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**7.9**	**--**
E-1A	3/13/2002	--	33.06 a	--	--	21.75	--	11.31	200	<0.50	<0.50	<0.50	<0.50	310	--	--
	6/28/2002	--	33.06	--	--	11.22	--	21.84	260b	<0.50	11	1.2	1.2	150	--	--
	9/20/2002	--	33.06	--	--	11.80	--	21.26	250	1.18	0.52	<0.5	<1.5	218	--	--
	12/30/2002	--	33.06	--	--	16.33	--	16.73	190 c,e	<1.2 e	<1.2 e	<1.2 e	<1.2 e	190 e	--	--
	3/27/2003	--	33.06	--	--	13.63 g	--	19.43	96	<0.50	<0.50	<0.50	<0.50	60	--	--
	6/30/2003	P	33.06	--	--	9.60 h	--	23.46	140	<0.50	<0.50	<0.50	<0.50	37	--	--
	9/15/2003	P	33.06	--	--	17.80 g	--	15.26	83	<0.50	<0.50	<0.50	<0.50	49	--	--
	03/10/2004	NP	34.30	--	--	16.78	--	17.52	<100	<1.0	<1.0	<1.0	<1.0	38	4.9	7.2
	06/10/2004	**NP**	**34.30**	**--**	**--**	**16.67**	**--**	**17.63**	**74**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**46**	**2.**	**6.7**
MW-1	3/15/1996	--	175.04	--	--	14.24	--	160.80	NS	NS	NS	NS	NS	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Well Elevation TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-5	3/13/2002	--	33.99	--	--	11.46	--	22.53	530	<2.5	<2.5	<2.5	<2.5	230	--	--
	6/28/2002	--	33.99	--	--	11.75	--	22.24	180 b	<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	--	--
	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**
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	--	32.79	--	--	10.30	--	22.49	150 b	<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	--	--
	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**
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	--	--
	6/30/2003	--	32.11	--	--	9.64 i	--	22.47	--	--	--	--	--	--	--	--
	9/15/2003	--	32.11	--	--	10.12	--	21.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	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	**--**	**34.00**	**--**	**--**	**9.88**	**--**	**24.12**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-10	3/13/2002	--	31.67	--	--	9.68	--	21.99	680	<5.0	<5.0	<5.0	<5.0	570	--	--
	6/28/2002	--	31.67	--	--	9.84	--	21.83	820 b	<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	--	--

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Well Elevation TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-10	6/30/2003	--	31.67	--	--	9.75	--	21.92	<1,000	<10	<10	<10	<10	750	--	--
	9/15/2003	--	31.67	--	--	10.17	--	21.50	<500	<5.0	<5.0	<5.0	<5.0	430	--	--
	03/10/2004	P	33.50	--	--	8.57	--	24.93	420	<2.5	<2.5	<2.5	<2.5	140	1.2	6.5
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	--	--
	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
MW-14	3/13/2002	--	30.46	--	--	8.56	--	21.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	30.46	--	--	9.12	--	21.34	--	--	--	--	--	--	--	--
	9/20/2002	--	30.46	--	--	9.79	--	20.67	--	--	--	--	--	--	--	--
	12/30/2002	--	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	--	30.46	--	--	9.05	--	21.41	--	--	--	--	--	--	--	--
	9/15/2003	--	30.46	--	--	9.47	--	20.99	--	--	--	--	--	--	--	--
	03/10/2004	--	32.61	--	--	7.90	--	24.71	--	--	--	--	--	--	--	--
	06/10/2004	--	**32.61**	--	--	**9.25**	--	**23.36**	--	--	--	--	--	--	--	--
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	--	--
	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**
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	--	--

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Well Elevation TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-16	12/30/2002	--	31.39	--	--	k	--	--	--	--	--	--	--	--	--	--
	3/27/2003	--	31.39	--	--	10.28	--	21.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	31.39	--	--	10.87 i	--	20.52	--	--	--	--	--	--	--	--
	9/15/2003	--	31.39	--	--	11.25	--	20.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	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**	--	--	--	--	--	--	--	--
MW-18	3/13/2002	--	29.7	--	--	9.46	--	20.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	29.7	--	--	10.05	--	19.65	--	--	--	--	--	--	--	--
	9/20/2002	--	29.7	--	--	10.67	--	19.03	--	--	--	--	--	--	--	--
	12/30/2002	--	29.7	--	--	7.98	--	21.72	--	--	--	--	--	--	--	--
	3/27/2003	--	29.7	--	--	9.18	--	20.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	29.7	--	--	9.68	--	20.02	--	--	--	--	--	--	--	--
	9/15/2003	--	29.7	--	--	10.30	--	19.40	--	--	--	--	--	--	--	--
	03/10/2004	--	31.87	--	--	8.78	--	23.09	--	--	--	--	--	--	--	--
	06/10/2004	--	**31.87**	--	--	**10.12**	--	**21.75**	--	--	--	--	--	--	--	--
MW-21	3/13/2002	--	28.72	--	--	9.40	--	19.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	6/28/2002	--	28.72	--	--	9.80	--	18.92	--	--	--	--	--	--	--	--
	9/20/2002	--	28.72	--	--	10.27	--	18.45	--	--	--	--	--	--	--	--
	12/30/2002	--	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	--	28.72	--	--	9.48	--	19.24	--	--	--	--	--	--	--	--
	9/15/2003	--	28.72	--	--	10.06	--	18.66	--	--	--	--	--	--	--	--
	03/10/2004	--	30.67	--	--	8.60	--	22.07	--	--	--	--	--	--	--	--
	06/10/2004	--	**30.67**	--	--	**9.85**	--	**20.82**	--	--	--	--	--	--	--	--
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	--	29.29	--	--	10.20 i	--	19.09	--	--	--	--	--	--	--	--
	9/15/2003	--	29.29	--	--	10.81	--	18.48	<500	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	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

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Well Elevation TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-22	**06/10/2004**	--	**31.43**	--	--	**10.60**	--	**20.83**	--	--	--	--	--	--	--	--
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	--	30.99	--	--	11.59	--	19.40	--	--	--	--	--	--	--	--
	9/20/2002	--	30.99	--	--	12.00	--	18.99	--	--	--	--	--	--	--	--
	12/30/2002	--	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	--	30.99	--	--	11.47	--	19.52	--	--	--	--	--	--	--	--
	9/15/2003	--	30.99	--	--	11.84	--	19.15	--	--	--	--	--	--	--	--
	03/10/2004	--	33.16	--	--	10.24	--	22.92	--	--	--	--	--	--	--	--
	06/10/2004	--	**33.16**	--	--	**11.60**	--	**21.56**	--	--	--	--	--	--	--	--
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	--	33.81	--	--	9.33	--	24.48	95 d	13	<0.50	<0.50	<0.50	98 f	--	--
	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	--	--
	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**
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	--	33.71	--	--	11.70	--	22.01	--	--	--	--	--	--	--	--
	9/20/2002	--	33.71	--	--	12.10	--	21.61	--	--	--	--	--	--	--	--
	12/30/2002	--	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	--	33.71	--	--	11.61	--	22.10	--	--	--	--	--	--	--	--
	9/15/2003	--	33.71	--	--	12.01	--	21.70	--	--	--	--	--	--	--	--
	03/10/2004	--	35.70	--	--	10.45	--	25.25	--	--	--	--	--	--	--	--
	06/10/2004	--	**35.70**	--	--	**11.82**	--	**23.88**	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

Abbreviations:
GRO = Gasoline range organics (changed from C6-C10 carbon range to C4-C12 carbon range in 2Q 2004)
TPH-g = Total petroleum hydrocarbons as gasoline
MtBE = Methyl tertiary butyl ether
ug/L = Micrograms per liter
mg/L = Milligrams per liter
ppm = Parts per million
P = Purged
NP =Not Purged
MSL = Mean sea level
TOC = Top of casing
DO = Dissolved Oxygen reading, field measurement
pH = pH reading, field measurement
GWE = Groundwater elevation
DTW = Depth to water
ft bgs = feet below ground surface
< = Not detected at or above specified laboratory method detection limit

Notes:
a = Well elevation data obtained from Quarterly Groundwater Monitoring and Site Status Report, Fourth Quarter 1994
b = Chromatogram Pattern: Unidentified Hydrocarbons C6-C10
c = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
d = 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 depth to water.
h = Groundwater extraction system not pumping.
i = Sampling frequency changed from quarterly to annually per recommendations in first quarter 2003 groundwater monitoring report.
j = MtBE confirmed by EPA Method 8260B (Method 8260B result in parentheses.)
k = Well not accessible this quarter.

Site surveyed to NAVD'88 datum on March 2, 2004.
Source: The data within this table collected prior to June 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Additives Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
17372 VM	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
	06/10/2004	**<100**	**<20**	**<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	NA	NA
	6/30/2003	<100	<20	--	<0.50	<0.50	<0.50	<0.50	<0.50
E-1A	3/27/2003	<100	<20	--	<0.50	<0.50	2.3	NA	NA
	6/30/2003	<100	<20	--	<0.50	<0.50	1.6	<0.50	<0.50
	9/15/2003	<100	<20	--	<0.50	<0.50	2.4	<0.50	<0.50
	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**
MW-5	3/27/2003	<100	24	59	<0.50	<0.50	2.2	NA	NA
	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	NA	NA
	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**
MW-8	3/27/2003	<100	<20	33	<0.50	<0.50	0.53	NA	NA
	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	NA	NA
	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**
MW-9	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA
	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
MW-10	3/27/2003	<1,000	<200	330	<5.0	<5.0	15	NA	NA
	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
	03/10/2004	<500	120	140	<2.5	<2.5	<2.5	<2.5	<2.5
MW-11	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA
	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
	03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Table 2

Fuel Additives Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-14	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-15	3/27/2003	<100	<20	17	<0.50	<0.50	<0.50	NA	NA
	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
	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**
MW-16	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA
	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
MW-18	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-21	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-22	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA
	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
MW-23	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA
MW-25	3/27/2003	<100	<20	90	<0.50	<0.50	40	NA	NA
	6/30/2003	<1,000	<200	130	<5.0	<5.0	81	<5.0	<5.0
	9/15/2003	<200	<40	140	<1.0	<1.0	71	<1.0	<1.0
	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**
MW-26	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	NA	NA

Table 2

Fuel Additives Analytical Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., San Lorenzo, CA

All fuel oxygenate compounds analyzed using EPA Method 8260B
Abbreviations:
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
NA = Not analyzed
< = Not detected above laboratory reporting limits.
ug/L = micrograms per liter

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

Table 3

Groundwater Gradient Data

Atlantic Richfield Company Service Station No.608
17601 Hesperian Blvd., 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**

Source : The data within this table collected prior to September 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 4

Groundwater Sampling Schedule

Atlantic Richfield Company Service Station #0608

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	X	X	Quarterly
MW-7	----------Removed from Program----------				
MW-8	X	X	X	X	Quarterly
MW-9	X		X		Semiannually (1st and 3rd Quarter)
MW-10	X	X	X	X	Quarterly
MW-11	X	X	X	X	Quarterly
E-1A	X	X	X	X	Quarterly
MW-13	----------Removed from Program----------				
MW-14			X		Annually (3rd Quarter)
MW-15	X	X	X	X	Quarterly
MW-16	X		X		Semiannually (1st and 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		X		Semiannually (1st and 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 Funtional, Well Not In Use----------				
642H	X	X	X	X	Quarterly
675H	----------Pump Not Funtional, Well Not In Use----------				
17197 VM	----------Destroyed----------				
17200 VM	----------Destroyed----------				
17203 VM	----------Pump Not Funtional, Well Not In Use----------				
17302 VM	----------Pump Not Funtional, Well Not In Use----------				
17348 VE	----------Pump Not Funtional, Well Not In Use----------				
17349 VM	----------Destroyed----------				
17371 VM	----------Pump Not Funtional, Well Not In Use----------				
17372 VM	X	X	X	X	Quarterly
17393 VM	----------Destroyed----------				

Notes:

1. Beginning first quarter 2003, samples analyzed for TPH-g, BTEX compounds, and MTBE by EPA Method 8260B. Fuel oxygenates were also added to the analyte list at this time.

2. Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPH-g) has been changed to Gasoline Range Organics (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 5

Groundwater Extraction System Performance Data

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Influent Sample Date	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	GRO/TPH-g Influent Concentration (µg/L)	GRO/TPH-g Net Removed (pounds)	GRO/TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MtBE Influent Concentration (µg/L)	MtBE Net Removed (pounds)	MtBE Removed To Date (pounds)	Primary MtBE Carbon Loading (%)
09/25/91	0	N/A	0	0	0.0	ND	N/A	0.00	N/A	0.000	0.00	N/A	N/A	N/A	0.0
09/26/91	N/A	N/A	1,144	1,144	N/A	38	0.00	0.00	4.8	0.000	0.00	N/A	N/A	N/A	0.0
10/22/91	26	95.9	12,844	11,700	7.6	ND	N/A	0.00	ND	0.000	0.00	N/A	N/A	N/A	0.0
11/22/91	77	93.1	52,532	39,688	13.0	ND	N/A	0.00	0.5	0.000	0.00	N/A	N/A	N/A	0.0
12/19/91	322	62.1	122,540	70,008	4.8	ND	N/A	0.00	ND	0.000	0.00	N/A	N/A	N/A	0.0
01/16/92	994	0.0	283,289	160,749	4.0	ND	N/A	0.00	ND	0.000	0.00	N/A	N/A	N/A	0.0
02/19/92	1,809	0.2	485,200	201,911	4.1	370	0.31	0.31	14.0	0.012	0.01	N/A	N/A	N/A	0.4
03/17/92	2,462	0.0	662,847	177,647	4.5	160	0.39	0.70	18.0	0.024	0.04	N/A	N/A	N/A	0.9
04/15/92	3,150	1.1	851,100	188,253	4.6	200	0.28	0.99	11.0	0.023	0.06	N/A	N/A	N/A	1.2
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	N/A	N/A	N/A	1.5
06/19/92	4,712	0.1	1,229,960	199,874	3.9	ND	N/A	1.17	ND	0.001	0.07	N/A	N/A	N/A	1.5
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	N/A	N/A	N/A	1.5
08/18/92	N/A	N/A	1,410,018	118,817	N/A	ND	N/A	1.19	ND	0.012	0.09	N/A	N/A	N/A	1.5
09/15/92	6,298	N/A	1,535,640	125,622	3.1	ND	N/A	1.19	ND	0.000	0.09	N/A	N/A	N/A	1.5
10/16/92	7,012	4.1	1,651,623	115,983	2.7	ND	N/A	1.19	ND	0.000	0.09	N/A	N/A	N/A	1.5
11/18/92	7,809	0.0	1,768,076	116,453	2.4	ND	N/A	1.19	ND	0.000	0.09	N/A	N/A	N/A	1.5
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	N/A	N/A	N/A	1.5
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	N/A	N/A	N/A	1.6
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	N/A	N/A	N/A	2.1
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	N/A	N/A	N/A	2.6
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	N/A	N/A	N/A	2.8
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	N/A	N/A	N/A	3.3
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	N/A	N/A	N/A	3.7
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	N/A	N/A	N/A	4.0
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	N/A	N/A	N/A	4.1
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	N/A	N/A	N/A	4.3
10/08/93	14,485	0.5	2,951,737	67,001	1.9	ND	0.02	3.43	ND	0.001	0.24	N/A	N/A	N/A	4.3
11/19/93	15,494	0.0	3,036,032	84,295	1.4	ND	0.00	3.43	ND	0.000	0.24	N/A	N/A	N/A	4.3
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	N/A	N/A	N/A	4.3
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	N/A	N/A	N/A	4.4
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	N/A	N/A	N/A	4.4
03/15/94	18,235	7.5	3,344,249	70,529	2.0	ND	0.00	3.51	ND	0.001	0.24	N/A	N/A	N/A	4.4
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	N/A	N/A	N/A	4.4
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	N/A	N/A	N/A	4.5
06/14/94	19,680	57.1	3,518,608 a	39,698	2.0	230	0.08	3.71	12.0	0.003	0.25	N/A	N/A	N/A	4.6

Table 5

Groundwater Extraction System Performance Data

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Influent Sample Date	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	GRO/TPH-g Influent Concentration (µg/L)	GRO/TPH-g Net Removed (pounds)	GRO/TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MtBE Influent Concentration (µg/L)	MtBE Net Removed (pounds)	MtBE Removed To Date (pounds)	Primary MtBE Carbon Loading (%)
07/14/94	20,145	35.4	3,574,408 b	55,800	2.0	270	0.12	3.83	6.9	0.004	0.26	N/A	N/A	N/A	4.8
08/17/94	20,920	5.0	51,260 c	91,580 c	2.0	ND	0.10	3.93	1.8	0.003	0.26	N/A	N/A	N/A	4.9
09/12/94	21,549	0.0	120,910	69,650	1.8	ND	0.00	3.93	ND	0.001	0.26	N/A	N/A	N/A	4.9
10/18/94	22,408	0.5	211,880	90,970	1.8	ND	0.00	3.93	ND	0.000	0.26	N/A	N/A	N/A	4.9
11/15/94	23,080	0.0	280,840	68,960	1.7	ND	0.00	3.93	0.7	0.000	0.26	N/A	N/A	N/A	4.9
12/05/94	23,489	14.8	325,830	44,990	1.8	470	0.09	4.02	32.0	0.006	0.27	N/A	N/A	N/A	5.0
01/04/95	24,205	0.6	408,740	82,910	1.9	ND	0.16	4.18	1.1	0.011	0.28	N/A	N/A	N/A	5.2
02/06/95	24,926	9.0	499,690	90,950	2.1	100	0.04	4.22	2.4	0.001	0.28	N/A	N/A	N/A	5.3
03/02/95	25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28	N/A	N/A	N/A	5.3
04/04/95	26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28	N/A	N/A	N/A	5.5
05/02/95	26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29	N/A	N/A	N/A	5.7
06/05/95	27,721	2.4	848,810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29	N/A	N/A	N/A	5.8 f
07/06/95	28,464	0.1	921,260	72,450	1.6	270	0.08	4.74	2.4	0.001	0.29	N/A	N/A	N/A	N/A g
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	N/A	N/A	N/A	N/A g
06/05/00 e	29,592	N/A	976,600	N/A	N/A	700	N/A	4.89	7.2	N/A	0.29	361.0	N/A	0.00	N/A g
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	0.0	0.01	N/A g
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	0.4	0.41	N/A g
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	0.2	0.57	N/A g
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	0.1	0.65	N/A g
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	0.0	0.69	N/A g
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	0.0	0.73	N/A g
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	0.1	0.79	N/A g
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	0.0	0.83	N/A g
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	0.1	0.88	N/A g
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	0.0	0.90	N/A g
03/24/01	35,088	18.7	1,741,170	42,310	2.3	NS †	0.07	6.20	NS †	0.000	0.31	NS †	0.0	0.93	N/A g
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	0.0	0.95	N/A g
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	0.0	0.98	N/A g
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	0.0	1.03	N/A g
07/05/01 h	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430.0	0.0	1.07	N/A g
08/14/01 h	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0.000	0.31	870.0	0.2	1.24	N/A g
09/05/01	37,219	24.8	1,977,050	48,540	2.0	ND(100)	0.06	6.42	ND(1.0)	0.000	0.31	340.0	0.2	1.48	N/A g
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	0.1	1.61	N/A g
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	0.1	1.69	N/A g
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	0.0	1.74	N/A g
01/04/02	40,063	0.0	2,248,700	62,170	1.8	ND(50)	0.02	6.46	ND	0.000	0.31	140.0	0.1	1.80	N/A g
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	0.1	1.91	N/A g

Table 5

Groundwater Extraction System Performance Data
Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Influent Sample Date	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	GRO/TPH-g Influent Concentration (µg/L)	GRO/TPH-g Net Removed (pounds)	GRO/TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MtBE Influent Concentration (µg/L)	MtBE Net Removed (pounds)	MtBE Removed To Date (pounds)	Primary MtBE Carbon Loading (%)	
03/05/02	40,968	79.4	2,353,460	20,370	2.5	150	0.02	6.51	ND(1.2)	0.000	0.31	350.0	0.0	1.96	N/A	g
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	0.2	2.20	N/A	g
05/16/02	42,642	0.6	2,499,320	50,960	0.9	310	0.15	6.88	ND(1.0)	0.002	0.31	330.0	0.1	2.33	N/A	g
05/31/02	42,832	47.2	2,503,380	4,060	0.4	NS	0.00	6.88	NS	0.000	0.31	NS	0.0	2.33	N/A	g
08/19/02	44,925	i	2,520,289	16,909	0.1	NS	0.00	6.88	NS	0.000	0.31	NS	0.0	2.33	N/A	g
10/03/02	44,956	i	2,520,582	293	0.2	NS	0.00	6.88	NS	0.000	0.31	NS	0.0	2.33	N/A	g
10/07/02	44,956	i	2,522,394	1,812	N/A	160	0.00	6.89	ND(1.0)	0.000	0.31	130.0	0.0	2.33	N/A	g
11/07/02	0	j	2,527,925	5,531	N/A	250	0.01	6.89	ND(1.0)	0.000	0.31	210.0	0.0	2.34	N/A	g
12/05/02	479	28.7	2,528,113	188	0.0	220	0.00	6.89	ND(1.0)	0.000	0.31	110.0	0.0	2.34	N/A	g
01/03/03	1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	ND(1.0)	0.000	0.31	140.0	0.1	2.40	N/A	g
02/13/03	2,156	0.2	2,692,710	101,351	1.7	ND(250)	0.07	7.07	ND(2.5)	0.000	0.31	66.0	0.1	2.49	N/A	g
03/27/03	3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	ND(0.50)	0.000	0.31	71.0	0.1	2.55	N/A	g
04/24/03	4,172	0.0	2,865,050	74,382	1.2	120	0.07	7.19	ND(0.50)	0.000	0.31	56.0	0.0	2.59	N/A	g
05/30/03	4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	ND(5.0)	0.000	0.31	ND(50)	0.0	2.59	N/A	g
06/19/03	4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	ND(5.0)	0.000	0.31	46.0	0.0	2.59	N/A	g
07/24/03	5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	ND(0.50)	0.000	0.31	41.0	0.1	2.68	N/A	g
08/28/03	6,165	0.8	3,040,900	68,538	1.4	ND(50)	0.01	7.39	ND(0.50)	0.000	0.31	30.0	0.0	2.70	N/A	g
09/25/03	6,838	0.0	3,095,020	54,120	1.3	ND(50)	0.00	7.39	ND(0.50)	0.000	0.31	28.0	0.0	2.71	N/A	g
10/23/03	7,512	0.0	3,149,200	177,215	1.1	ND(50)	0.00	7.39	ND(0.50)	0.000	0.31	28.0	0.0	2.75	N/A	g
11/20/03	8,182	0.3	3,204,612	55,412	1.4	ND(50)	0.00	7.39	ND(0.50)	0.000	0.31	22.0	0.0	2.76	N/A	g
12/18/03	8,851	1.1	3,264,487	30,531	1.5	52	0.01	7.40	ND(0.50)	0.000	0.31	27.0	0.0	2.77	N/A	g
01/08/04	9,356	1.0	3,312,485	47,998	1.6	--	0.00	7.40	--	0.000	0.31	--	0.0	2.77	N/A	g
01/22/04	9,690	0.7	3,344,994	32,509	1.6	ND(50)	0.00	7.40	ND(0.50)	0.000	0.31	27.0	0.0	2.77	N/A	g
02/19/04	10,357	1.6	3,410,457	32,947	1.7	ND(50)	0.00	7.40	ND(0.50)	0.000	0.31	25.0	0.0	2.78	N/A	g
03/18/04	11,030	0.0	3,480,800	70,343	1.7	ND(50)	0.00	7.40	ND(0.50)	0.000	0.31	27.0	0.0	2.80	N/A	g

Table 5

Groundwater Extraction System Performance Data

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Influent Sample Date	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	GRO/TPH-g Influent Concentration (µg/L)	GRO/TPH-g Net Removed (pounds)	GRO/TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MtBE Influent Concentration (µg/L)	MtBE Net Removed (pounds)	MtBE Removed To Date (pounds)	Primary MtBE Carbon Loading (%)
04/07/04	11,509	0.2	3,524,179	43,379	1.5	ND(50)	0.00	7.40	ND(0.50)	0.000	0.31	25.0	0.0	2.81	N/A g
04/22/04	11,869	0.0	3,552,144	27,965	1.3	ND(50)	0.00	7.40	ND(0.50)	0.000	0.31	19.0	0.0	2.81	N/A g
05/19/04	12,522	0.0	3,607,015	54,871	1.4	ND(50)	0.00	7.40	ND(0.50)	0.000	0.31	19.0	0.0	2.82	N/A g
06/16/04	13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	ND(0.50)	0.000	0.31	20.0	0.0	2.83	N/A g
REPORTING PERIOD:				**03/18/04 to 06/16/04**											
TOTAL GALLONS EXTRACTED:				**7,600,394**											
PERIOD GALLONS EXTRACTED:				**183,794**											
TOTAL POUNDS REMOVED:								**7.41**			**0.31**			**2.83**	
TOTAL GALLONS REMOVED:								**1.22**			**0.04**			**0.46**	
AVERAGE PERIOD FLOW RATE (gpm):					**1.41**										
PERIOD PERCENT OPERATIONAL:					**100%**										
PERIOD POUNDS REMOVED:								**0.015**			**0.000**			**0.033**	
PERIOD GALLONS REMOVED:								**0.002**			**0.000**			**0.005**	

Table 5
Groundwater Extraction System Performance Data
Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

TPH-g = Total purgeable petroleum hydrocarbons as gasoline
GRO = Gsoline range organics, C6 to C10 range
gpm = Gallons per minute
µg/L = Micrograms per liter
N/A = Not available or not applicable
ND = Not detected above detection limit
NS = Not sampled
† = Assume same concentration as prior sampling event
-- = Not sampled/ analyzed
Densities: Gasoline = 6.1 lbs/gallon; Benzene = 7.34 lbs/gallon; MTBE =6.18 lbs/gallond (MTBE not quantified prior to 6/5/00
6.18 lbs/gallon (MTBE not quantified prior to 6/5/00)

Notes:
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. Prior to June 5, 2000 primary carbon loading for benzene estimated using isotherm of 8 percent by weight.
g. Cannot predict Primary carbon MtBE loading because MtBE wasn't tracked prior to 6/5/00.
h. System down during construction to main sewer line from approx. 6/25/01; restarted 8/14/01.
i. Hour meter reading not functioning.
j. Hour meter replaced.

Equations: Net Dissolved Concentration Removed [pounds] = Average influent concentration, [ug/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 ARCO and their previous consultants. URS has not verified the accuracy of this information.

Beginning Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPH-g) has been changed to Gasoline Range Organics (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 6

Treatment System Analytical Data
Total Petroleum Hydrocarbons
(GRO/TPH-g and BTEX Compounds)

Atlantic Richfield Company Service Station #0608
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	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
11/22/91	ND<30	0.52	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	370	14	0.34	14	2.4	NS	NS	NS	NA	NA
03/17/92	160	18	0.32	0.56	1.6	NS	NS	NS	NA	NA
04/15/92	200	11	ND<0.3	7.3	0.77	NS	NS	NS	NA	NA
05/14/92	45	1.4	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	97	25	ND<0.5	8.5	ND<0.5	NS	NS	NS	NA	NA
08/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/15/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/16/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/17/92	96	7.7	13	0.56	9.7	NS	NS	NS	NA	NA
01/18/93	100	13	6.6	1.1	11	NS	NS	NS	NA	NA
02/22/93	480	36	29	4.9	96	NS	NS	NS	NA	NA
03/15/93	310	29	14	4.9	55	NS	NS	NS	NA	NA
04/09/93	140	11	2.8	2.6	17	NS	NS	NS	NA	NA
05/13/93	530	27	12	18	96	NS	NS	NS	NA	NA
06/04/93	170	5.2	1.6	2.5	23	NS	NS	NS	NA	NA
07/20/93	200	12	0.91	8.2	29	NS	NS	NS	NA	NA
08/16/93	150	4.9	0.63	2.9	15	NS	NS	NS	NA	NA
09/13/93	80	2.2	ND<0.5	ND<0.5	4.8	NS	NS	NS	NA	NA
10/08/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/19/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/21/93	73	3.5	ND<0.5	1.9	8.4	NS	NS	NS	NA	NA
01/18/94	60	3.1	ND<0.5	3.2	4.3	NS	NS	NS	NA	NA
02/17/94	ND<50	2.5	ND<0.5	2.1	3.1	NS	NS	NS	NA	NA
03/15/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/21/94	110	7.8	ND<1.0	9.6	ND<1.0	NS	NS	NS	NA	NA
05/13/94	230	8.3	ND<0.5	14	6	NS	NS	NS	NA	NA
06/14/94	230	12	ND<0.5	16	1.5	NS	NS	NS	NA	NA
07/14/94	270	6.9	ND<0.5	15	1.9	NS	NS	NS	NA	NA
08/18/94	ND<50	1.8	ND<0.5	1.5	ND<0.5	NS	NS	NS	NA	NA
09/12/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/05/94	ND<50	0.66	ND<0.5	2.6	ND<0.5	NS	NS	NS	NA	NA
12/05/94	470	32	0.59	29	6.2	NS	NS	NS	NA	NA
01/04/95	ND<50	1.1	ND<0.50	1.4	ND<0.50	NS	NS	NS	NA	NA
02/06/95	100	2.4	1.1	1.2	2.8	NS	NS	NS	NA	NA
03/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
04/04/95	290	6.6	ND<0.50	10	1.7	NS	NS	NS	NA	NA
05/02/95	240	7.1	ND<0.50	3.2	1.6	NS	NS	NS	NA	NA
06/05/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
07/06/95	270	2.4	ND<0.50	7.6	1	NS	NS	NS	NA	NA
08/21/95	230	1.8	ND<0.50	1.6	0.92	NS	NS	NS	NA	NA

Table 6
Treatment System Analytical Data
Total Petroleum Hydrocarbons
(GRO/TPH-g and BTEX Compounds)

Atlantic Richfield Company Service Station #0608
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) (cont.)										
06/05/00	700	7.24	ND<1.00	2.11	ND<1.00	361	NS	NS	NA	NA
07/08/00	133	5.09	0.598	ND<0.500	ND<0.500	272	NS	NS	NA	NA
08/10/00	144	2.8	ND<0.500	1.04	ND<0.500	126	NS	NS	NA	NA
09/08/00	261	2.74	0.826	0.626	ND<0.500	120	NS	NS	NA	NA
10/10/00	114	ND<0.500	1.68	0.843	ND<0.500	ND<2.50	NS	NS	NA	NA
11/07/00	128	ND<0.500	ND<0.500	ND<0.500	ND<0.500	98.6	NS	NS	NA	NA
12/05/00	167	0.775	ND<0.500	ND<0.500	ND<0.500	104	NS	NS	NA	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	86.8	NS	NS	NA	NA
02/06/01	203	0.572	ND<0.500	0.513	ND<0.500	80.5	NS	NS	NA	NA
03/08/01	219	ND<0.500	6.16	1.21	0.682	81	NS	NS	NA	NA
04/18/01	74.5	ND<0.500	ND<0.500	ND<0.500	ND<0.500	97.5	NS	NS	NA	NA
05/04/01	63.3	ND<0.500	ND<0.500	ND<0.500	ND<0.500	93.2	NS	NS	NA	NA
06/09/01	64	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
07/05/01	100	ND<0.50	2.5	ND<0.50	ND<0.50	430	NS	NS	NA	NA
08/14/01	290	2.2	3.5	ND<1.0	ND<1.0	870	NS	NS	NA	NA
09/05/01	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	340	NS	NS	NA	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	NS	NS	NA	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	92	NS	NS	NA	NA
12/11/01	65	ND<0.50	0.58	ND<0.50	ND<0.50	83	NS	NS	NA	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	NS	NS	NA	NA
02/05/02	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	190	NS	NS	NA	NA
03/05/02	150	ND<1.2	ND<1.2	ND<1.2	ND<1.2	350	NS	NS	NA	NA
04/08/02	400	9.6	ND<1.0	1.4	ND<1.0	260	NS	NS	NA	NA
05/16/02	310	ND<1.0	ND<1.0	ND<1.0	ND<1.0	330	NS	NS	NA	NA
10/07/02	160	4.1	ND<1.0	ND<1.0	ND<1.0	130	NS	NS	NA	NA
11/07/02	250	ND<0.50	10	0.7	0.77	210	NS	NS	NA	NA
12/05/02	220	ND<1.0	ND<1.0	ND<1.0	ND<1.0	110	NS	NS	NA	NA
01/03/03	170	ND<1.0	ND<1.0	ND<1.0	ND<1.0	140	NS	NS	NA	NA
2/13/03[1]	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	66	NS	NS	NA	NA
3/27/03[1]	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
4/24/03[1]	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	56	NS	NS	NA	NA
5/30/03[1]	20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<50	NS	NS	NA	NA
06/19/03	160	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	NS	NS	NA	NA
07/24/03	51	ND<0.50	ND<0.50	ND<0.50	ND<0.50	41 (47)[2]	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30 (40)[2]	NS	NS	NA	NA
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	28	NS	NS	NA	NA
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	28 (28)[2]	NS	NS	NA	NA
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	22	NS	NS	NA	NA
12/18/03	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	27	NS	NS	NA	NA
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	27	NS	NS	NA	NA
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	25	NS	NS	NA	NA
03/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	27	NS	NS	NA	NA
04/07/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	25	NS	NS	NA	NA
04/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	19	NS	NS	NA	NA
05/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	19	NS	NS	NA	NA
06/16/04	**63**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**20**	**NS**	**NS**	**NA**	**NA**

Table 6

Treatment System Analytical Data
Total Petroleum Hydrocarbons
(GRO/TPH-g and BTEX Compounds)

Atlantic Richfield Company Service Station #0608
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	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
03/17/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
04/15/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
05/14/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
08/18/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
09/15/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
10/16/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
11/18/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
12/17/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
01/18/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
02/22/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
03/15/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
04/09/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
05/13/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
06/04/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
07/14/94	ND	ND	ND	ND	ND	NS	NS	NS	NA	NA
08/17/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
09/12/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
10/18/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
11/05/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
12/05/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
01/04/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
02/06/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
03/02/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
06/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
07/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
08/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	NS	NS	NA	NA
09/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA

Table 6

Treatment System Analytical Data
Total Petroleum Hydrocarbons
(GRO/TPH-g and BTEX Compounds)

Atlantic Richfield Company Service Station #0608
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 (cont.)										
10/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
11/07/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
12/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
02/06/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
03/08/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
04/18/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
05/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
06/09/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
07/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/14/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.3	NS	NS	NA	NA
12/11/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7	NS	NS	NA	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9	NS	NS	NA	NA
02/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	26	NS	NS	NA	NA
03/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	NS	NS	NA	NA
04/08/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	39	NS	NS	NA	NA
05/16/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	58	NS	NS	NA	NA
10/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	55	NS	NS	NA	NA
11/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	100	NS	NS	NA	NA
12/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	51	NS	NS	NA	NA
01/03/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	66	NS	NS	NA	NA
2/13/03[1]	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	130	NS	NS	NA	NA
3/27/03[1]	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	120	NS	NS	NA	NA
4/24/03[1]	280	ND<2.5	ND<2.5	ND<2.5	ND<2.5	110	NS	NS	NA	NA
5/30/03[1]	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	140	NS	NS	NA	NA
06/19/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	NS	NS	NA	NA
07/24/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5 (1.3)[2]	NS	NS	NA	NA
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.1	NS	NS	NA	NA
12/18/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.2	NS	NS	NA	NA
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.3	NS	NS	NA	NA
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.2	NS	NS	NA	NA
03/18/04	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.4	NS	NS	NA	NA
04/07/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.5	NS	NS	NA	NA
04/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.3	NS	NS	NA	NA
05/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.0	NS	NS	NA	NA
06/16/04	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**1.8**	**NS**	**NS**	**NA**	**NA**

Table 6

Treatment System Analytical Data
Total Petroleum Hydrocarbons
(GRO/TPH-g and BTEX Compounds)

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons)										
06/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
07/08/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
09/08/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
10/10/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
11/07/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
12/05/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
02/06/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
03/08/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
04/18/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
05/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
06/09/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
07/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/14/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
12/11/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
02/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
03/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
04/08/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.7	NS	NS	NA	NA
05/16/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
12/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
01/03/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
2/13/03[1]	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1	NS	NS	NA	NA
3/27/03[1]	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.94	NS	NS	NA	NA
4/24/03[1]	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.95	NS	NS	NA	NA
5/30/03[1]	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	NS	NS	NA	NA
06/19/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
07/24/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5 (<0.5)[2]	NS	NS	NA	NA
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
12/18/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
03/18/04	86	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
04/07/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
04/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
05/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
06/16/04	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**ND<0.50**	**NS**	**NS**	**NA**	**NA**

Table 6

Treatment System Analytical Data
Total Petroleum Hydrocarbons
(GRO/TPH-g and BTEX Compounds)

Atlantic Richfield Company Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer)										
09/26/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
11/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
03/17/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
04/15/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
05/14/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/15/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/16/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/17/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/18/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
02/22/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
03/15/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/09/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
05/13/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
06/04/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
07/20/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/16/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/13/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/08/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/19/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/21/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
02/17/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
03/15/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/21/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
05/13/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
06/14/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
07/14/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/17/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA

Table 6

Treatment System Analytical Data
Total Petroleum Hydrocarbons
(GRO/TPH-g and BTEX Compounds)

Atlantic Richfield Company Service Station #0608
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) (cont.)										
09/12/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/05/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/05/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/04/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
02/06/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
03/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
04/04/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
05/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
06/05/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
07/06/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
08/21/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
06/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	7.19	NA
06/12/00	ND<50.0	NS	NS	NS	NS	NS	NS	NS	NA	NA
07/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	32.1	ND<10.0	7.08	NA
08/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	23.4	ND<10.0	6.67	NA
09/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	29.2	ND<10.0	6.82	NA
10/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.25	NA
11/07/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.24	NA
12/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	44	ND<10.0	7.48	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.00	NA
02/06/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	10.7	7.03	NA
03/08/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.04	NA
04/18/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	28.5	ND<10.0	7.06	NA
05/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.31	NA
06/09/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	34	ND<10	7.05	NA
07/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.10	NA
08/14/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	14	7.09	NA
09/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	70	ND<10	7.07	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	55	ND<10	6.89	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	150	ND<10	6.98	NA
12/11/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	34	ND<10	7.01	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	52	ND<10	7.22	NA
02/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.91	NA
03/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.77	NA
04/08/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.52	NA
05/16/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.60	NA
10/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	0.74	ND<2.5	ND<30	ND<10	7.80	NA
12/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<30	ND<10	7.40	0.27
01/03/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<30	ND<10	7.50	NA
2/13/03[1]	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	7.15	0.12
3/27/03[1]	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	32	ND<10	7.50	0.08
4/24/03[1]	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	6.95	10.23
5/30/03[1]	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	6.95	NA
06/19/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.02	9.75
07/24/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.07	3.00
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.03	2.12

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Treatment System Analytical Data
Total Petroleum Hydrocarbons
(GRO/TPH-g and BTEX Compounds)

Atlantic Richfield Company Service Station #0608
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) (cont.)										
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.79	2.70
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5 (<0.5)[2]	ND<20	ND<10	6.82	3.45
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	ND<10	6.94	0.84
12/18/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.01	0.94
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.12	0.85
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	10	6.57	3.82
03/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.08	0.97
04/07/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
04/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	27	ND<10	6.69	1.64
05/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	20	13	6.50	1.40
06/16/04	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**ND<0.50**	**ND<20**	**ND<10**	**6.79**	**0.75**

Abbreviations:

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
NA	=Not applicable or not available
ND<	=Not detected above the laboratory reporting limit.
NS	=Not sampled
TPH-g	=Total purgeable petroleum hydrocarbons as gasoline
TSS	=Total suspended solids

Notes:

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

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 Group Environmental Management Company 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. Total Petroleum Hydrocarbons as Gasoline (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 re in higher concentrations being reported.

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 040610-DA1 Date 6/10/04 Client Arco # 608

Site 17601 Hesperian Blvd. San Lorenzo, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-5	4					11.65	13.62	TOC	
MW-8	3					10.40	20.97		
MW-9	3					9.88	18.26		G
MW-10	3					9.95	22.55		
MW-11	3					10.82	18.83		
E-1A (MW-12)	6		Gauged w/pump in well			16.67	—		
MW-14	3					9.25	23.05		G
MW-15	3					10.50	23.25		
MW-16	3					11.06	23.11		G
MW-18	3					10.12	21.51		G
MW-21	3					9.85	21.96		G
MW-22	3					10.60	21.55		G
MW-23	3					11.60	21.71		G
MW-25	2					11.40	18.55		
MW-26	2					11.82	19.45		G
642H	—	Homeowner not home				—	—		
17372VM	—	No ganging port				—	—		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco 0608
Sampler: DA	Date: 6/10/04
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 13.62	Depth to Water: 11.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / x Disposable Bailer / Positive Air Displacement / xElectric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / x Disposable Bailer / Extraction Port / Other: ___

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1237	66.0	7.0	907	1.5	tan, cloudy
1239	66.8	7.0	899	3	"
1241	67.2	7.0	897	4	"

Did well dewater? Yes (No)		Gallons actually evacuated: 4	
Sampling Time: 1244		Sampling Date: 6/10/04	
Sample I.D.: MW-5		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (GRO) BTEX (MTBE) DRO		Other: MS/MSD	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge: 1.3	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco 0608
Sampler: DA	Date: 6/10/04
Well I.D.: MW-8	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 20.97	Depth to Water: 10.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
(3")	0.37	Other	radius² * 0.163

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Extraction Pump; Other: ____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Other: ____

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 11.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1159	67.6	7.0	892	4	grey, cloudy
1200	67.7	7.0	899	8	"
1201	67.7	7.0	905	12	"

Did well dewater? Yes (No) Gallons actually evacuated: 12

Sampling Time: 1204 Sampling Date: 6/10/04

Sample I.D.: MW-8 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (GRO BTEX MTBE) DRO Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.6 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco # 0608
Sampler: DA	Date: 6/10/04
Well I.D.: MW-10	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 22.55	Depth to Water: 9.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
(3")	0.37	Other	radius² * 0.163

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Extraction Pump; Other: _____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Other: _____

Top of Screen: ____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

4.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 14.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1126	66.6	6.9	828	5	cloudy
1127	66.5	6.9	823	10	"
1128	66.8	6.9	822	14.5	"

Did well dewater? Yes (No)		Gallons actually evacuated: 14.5	
Sampling Time: 1131		Sampling Date: 6/10/04	
Sample I.D.: MW-10		Laboratory: Pace (Sequoia) Other ____	
Analyzed for: (GRO) (BTEX) (MTBE) DRO		Other: See COC	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge: 1.0	mg/L
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco 0608
Sampler: DA	Date: 6/10/04
Well I.D.: MW-11	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 18.83	Depth to Water: 10.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
(3")	0.37	Other	radius² * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- x Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method:
- Bailer
- x Disposable Bailer
- Extraction Port
- Other: ___

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1030	67.2	7.3	635	3	grey, cloudy
1031	66.4	6.9	920	6	"
1032	66.3	6.9	936	9	"

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 1035		Sampling Date: 6/11/04	
Sample I.D.: MW-11		Laboratory: Pace (Kequoia) Other ___	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other:	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	1.5 mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	___ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco # 0608
Sampler: DA	Date: 6/10/04
Well I.D.: E - 1A (MW-12)	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: —	Depth to Water: 16.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / ~~Disposable Bailer~~ / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / ~~Disposable Bailer~~ / x Extraction Port / Other: ___

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1 Case Volume (Gals.)	x	Specified Volumes	=	Calculated Volume
___	x	Ext sys	=	___ Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
Pump	Running		to on	—	brown, turbid
0845	66.5	6.7	1019	—	
Opened	cam	lock	fitting @	wellhead.	Let run 2 min.

Did well dewater? Yes (No)		Gallons actually evacuated: —	
Sampling Time: 0848		Sampling Date: 6/10/04	
Sample I.D.: E-1A (MW-12)		Laboratory: Pace ~~Sequoia~~ Other ___	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: See COC	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge: 2.0	mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco 0608
Sampler: DA	Date: 6/10/04
Well I.D.: MW-15	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 23.25	Depth to Water: 10.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
(3")	0.37	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / ✗ Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / ✗ Disposable Bailer / Extraction Port / Other: ___

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

4.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 14.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1056	65.2	6.9	941	5	tan, cloudy
1057	65.3	6.9	933	10	"
1058	65.3	6.9	939	14.5	"

Did well dewater? Yes (No)		Gallons actually evacuated: 14.5	
Sampling Time: 1101		Sampling Date: 6/10/04	
Sample I.D.: MW-15		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (GRO) (BTEX) (MTBE) DRO		Other: see COC	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge: 0.5	mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco 0608
Sampler: DA	Date: 6/10/04
Well I.D.: MW-25	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 18.55	Depth to Water: 11.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer / ✗ Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / ✓ Disposable Bailer / Extraction Port / Other: ____

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1217	65.0	7.0	977	1.25	tan, cloudy
1219	65.3	7.0	980	2.5	"
1221	64.9	7.1	979	3.5	"

Did well dewater? Yes (No)		Gallons actually evacuated: 3.5	
Sampling Time: 1224		Sampling Date: 6/10/04	
Sample I.D.: MW-25		Laboratory: Pace (Sequoia) Other ____	
Analyzed for: (GRO) (BTEX) (MTBE) DRO		Other: see coc	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge: 0.8	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco # 0603
Sampler: DA	Date: 6/10/04
Well I.D.: 6424	Well Diameter: 2 3 4 6 8 —
Total Well Depth: —	Depth to Water: —
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC DA Grade	D.O. Meter (if req'd): YSI DA HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Other: _____

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

_____ X — = _____ Gals.
1 Case Volume (Gals.) | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1005	owner not home				
1130	owner not home. House appears vacant. Spoke with neighbors who thought it may have been sold.				
1250	Returned. No one Home				

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Pace Sequoia Other_____	
Analyzed for: GRO BTEX MTBE DRO		Other:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040610-DA1	Station # Arco # 0608
Sampler: DA	Date: 6/10/04
Well I.D.: 17372 VM	Well Diameter: 2 3 4 6 8 —
Total Well Depth: —	Depth to Water: —
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Other: spigot

Top of Screen: —

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

let run 3 min

_____ X _____ = _____ Gals.

1 Case Volume (Gals.) | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1000 Rang Doorbell. No one Home. 1007 Returned, able to find owner. Elderly owner; may take time to get to door.					
1015	65.8	6.9	791	—	clear
Owner turned on pump. Sampled from spigot along side fence Northof					
house					

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Time: 1015 Sampling Date: 6/10/04

Sample I.D.: 17372 VM Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: See COC

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	4.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

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 PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. 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 0608
Station #

17601 Hesperian Blvd. San Lorenzo, CA
Station Address

Total Gallons Collected From Groundwater Monitoring Wells: 57.5

added equip. rinse water 5

any other adjustments ____

TOTAL GALS. RECOVERED 62.5

loaded onto BTS vehicle # 49

BTS event # 040610-DA1

time 1400

date 6/10/04

signature David Allbut

****

REC'D AT ____ time ____ date ___/___/___

unloaded by signature ____

Date: 4/7/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0L041
August 14, 2003

System Description:

Groundwater Pumps

Well	Type	Size	Control	Set Depth (TOB)
E-1A	Electric	3"	panel	23.9'

Carbon Vessels: Three ASC-2,400
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

System on upon arrival? UP (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	37526	HOUR METER READING (hrs)	11509.2
		Time:	0835

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,524,110	3,524,179
FILTER INLET PRESSURE (psig)	10.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	8.6	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	4.6/4.4	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	< 2	(ideal range: 0 to 2 psig)

PART B: COMMENTS Collected confirmation samples to verify any break-through constituents. See COC attached. Changed Filter. System is averaging 2,170 gal/day. (GOOD)

RECEIVED
APR 08 2004
BP UNIT

N:Projects/IT/ARCO/809628/O&MDataSheetGWE

JK 4/9/04

PART C: WELL DATA (Monthly)

*** ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS**

WELL	DTW (TOB)	TOTALIZER (gallons)	FLOWRATE (gpm)	COMMENTS/ ADJUSTMENTS
E-1A				
UST-A		N/A	N/A	
UST-B		N/A	N/A	
SP1-V4		N/A	N/A	

PART D: SAMPLING (Monthly) Monthly Samples to be collected on 4/22/04

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	
MID-1	TPH-gasoline, BTEX compounds, MtBE	
MID-2	TPH-gasoline, BTEX compounds, MtBE	

PART E: READINGS (Monthly) To be conducted 4/22/04

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT				

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	Yes
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	Yes		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Yes	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	Yes		

4/9/04

Date: 4/22/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0L041
August 14, 2003

System Description:

Groundwater Pumps

Well	Type	Size	Control	Set Depth (TOB)
E-1A	Electric	3"	panel	23.9'

Carbon Vessels: Three ASC-2,400
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

System on upon arrival? operating (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	37726	HOUR METER READING (hrs)	11869.1
		Time:	0837

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,552,080	3,552,144
FILTER INLET PRESSURE (psig)	12.5	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	10.0	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	8.3 / #3: 4.5	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Flowrate dropping to 1,865 gal/day. I will pull pump and inspect on 5/6/04.

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N:Projects/IT/ARCO/809628/O&MDataSheetGWE

JV 4/26/04

PART C: WELL DATA (Monthly)

*** ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS**

WELL	DTW (TOB)	TOTALIZER (gallons)	FLOWRATE (gpm)	COMMENTS/ ADJUSTMENTS
E-1A				
UST-A		N/A	N/A	
UST-B		N/A	N/A	
SP1-V4		N/A	N/A	

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	4/22
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	4/22
MID-1	TPH-gasoline, BTEX compounds, MtBE	4/22
MID-2	TPH-gasoline, BTEX compounds, MtBE	4/22

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	20.0°C	856 µS	6.69	1.64

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	Yes
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	Y/O		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Yes	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	Yes		

N 4/26/04

Date: 5/6/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0L041
August 14, 2003

System Description:

Groundwater Pumps

Well	Type	Size	Control	Set Depth (TOB)
E-1A	Electric	3"	panel	23.9'

Carbon Vessels: Three ASC-2.400
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

System on upon arrival? OP (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	37912	HOUR METER READING (hrs)	#12206.1
		Time:	0947

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,579,920	3,579,927
FILTER INLET PRESSURE (psig)	13	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	10 / 8.4 (#2)	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	4.3	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS System O.K.
System Averaging 1,983 gal/day
(1.4 gpm)

N 5/11/04

PART C: WELL DATA (Monthly)

*** ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS**

WELL	DTW (TOB)	TOTALIZER (gallons)	FLOWRATE (gpm)	COMMENTS/ ADJUSTMENTS
E-1A				
UST-A		N/A	N/A	
UST-B		N/A	N/A	
SP1-V4		N/A	N/A	

PART D: SAMPLING (Monthly) To be completed 5/20/04

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	
MID-1	TPH-gasoline, BTEX compounds, MtBE	
MID-2	TPH-gasoline, BTEX compounds, MtBE	

PART E: READINGS (Monthly) To be completed 5/20/04

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT				

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	Y/S
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	ND		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Y/S	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	Y/S		

5/11/04 TV

Date: 5/17/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0L041
August 14, 2003

System Description:

Groundwater Pumps

Well	Type	Size	Control	Set Depth (TOB)
E-1A	Electric	3"	panel	23.9'

Carbon Vessels: Three ASC-2,400
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

System on upon arrival? Operating (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)		HOUR METER READING (hrs)	12521.5
		Time:	1320

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,607,015	
FILTER INLET PRESSURE (psig)	13.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	10.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	8.6 Carbon #3 : 4.2	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS

N:Projects/IT/ARCO/809628/O&MDataSheetGWE

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KV 5/21/04

PART C: WELL DATA (Monthly)

*** ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS**

WELL	DTW (TOB)	TOTALIZER (gallons)	FLOWRATE (gpm)	COMMENTS/ ADJUSTMENTS
E-1A				
UST-A		N/A	N/A	
UST-B		N/A	N/A	
SP1-V4		N/A	N/A	

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	5/19
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	5/19
MID-1	TPH-gasoline, BTEX compounds, MtBE	5/19
MID-2	TPH-gasoline, BTEX compounds, MtBE	5/19

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	25.7°C	950 ± 5	6.50	1.40

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	Y/S
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	No		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Y/S	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	Y/S		

KV 5/21/04

Date: 6/2/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0L041
August 14, 2003

System Description:

Groundwater Pumps

Well	Type	Size	Control	Set Depth (TOB)
E-1A	Electric	3"	panel	23.9'

Carbon Vessels: Three ASC-2.400
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

System on upon arrival? Operating (If no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	38259	HOUR METER READING (hrs)	12852.9
		Time:	0900

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3635580	
FILTER INLET PRESSURE (psig)	10 psi	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	9 psi	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	8 psi Carbon #3 inlet = 4 psi	(ideal range: ~~1 to 4~~ 5 to 9 psig) (1 to 4)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Silicone sealed drain pipe in bean. Tested all interlocks:

1. E-Stop - Shutdown
2. High Pressure Shutoff - Shutdown (Set at 20 psi)
3. Pad High Float - Shutdown

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PART C: WELL DATA (Monthly)

*** ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS**

WELL	DTW (TOB)	TOTALIZER (gallons)	FLOWRATE (gpm)	COMMENTS/ ADJUSTMENTS
E-1A				
UST-A		N/A	N/A	
UST-B		N/A	N/A	
SP1-V4		N/A	N/A	

PART D: SAMPLING (Monthly) To be completed 6/17/04

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	
MID-1	TPH-gasoline, BTEX compounds, MtBE	
MID-2	TPH-gasoline, BTEX compounds, MtBE	

PART E: READINGS (Monthly) To be completed 6/17/04

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT				

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	Yes
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	N/A		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Yes	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	Yes		

Date: 6/16/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0L041
August 14, 2003

System Description:

Groundwater Pumps

Well	Type	Size	Control	Set Depth (TOB)
E-1A	Electric	3"	panel	23.9'

Carbon Vessels: Three ASC-2,400
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

System on upon arrival? UP (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	38439	HOUR METER READING (hrs)	13198.0
		Time:	0615

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,664,550	3,664,594
FILTER INLET PRESSURE (psig)	11	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	8.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	7.9/4.4	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS

SS
06/18/04

PART C: WELL DATA (Monthly)

*** ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS**

WELL	DTW (TOB)	TOTALIZER (gallons)	FLOWRATE (gpm)	COMMENTS/ ADJUSTMENTS
E-1A				
UST-A		N/A	N/A	
UST-B		N/A	N/A	
SP1-V4		N/A	N/A	

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	6/16
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	6/16
MID-1	TPH-gasoline, BTEX compounds, MtBE	6/16
MID-2	TPH-gasoline, BTEX compounds, MtBE	6/16

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	24.7°C	883	6.79	0.75

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	1	CHANGE FILTERS? (if necessary)	~~Y~~ N/o
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	N/A		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Yes	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	Yes		

ATTACHMENT B

LABORATORY PROCEDURES, CERTIFIED ANALYTICAL REPORTS, AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals noted on the chain-of- custody using standard EPA Methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by Atlantic Richfield Company have been reviewed and verified by that laboratory.

Sequoia
Analytical

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7 July, 2004

Scott Robinson
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: ARCO #0608, San Lorenzo, CA
Work Order: MNF0307

Enclosed are the results of analyses for samples received by the laboratory on 06/11/04 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

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	MNF0307-01	Water	06/10/04 12:44	06/11/04 11:00
MW-8	MNF0307-02	Water	06/10/04 12:04	06/11/04 11:00
MW-10	MNF0307-03	Water	06/10/04 11:31	06/11/04 11:00
MW-11	MNF0307-04	Water	06/10/04 10:35	06/11/04 11:00
E-1A	MNF0307-05	Water	06/10/04 08:48	06/11/04 11:00
MW-15	MNF0307-06	Water	06/10/04 11:01	06/11/04 11:00
MW-25	MNF0307-07	Water	06/10/04 12:24	06/11/04 11:00
17372 VM	MNF0307-08	Water	06/10/04 10:18	06/11/04 11:00
TB-0608-061004	MNF0307-09	Water	06/10/04 00:00	06/11/04 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 intact custody seals.

Revised report created on 7/7/04. The sample ID for MNF0307-05 was revised to E-1A per client instructions.

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MNF0307-01) Water Sampled: 06/10/04 12:44 Received: 06/11/04 11:00									
tert-Amyl methyl ether	**1.0**	0.50	ug/l	1	4F21004	06/21/04	06/21/04	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	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**31**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**55**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*123 %*		*78-129*	"	"	"	"	
MW-8 (MNF0307-02) Water Sampled: 06/10/04 12:04 Received: 06/11/04 11:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4F21004	06/21/04	06/21/04	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	100	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*127 %*		*78-129*	"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MNF0307-03) Water Sampled: 06/10/04 11:31 Received: 06/11/04 11:00									
tert-Amyl methyl ether	**11**	5.0	ug/l	10	4F21004	06/21/04	06/22/04	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**410**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**600**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*119 %*		*78-129*	"	"	"	"	
MW-11 (MNF0307-04) Water Sampled: 06/10/04 10:35 Received: 06/11/04 11:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4F22003	06/22/04	06/22/04	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	100	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*78-129*	"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E-1A (MNF0307-05) Water Sampled: 06/10/04 08:48 Received: 06/11/04 11:00									
tert-Amyl methyl ether	**2.2**	0.50	ug/l	1	4F22003	06/22/04	06/22/04	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	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**46**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**74**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*78-129*		"	"	"	"	
MW-15 (MNF0307-06) Water Sampled: 06/10/04 11:01 Received: 06/11/04 11:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4F22003	06/22/04	06/22/04	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	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.7**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-25 (MNF0307-07) Water Sampled: 06/10/04 12:24 Received: 06/11/04 11:00									
tert-Amyl methyl ether	**7.2**	0.50	ug/l	1	4F22003	06/22/04	06/22/04	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	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**17**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*78-129*		"	"	"	
17372 VM (MNF0307-08) Water Sampled: 06/10/04 10:18 Received: 06/11/04 11:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4F22003	06/22/04	06/22/04	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	100	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*		*78-129*		"	"	"	

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4F21004 - EPA 5030B P/T										
Blank (4F21004-BLK1)				Prepared & Analyzed: 06/21/04						
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	100	"							
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	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.85*		"	*5.00*		*117*	*78-129*			
Laboratory Control Sample (4F21004-BS1)				Prepared & Analyzed: 06/21/04						
tert-Amyl methyl ether	11.3	0.50	ug/l	10.0		113	82-140			
Benzene	10.0	0.50	"	10.0		100	69-124			
tert-Butyl alcohol	50.6	20	"	50.0		101	56-131			
Di-isopropyl ether	10.2	0.50	"	10.0		102	76-130			
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0		105	77-132			
1,2-Dichloroethane	11.0	0.50	"	10.0		110	77-136			
Ethanol	189	100	"	200		94	31-143			
Ethyl tert-butyl ether	11.8	0.50	"	10.0		118	81-121			
Ethylbenzene	9.94	0.50	"	10.0		99	84-132			
Methyl tert-butyl ether	11.6	0.50	"	10.0		116	63-137			
Toluene	10.2	0.50	"	10.0		102	78-129			
Xylenes (total)	27.7	0.50	"	30.0		92	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.70*		"	*5.00*		*114*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4F21004 - EPA 5030B P/T										
Laboratory Control Sample (4F21004-BS2)				Prepared & Analyzed: 06/21/04						
Benzene	5.00	0.50	ug/l	6.40		78	69-124			
Ethylbenzene	8.43	0.50	"	6.96		121	84-132			
Methyl tert-butyl ether	9.79	0.50	"	9.92		99	63-137			
Toluene	35.5	0.50	"	29.7		120	78-129			
Xylenes (total)	36.2	0.50	"	33.7		107	83-137			
Gasoline Range Organics (C4-C12)	470	50	"	440		107	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.73*		"	*5.00*		*115*	*78-129*			
Laboratory Control Sample Dup (4F21004-BSD1)				Prepared: 06/21/04 Analyzed: 06/22/04						
tert-Amyl methyl ether	10.7	0.50	ug/l	10.0		107	82-140	5	20	
Benzene	10.0	0.50	"	10.0		100	69-124	0	20	
tert-Butyl alcohol	48.1	20	"	50.0		96	56-131	5	20	
Di-isopropyl ether	9.96	0.50	"	10.0		100	76-130	2	20	
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0		110	77-132	5	20	
1,2-Dichloroethane	11.8	0.50	"	10.0		118	77-136	7	20	
Ethanol	162	100	"	200		81	31-143	15	20	
Ethyl tert-butyl ether	11.8	0.50	"	10.0		118	81-121	0	20	
Ethylbenzene	9.84	0.50	"	10.0		98	84-132	1	20	
Methyl tert-butyl ether	12.3	0.50	"	10.0		123	63-137	6	20	
Toluene	10.5	0.50	"	10.0		105	78-129	3	20	
Xylenes (total)	26.9	0.50	"	30.0		90	83-137	3	20	
Surrogate: 1,2-Dichloroethane-d4	*6.26*		"	*5.00*		*125*	*78-129*			
Laboratory Control Sample Dup (4F21004-BSD2)				Prepared: 06/21/04 Analyzed: 06/22/04						
Benzene	5.57	0.50	ug/l	6.40		87	69-124	11	20	
Ethylbenzene	8.04	0.50	"	6.96		116	84-132	5	20	
Methyl tert-butyl ether	10.3	0.50	"	9.92		104	63-137	5	20	
Toluene	35.5	0.50	"	29.7		120	78-129	0	20	
Xylenes (total)	36.3	0.50	"	33.7		108	83-137	0.3	20	
Gasoline Range Organics (C4-C12)	430	50	"	440		98	70-124	9	20	
Surrogate: 1,2-Dichloroethane-d4	*6.44*		"	*5.00*		*129*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4F21004 - EPA 5030B P/T										
Matrix Spike (4F21004-MS1)	**Source: MNF0220-12**			Prepared: 06/21/04		Analyzed: 06/22/04				
Benzene	550	50	ug/l	640	44	79	69-124			
Ethylbenzene	874	50	"	696	140	105	84-132			
Methyl tert-butyl ether	1290	50	"	992	130	117	63-137			
Toluene	3450	50	"	2970	ND	116	78-129			
Xylenes (total)	3590	50	"	3370	ND	107	83-137			
Gasoline Range Organics (C4-C12)	53900	5000	"	44000	8200	104	70-124			
Surrogate: 1,2-Dichloroethane-d4	*6.17*		"	*5.00*		*123*	*78-129*			
Matrix Spike Dup (4F21004-MSD1)	**Source: MNF0220-12**			Prepared: 06/21/04		Analyzed: 06/22/04				
Benzene	592	50	ug/l	640	44	86	69-124	7	20	
Ethylbenzene	933	50	"	696	140	114	84-132	7	20	
Methyl tert-butyl ether	1200	50	"	992	130	108	63-137	7	20	
Toluene	3650	50	"	2970	ND	123	78-129	6	20	
Xylenes (total)	3690	50	"	3370	ND	109	83-137	3	20	
Gasoline Range Organics (C4-C12)	56600	5000	"	44000	8200	110	70-124	5	20	
Surrogate: 1,2-Dichloroethane-d4	*5.97*		"	*5.00*		*119*	*78-129*			
Batch 4F22003 - EPA 5030B P/T										
Blank (4F22003-BLK1)				Prepared & Analyzed: 06/22/04						
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	100	"							
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	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.41*		"	*5.00*		*108*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4F22003 - EPA 5030B P/T										
Laboratory Control Sample (4F22003-BS1)				Prepared & Analyzed: 06/22/04						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0		102	82-140			
Benzene	9.56	0.50	"	10.0		96	69-124			
tert-Butyl alcohol	52.7	20	"	50.0		105	56-131			
Di-isopropyl ether	9.34	0.50	"	10.0		93	76-130			
1,2-Dibromoethane (EDB)	9.44	0.50	"	10.0		94	77-132			
1,2-Dichloroethane	10.3	0.50	"	10.0		103	77-136			
Ethanol	190	100	"	200		95	31-143			
Ethyl tert-butyl ether	10.9	0.50	"	10.0		109	81-121			
Ethylbenzene	9.96	0.50	"	10.0		100	84-132			
Methyl tert-butyl ether	11.3	0.50	"	10.0		113	63-137			
Toluene	9.59	0.50	"	10.0		96	78-129			
Xylenes (total)	27.2	0.50	"	30.0		91	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.43*		"	*5.00*		*109*	*78-129*			
Laboratory Control Sample (4F22003-BS2)				Prepared & Analyzed: 06/22/04						
Benzene	4.86	0.50	ug/l	6.40		76	69-124			
Ethylbenzene	8.18	0.50	"	6.96		118	84-132			
Methyl tert-butyl ether	8.44	0.50	"	9.92		85	63-137			
Toluene	33.8	0.50	"	29.7		114	78-129			
Xylenes (total)	38.1	0.50	"	33.7		113	83-137			
Gasoline Range Organics (C4-C12)	433	50	"	440		98	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.50*		"	*5.00*		*110*	*78-129*			
Laboratory Control Sample Dup (4F22003-BSD1)				Prepared & Analyzed: 06/22/04						
tert-Amyl methyl ether	10.7	0.50	ug/l	10.0		107	82-140	5	20	
Benzene	10.2	0.50	"	10.0		102	69-124	6	20	
tert-Butyl alcohol	50.7	20	"	50.0		101	56-131	4	20	
Di-isopropyl ether	10.6	0.50	"	10.0		106	76-130	13	20	
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	77-132	8	20	
1,2-Dichloroethane	11.9	0.50	"	10.0		119	77-136	14	20	CC01
Ethanol	238	100	"	200		119	31-143	22	20	QC21
Ethyl tert-butyl ether	11.8	0.50	"	10.0		118	81-121	8	20	
Ethylbenzene	10.5	0.50	"	10.0		105	84-132	5	20	
Methyl tert-butyl ether	12.3	0.50	"	10.0		123	63-137	8	20	
Toluene	10.8	0.50	"	10.0		108	78-129	12	20	
Xylenes (total)	28.7	0.50	"	30.0		96	83-137	5	20	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4F22003 - EPA 5030B P/T										
Laboratory Control Sample Dup (4F22003-BSD1)				Prepared & Analyzed: 06/22/04						
Surrogate: 1,2-Dichloroethane-d4	*5.80*		*ug/l*	*5.00*		*116*	*78-129*			
Laboratory Control Sample Dup (4F22003-BSD2)				Prepared & Analyzed: 06/22/04						
Benzene	5.54	0.50	ug/l	6.40		87	69-124	13	20	
Ethylbenzene	7.99	0.50	"	6.96		115	84-132	2	20	
Methyl tert-butyl ether	10.8	0.50	"	9.92		109	63-137	25	20	QC21
Toluene	34.9	0.50	"	29.7		118	78-129	3	20	
Xylenes (total)	34.9	0.50	"	33.7		104	83-137	9	20	
Gasoline Range Organics (C4-C12)	442	50	"	440		100	70-124	2	20	
Surrogate: 1,2-Dichloroethane-d4	*6.05*		*"*	*5.00*		*121*	*78-129*			
Matrix Spike (4F22003-MS1)	**Source: MNF0456-07**			Prepared: 06/22/04		Analyzed: 06/23/04				
Benzene	937	50	ug/l	640	440	78	69-124			
Ethylbenzene	1460	50	"	696	660	115	84-132			
Methyl tert-butyl ether	2180	50	"	992	1100	109	63-137			
Toluene	6500	50	"	2970	2900	121	78-129			
Xylenes (total)	6450	50	"	3370	2800	108	83-137			
Gasoline Range Organics (C4-C12)	56500	5000	"	44000	17000	90	70-124			
Surrogate: 1,2-Dichloroethane-d4	*6.01*		*"*	*5.00*		*120*	*78-129*			
Matrix Spike Dup (4F22003-MSD1)	**Source: MNF0456-07**			Prepared: 06/22/04		Analyzed: 06/23/04				
Benzene	976	50	ug/l	640	440	84	69-124	4	20	
Ethylbenzene	1480	50	"	696	660	118	84-132	1	20	
Methyl tert-butyl ether	2090	50	"	992	1100	100	63-137	4	20	
Toluene	6640	50	"	2970	2900	126	78-129	2	20	
Xylenes (total)	6640	50	"	3370	2800	114	83-137	3	20	
Gasoline Range Organics (C4-C12)	57900	5000	"	44000	17000	93	70-124	2	20	
Surrogate: 1,2-Dichloroethane-d4	*6.00*		*"*	*5.00*		*120*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

Notes and Definitions

QC21	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
CC01	The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNF0307
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/07/04 07:23

EDF Notes and Definitions

Qualifier	LNote	LNote description
QC21	RB	RPD exceeded method control limit; % recoveries within limits.
CC01	PE	Possible high bias due to CCV falling outside acceptance criteria

Chain of Custody Record

Project Name 0608 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 6/10/04 Requested Due Date (mm/dd/yy) 14 day TAT

MDF0307

On-site Time: 1300	Temp: 67.8
Off-site Time:	Temp:
Sky Conditions: cloudy	
Meteorological Events: -	
Wind Speed: 10	Direction: SE

Send To:	BP/GEM Facility No.: ARCO 608	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 17601 HESPERIAN BL, SAN LORENZO, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 608	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #: T0600100086	Consultant/Contractor Project No.: 35-00000608.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GBM Work Release No: INTRIM -50715

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: GRO / BTEX 8015/8021 or 8260	Requested Analysis: DRO w/SGC (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-5	1244		X			01	6				X	X				X	X	X	
2	MW-8	1204					02	3				X	X				X	X	X	
3	MW-10	1131					03					X	X				X	X	X	
4	MW-11	1035					04					X	X				X	X	X	
5	E-1A (MW-12)	0848					05					X	X				X	X	X	
6	MW-15	1101					06					X	X				X	X	X	
7	MW-25	1224					07					X	X				X	X	X	
8	17372 VM	1018					08					X	X				X	X	X	on hold
9	TB-0608-061004	-		X			09	2				X								
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: David Allbut						
Sampler's Company: Blaine Tech	David Allbut / BTS	6/10/04	9:03		6/10/04	9:03
Shipment Date:		6/11/04	1100	A.V. Lakshmi Lavanya	6/11/04	11:00
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

Custody Seals In Place Yes X No ___ Temperature Blank Yes X No ___ Cooler Temperature on Receipt 2.9 °F/C Trip Blank Yes X No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 2/5/02

SEVERN TRENT STL

Submission#: 2004-04-0254

URS-Oakland, CA

April 19, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No:38486314.0L041
Project: BP Facility No: 608
Site: 18501 Herperian Blvd. San Lorenzo,CA

Attached is our report for your samples received on 04/08/2004 18:40
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 05/23/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour
Project Manager

SEVERN TRENT STL

Submission#: 2004-04-0254

URS-Oakland, CA

April 19, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No:38486314.0L041
Project: BP Facility No: 608
Site: 18501 Herperian Blvd. San Lorenzo,CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Thursday, April 08, 2004 6:40 PM.

SEVERN TRENT STL

Submission #: 2004-04-0254

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	04/07/2004 09:20	Water	1
MID-1	04/07/2004 09:15	Water	2
MID-2	04/07/2004 09:10	Water	3
EFFL	04/07/2004 09:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INFL	Lab ID:	2004-04-0254 - 1
Sampled:	04/07/2004 09:20	Extracted:	4/13/2004 13:56
Matrix:	Water	QC Batch#:	2004/04/13-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/13/2004 13:56	
Benzene	ND	0.50	ug/L	1.00	04/13/2004 13:56	
Toluene	ND	0.50	ug/L	1.00	04/13/2004 13:56	
Ethylbenzene	ND	0.50	ug/L	1.00	04/13/2004 13:56	
Total xylenes	ND	1.0	ug/L	1.00	04/13/2004 13:56	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/13/2004 13:56	
Methyl tert-butyl ether (MTBE)	25	0.50	ug/L	1.00	04/13/2004 13:56	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/13/2004 13:56	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/13/2004 13:56	
tert-Amyl methyl ether (TAME)	1.6	0.50	ug/L	1.00	04/13/2004 13:56	
Surrogate(s)						
1,2-Dichloroethane-d4	102.8	76-114	%	1.00	04/13/2004 13:56	
Toluene-d8	94.8	88-110	%	1.00	04/13/2004 13:56	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID-1	Lab ID:	2004-04-0254 - 2
Sampled:	04/07/2004 09:15	Extracted:	4/13/2004 13:20
Matrix:	Water	QC Batch#:	2004/04/13-1D.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/13/2004 13:20	
Benzene	ND	0.50	ug/L	1.00	04/13/2004 13:20	
Toluene	ND	0.50	ug/L	1.00	04/13/2004 13:20	
Ethylbenzene	ND	0.50	ug/L	1.00	04/13/2004 13:20	
Total xylenes	ND	1.0	ug/L	1.00	04/13/2004 13:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/13/2004 13:20	
Methyl tert-butyl ether (MTBE)	1.5	0.50	ug/L	1.00	04/13/2004 13:20	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/13/2004 13:20	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/13/2004 13:20	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/13/2004 13:20	
Surrogate(s)						
1,2-Dichloroethane-d4	102.7	76-114	%	1.00	04/13/2004 13:20	
Toluene-d8	91.2	88-110	%	1.00	04/13/2004 13:20	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Prep(s): 5030B
Sample ID: **MID-2**
Sampled: 04/07/2004 09:10
Matrix: Water

Test(s): 8260B
Lab ID: 2004-04-0254 - 3
Extracted: 4/13/2004 13:42
QC Batch#: 2004/04/13-1D.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/13/2004 13:42	
Benzene	ND	0.50	ug/L	1.00	04/13/2004 13:42	
Toluene	ND	0.50	ug/L	1.00	04/13/2004 13:42	
Ethylbenzene	ND	0.50	ug/L	1.00	04/13/2004 13:42	
Total xylenes	ND	1.0	ug/L	1.00	04/13/2004 13:42	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/13/2004 13:42	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/13/2004 13:42	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/13/2004 13:42	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/13/2004 13:42	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/13/2004 13:42	
Surrogate(s)						
1,2-Dichloroethane-d4	101.6	76-114	%	1.00	04/13/2004 13:42	
Toluene-d8	95.0	88-110	%	1.00	04/13/2004 13:42	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2004-04-0254 - 4
Sampled:	04/07/2004 09:00	Extracted:	4/13/2004 14:04
Matrix:	Water	QC Batch#:	2004/04/13-1D.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/13/2004 14:04	
Benzene	ND	0.50	ug/L	1.00	04/13/2004 14:04	
Toluene	ND	0.50	ug/L	1.00	04/13/2004 14:04	
Ethylbenzene	ND	0.50	ug/L	1.00	04/13/2004 14:04	
Total xylenes	ND	1.0	ug/L	1.00	04/13/2004 14:04	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/13/2004 14:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/13/2004 14:04	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/13/2004 14:04	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/13/2004 14:04	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/13/2004 14:04	
Surrogate(s)						
1,2-Dichloroethane-d4	100.8	76-114	%	1.00	04/13/2004 14:04	
Toluene-d8	93.3	88-110	%	1.00	04/13/2004 14:04	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/04/13-1C.68**

MB: 2004/04/13-1C.68-045 — Date Extracted: 04/13/2004 08:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/13/2004 08:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/13/2004 08:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/13/2004 08:45	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	04/13/2004 08:45	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/13/2004 08:45	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/13/2004 08:45	
Benzene	ND	0.5	ug/L	04/13/2004 08:45	
Toluene	ND	0.5	ug/L	04/13/2004 08:45	
Ethylbenzene	ND	0.5	ug/L	04/13/2004 08:45	
Total xylenes	ND	1.0	ug/L	04/13/2004 08:45	
Surrogates(s)					
1,2-Dichloroethane-d4	88.6	76-114	%	04/13/2004 08:45	
Toluene-d8	96.8	88-110	%	04/13/2004 08:45	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/04/13-1D.64**

MB: 2004/04/13-1D.64-045 — Date Extracted: 04/13/2004 08:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/13/2004 08:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/13/2004 08:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/13/2004 08:45	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	04/13/2004 08:45	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/13/2004 08:45	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/13/2004 08:45	
Benzene	ND	0.5	ug/L	04/13/2004 08:45	
Toluene	ND	0.5	ug/L	04/13/2004 08:45	
Ethylbenzene	ND	0.5	ug/L	04/13/2004 08:45	
Total xylenes	ND	1.0	ug/L	04/13/2004 08:45	
Surrogates(s)					
1,2-Dichloroethane-d4	94.8	76-114	%	04/13/2004 08:45	
Toluene-d8	91.4	88-110	%	04/13/2004 08:45	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2004/04/13-1C.68**

LCS 2004/04/13-1C.68-007 | Extracted: 04/13/2004 | Analyzed: 04/13/2004 08:07

LCSD 2004/04/13-1C.68-026 | Extracted: 04/13/2004 | Analyzed: 04/13/2004 08:26

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.6	22.3	25	90.4	89.2	1.3	65-165	20		
Benzene	23.1	24.9	25	92.4	99.6	7.5	69-129	20		
Toluene	23.3	24.3	25	93.2	97.2	4.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	438	416	500	87.6	83.2		76-114			
Toluene-d8	491	488	500	98.2	97.6		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2004/04/13-1D.64**

LCS 2004/04/13-1D.64-001 | Extracted: 04/13/2004 | Analyzed: 04/13/2004 08:01

LCSD 2004/04/13-1D.64-023 | Extracted: 04/13/2004 | Analyzed: 04/13/2004 08:23

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.5	22.4	25	90.0	89.6	0.4	65-165	20		
Benzene	23.6	22.2	25	94.4	88.8	6.1	69-129	20		
Toluene	23.3	22.2	25	93.2	88.8	4.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	445	461	500	89.0	92.2		76-114			
Toluene-d8	460	452	500	92.0	90.4		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 04/08/2004 18:40

Site: 18501 Herperian Blvd. San Lorenzo,CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — **Water** — **QC Batch # 2004/04/13-1D.64**

EFFL >> MS — Lab ID: 2004-04-0254 - 004

MS: 2004/04/13-1D.64-027 — Extracted: 04/13/2004 — Analyzed: 04/13/2004 14:27 — Dilution: 1.00

MSD: 2004/04/13-1D.64-049 — Extracted: 04/13/2004 — Analyzed: 04/13/2004 14:49 — Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	26.4	27.3	ND	25	105.6	109.2	3.4	69-129	20		
Toluene	25.6	25.8	ND	25	102.4	103.2	0.8	70-130	20		
Methyl tert-butyl ether	27.6	25.8	ND	25	110.4	103.2	6.7	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	516	481		500	103.2	96.2		76-114			
Toluene-d8	451	466		500	90.2	93.2		88-110			

2004-04-0254

84658

Page 1 of 1

Chain of Custody Record

Project Name Station 608 -18501 Hesparian Blvd, San Lorenzo, CA
Business Unit Atlantic Richfield Company/Northern CA Portfolio
BP Laboratory Contract Number: 4 6 1 0 0 0

Date: 4/7/04
Requested Due Date: 4/21/04
14 days from sampling date

On-site Time:	0830	Temp:	65
Off-site Time:	0930	Temp:	68
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	n/a	Direction:	n/a

Send To:	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Name: STL-SF (Pleasanton)	BP/GEM Facility Address: 18501 Hesparian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Lab Address: 1220 Quarry Lane	Site ID No. Station 608	Oakland, CA 94607
Pleasanton, CA 94566	California Global ID #:T0600101665	e-mail EDD: No EDF
Lab PM: Afsaneh Salimpour	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486314.01041
Tele/Fax: 925.484.1919/925.484.1096	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Report Type & QC Level: Level 1	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
BP/GEM Account No.:		Invoice to: Atlantic Richfield Company
Lab Bottle Order No:		BP/GEM Work Release No:

Item No.	Field Point ID	Sample ID	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO$_3$	Preservatives: HCl	Preservatives:	Preservatives:	Requested Analysis: TPH-g (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: MTBE (8260)	Requested Analysis: ~~[illegible]~~	Requested Analysis: ~~[illegible]~~	Requested Analysis: Fuel Oxy. (8260)	Requested Analysis:	Requested Analysis:	Requested Analysis:	Requested Analysis:	Sample Point Lat/Long and Comments
																										2.0°C
1	INFL	INFL	0920		X				3				X			X	X	X			X					
2	MID-1	MID-1	0915		X				3				X			X	X	X			X					
3	MID-2	MID-2	0910		X				3				X			X	X	X			X					
4	EFFL	EFFL	0900		X				~~3~~		~~X~~		X			X	X	X	~~X~~	~~X~~	X					
5																										
6																										
7																										
8																										
9																										
10																										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: George Burghardt		4/7/04	1440		4/7/04	1440
Sampler's Company: URS Oakland	D. Rogers	4/8/04	1706		4/8/04	1706
Shipment Date: 4/7/04		4/8/04	1840			
Shipment Method: Hand Deliver				Vouna B. STL-SF	4/8/04	1840
Shipment Tracking No:						

Special Instructions: ~~COD = Chemical Oxygen Demand (3 VOA's w/H2SO4), TSS = Total Suspended Solids (1 Liter poly unpreserved)~~

Custody Seals In Place Yes No x Temperature Blank Yes No x Cooler Temperature on Receipt °F/C Trip Blank Yes No x

SEVERN TRENT STL

Submission#: 2004-04-0729

URS-Oakland, CA

May 03, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No: 38486314.0L041
Project: BP Facility No: 608
Site: 18501 Hesperian Blvd, San Lorenzo, CA

Attached is our report for your samples received on 04/23/2004 16:50
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 06/07/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

SEVERN TRENT STL

Submission#: 2004-04-0729

URS-Oakland, CA

May 03, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No: 38486314.0L041
Project: BP Facility No: 608
Site: 18501 Hesperian Blvd, San Lorenzo, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Friday, April 23, 2004 4:50 PM.

SEVERN TRENT STL

Submission #: 2004-04-0729

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	04/22/2004 09:00	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	EFFL	Lab ID:	2004-04-0729 - 4
Sampled:	04/22/2004 09:00	Extracted:	4/26/2004 10:44
Matrix:	Water	QC Batch#:	2004/04/26-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	04/27/2004 07:45	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2 Test(s): 160.2

Method Blank **Water** **QC Batch # 2004/04/26-01.29**

MB: 2004/04/26-01.29-001 Date Extracted: 04/26/2004 10:44

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	04/27/2004 07:42	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2 Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2004/04/26-01.29**

LCS 2004/04/26-01.29-002 Extracted: 04/26/2004 Analyzed: 04/27/2004 07:42
LCSD 2004/04/26-01.29-003 Extracted: 04/26/2004 Analyzed: 04/27/2004 07:43

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	856	822	1000	85.6	82.2	4.1	80-120	20		

SEVERN TRENT STL

Submission #: 2004-04-0729

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	04/22/2004 09:15	Water	1
MID-1	04/22/2004 09:10	Water	2
MID-2	04/22/2004 09:05	Water	3
EFFL	04/22/2004 09:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**INFL**	Lab ID:	2004-04-0729 - 1
Sampled:	04/22/2004 09:15	Extracted:	4/30/2004 10:15
Matrix:	Water	QC Batch#:	2004/04/30-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/30/2004 10:15	
Benzene	ND	0.50	ug/L	1.00	04/30/2004 10:15	
Toluene	ND	0.50	ug/L	1.00	04/30/2004 10:15	
Ethylbenzene	ND	0.50	ug/L	1.00	04/30/2004 10:15	
Total xylenes	ND	1.0	ug/L	1.00	04/30/2004 10:15	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/30/2004 10:15	
Methyl tert-butyl ether (MTBE)	19	0.50	ug/L	1.00	04/30/2004 10:15	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/30/2004 10:15	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/30/2004 10:15	
tert-Amyl methyl ether (TAME)	1.3	0.50	ug/L	1.00	04/30/2004 10:15	
Surrogate(s)						
1,2-Dichloroethane-d4	102.8	76-114	%	1.00	04/30/2004 10:15	
Toluene-d8	91.0	88-110	%	1.00	04/30/2004 10:15	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-1**	Lab ID:	2004-04-0729 - 2
Sampled:	04/22/2004 09:10	Extracted:	4/30/2004 10:37
Matrix:	Water	QC Batch#:	2004/04/30-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/30/2004 10:37	
Benzene	ND	0.50	ug/L	1.00	04/30/2004 10:37	
Toluene	ND	0.50	ug/L	1.00	04/30/2004 10:37	
Ethylbenzene	ND	0.50	ug/L	1.00	04/30/2004 10:37	
Total xylenes	ND	1.0	ug/L	1.00	04/30/2004 10:37	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/30/2004 10:37	
Methyl tert-butyl ether (MTBE)	1.3	0.50	ug/L	1.00	04/30/2004 10:37	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/30/2004 10:37	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/30/2004 10:37	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/30/2004 10:37	
Surrogate(s)						
1,2-Dichloroethane-d4	104.6	76-114	%	1.00	04/30/2004 10:37	
Toluene-d8	95.4	88-110	%	1.00	04/30/2004 10:37	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-2**	Lab ID:	2004-04-0729 - 3
Sampled:	04/22/2004 09:05	Extracted:	4/30/2004 11:21
Matrix:	Water	QC Batch#:	2004/04/30-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/30/2004 11:21	
Benzene	ND	0.50	ug/L	1.00	04/30/2004 11:21	
Toluene	ND	0.50	ug/L	1.00	04/30/2004 11:21	
Ethylbenzene	ND	0.50	ug/L	1.00	04/30/2004 11:21	
Total xylenes	ND	1.0	ug/L	1.00	04/30/2004 11:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/30/2004 11:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/30/2004 11:21	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/30/2004 11:21	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/30/2004 11:21	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/30/2004 11:21	
Surrogate(s)						
1,2-Dichloroethane-d4	113.0	76-114	%	1.00	04/30/2004 11:21	
Toluene-d8	93.3	88-110	%	1.00	04/30/2004 11:21	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**EFFL**	Lab ID:	2004-04-0729 - 4
Sampled:	04/22/2004 09:00	Extracted:	4/30/2004 11:44
Matrix:	Water	QC Batch#:	2004/04/30-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/30/2004 11:44	
Benzene	ND	0.50	ug/L	1.00	04/30/2004 11:44	
Toluene	ND	0.50	ug/L	1.00	04/30/2004 11:44	
Ethylbenzene	ND	0.50	ug/L	1.00	04/30/2004 11:44	
Total xylenes	ND	1.0	ug/L	1.00	04/30/2004 11:44	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	04/30/2004 11:44	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/30/2004 11:44	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	04/30/2004 11:44	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	04/30/2004 11:44	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	04/30/2004 11:44	
Surrogate(s)						
1,2-Dichloroethane-d4	109.8	76-114	%	1.00	04/30/2004 11:44	
Toluene-d8	92.7	88-110	%	1.00	04/30/2004 11:44	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/04/30-1A.64**

MB: 2004/04/30-1A.64-040 — Date Extracted: 04/30/2004 09:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/30/2004 09:40	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/30/2004 09:40	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/30/2004 09:40	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	04/30/2004 09:40	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	04/30/2004 09:40	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	04/30/2004 09:40	
Benzene	ND	0.5	ug/L	04/30/2004 09:40	
Toluene	ND	0.5	ug/L	04/30/2004 09:40	
Ethylbenzene	ND	0.5	ug/L	04/30/2004 09:40	
Total xylenes	ND	1.0	ug/L	04/30/2004 09:40	
Surrogates(s)					
1,2-Dichloroethane-d4	98.4	76-114	%	04/30/2004 09:40	
Toluene-d8	94.6	88-110	%	04/30/2004 09:40	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/04/30-1A.64**

LCS 2004/04/30-1A.64-055 Extracted: 04/30/2004 Analyzed: 04/30/2004 08:55

LCSD 2004/04/30-1A.64-017 Extracted: 04/30/2004 Analyzed: 04/30/2004 09:17

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.7	25.3	25	102.8	101.2	1.6	65-165	20		
Benzene	27.3	26.5	25	109.2	106.0	3.0	69-129	20		
Toluene	25.8	26.6	25	103.2	106.4	3.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	469	459	500	93.8	91.8		76-114			
Toluene-d8	471	489	500	94.2	97.8		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 04/23/2004 16:50

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/04/30-1A.64**

EFFL >> MS Lab ID: 2004-04-0729 - 004

MS: 2004/04/30-1A.64-041 Extracted: 04/30/2004 Analyzed: 04/30/2004 14:41

Dilution: 1.00

MSD: 2004/04/30-1A.64-003 Extracted: 04/30/2004 Analyzed: 04/30/2004 15:03

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	27.7	27.4	ND	25	110.8	109.6	1.1	65-165	20		
Benzene	27.4	27.3	ND	25	109.6	109.2	0.4	69-129	20		
Toluene	26.5	25.2	ND	25	106.0	100.8	5.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	521	526		500	104.2	105.2		76-114			
Toluene-d8	485	479		500	97.0	95.8		88-110			

2004-04-0729

85157

Page 1 of 1

Chain of Custody Record

bp

Project Name Station 608 -18501 Hesparian Blvd, San Lorenzo, CA
Business Unit Atlantic Richfield Company/Northern CA Portfolio
BP Laboratory Contract Number: 4 6 1 0 0 0

Date: 4/22/04
Requested Due Date: 5/6/04
(mm/dd/yy - 2 weeks from sampling date)

On-site Time:	0830	Temp:	55
Off- site Time:	1630	Temp:	60
Sky Conditions:	Clear/Sunny		
Meteorological Events:	None		
Wind Speed:	n/a	Direction:	n/a

Send To:	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Name: STL - SF	BP/GEM Facility Address: 18501 Hesparian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Lab Address: 1220 Quarry Lane	Site ID No. Station 608	Oakland, CA 94607
Pleasanton, CA 94566	California Global ID #:T0600101665	e-mail EDD: Scott_Robinson@URSCorp.com
	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486314.0L041
Lab PM: Afsaneh Salimpour	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Tele/Fax: 925.484.1919/925.484.1096	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
Report Type & QC Level: Normal		Invoice to: Atlantic Richfield Company
BP/GEM Account No.:		BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Field Point ID	Sample ID	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives:	Preservatives:	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: MTBE (8260)	Requested Analysis: COD	Requested Analysis: TSS	Requested Analysis: Fuel Oxy. (8260)	Requested Analysis:	Requested Analysis:	Requested Analysis:	Requested Analysis:	Sample Point Lat/Long and Comments
1	INFL	INFL	0915		X				3				X			X	X	X			X					
2	MID-1	MID-1	0910		X				3				X			X	X	X			X					
3	MID-2	MID-2	0905		X				3				X			X	X	X			X					
4	EFFL	EFFL	0900		X				7		X		X			X	X	X	X	X	X					
5																										
6																										
7																										
8																										
9																										
10																										

Sampler's Name: George Brassner	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: URS Oakland		4/22/04	1350		4/22/04	1350
Shipment Date: 4/22/04		4/23/04	1310	STL-SF	4/23/04	1310
Shipment Method: Hand Deliver		4/23/04	1650		4/23/04	1650
Shipment Tracking No:						

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H2SO4), TSS = Total Suspended Solids (1 Liter poly unpreserved)

Custody Seals In Place Yes No x Temperature Blank Yes No x Cooler Temperature on Receipt 5 °F/C Trip Blank Yes No x

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

5 May, 2004

Afsaneh Salimpour
Severn Trent Laboratories, San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

RE: BP
Work Order: P404584

Enclosed are the results of analyses for samples received by the laboratory on 04/27/04 10:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Project Manager

CA ELAP Certificate #2374

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
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Severn Trent Laboratories, San Francisco	Project: BP	P404584
1220 Quarry Lane	Project Number: ARCO#608, San Lorenzo/2004-04-0729	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	05/05/04 16:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	P404584-01	Water	04/22/04 09:00	04/27/04 10:00

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project: BP	P404584
1220 Quarry Lane	Project Number: ARCO#608, San Lorenzo/2004-04-0729	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	05/05/04 16:32

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P404584-01) Water	**Sampled: 04/22/04 09:00**	**Received: 04/27/04 10:00**							
Chemical Oxygen Demand	**27000**	20000	ug/l	1	4040766	04/29/04	04/29/04	EPA 410.4	

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project: BP	P404584
1220 Quarry Lane	Project Number: ARCO#608, San Lorenzo/2004-04-0729	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	05/05/04 16:32

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4040766 - General Preparation										
Blank (4040766-BLK1)				Prepared & Analyzed: 04/29/04						
Chemical Oxygen Demand	ND	20000	ug/l							
Laboratory Control Sample (4040766-BS1)				Prepared & Analyzed: 04/29/04						
Chemical Oxygen Demand	242000	20000	ug/l	250000		97	80-120			
Matrix Spike (4040766-MS1)	**Source: P404377-08RE1**			Prepared & Analyzed: 04/29/04						
Chemical Oxygen Demand	521000	40000	ug/l	500000	36000	97	75-125			
Matrix Spike Dup (4040766-MSD1)	**Source: P404377-08RE1**			Prepared & Analyzed: 04/29/04						
Chemical Oxygen Demand	559000	40000	ug/l	500000	36000	105	75-125	7	20	

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project: BP	P404584
1220 Quarry Lane	Project Number: ARCO#608, San Lorenzo/2004-04-0729	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	05/05/04 16:32

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

P404584

SEVERN TRENT STL

Date Shipped: 4/24/2004

Chain of Custody

2004-04-0729 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project Manager: Afsaneh Salimpour
Phone: (925) 484-1919 Ext: 107
Fax: (925) 484-1096
Email: asalimpour@stl-inc.com

To:

Sequoia Analytical Petaluma
1455 N. McDowell Blvd., North Ste. D
Petaluma, CA 94954

Phone: (707) 792-1865 Ext:
Fax: (707) 792-0342
Contact: Sample Receiving
Phone: (707) 792-1865 Ext:

CL Submission #: 2004-04-0729

CL PO #:

Project #: Consultant Project No: 38486314.0L041

Project Name: BP Facility No: 608

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
EFFL	4	4/22/2004 9:00:00AM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

COOLER CUSTODY SEALS INTACT ☐

NOT INTACT ☐

COOLER TEMPERATURE 3.6 °c

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1545	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 4/26/04	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: Time:	Signature: [signature] Time: 4/27/04	Signature: Time:
Printed Name: Date:	Printed Name: Gail Herrmann Date: 1000	Printed Name: Date:
Company:	Company: Sequoia	Company:

2004-04-0724

85157

Page 1 of 1

Chain of Custody Record

Project Name Station 608 -18501 Hesparian Blvd, San Lorenzo, CA
Business Unit Atlantic Richfield Company/Northern CA Portfolio
BP Laboratory Contract Number: 4 6 1 0 0 0

Date: 4/22/04
Requested Due Date: 5/6/04 (mm/dd/yy - 2 weeks from sampling date)

On-site Time:	0830 Temp: 55
Off- site Time:	1030 Temp: 60
Sky Conditions:	Clear / Sunny
Meteorological Events:	None
Wind Speed:	n/a Direction: n/a

Send To:	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Name: STL - SF	BP/GEM Facility Address: 18501 Hesparian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Lab Address: 1220 Quarry Lane	Site ID No. Station 608	Oakland, CA 94607
Pleasanton, CA 94566	California Global ID #:T0600101665	e-mail EDD: Scott_Robinson@URSCorp.com
Lab PM: Afsaneh Salimpour	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486314.0L041
Tele/Fax: 925.484.1919/925.484.1096	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Report Type & QC Level: Normal	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
BP/GEM Account No.:		Invoice to: Atlantic Richfield Company
Lab Bottle Order No:		BP/GEM Work Release No:

Item No.	Field Point ID	Sample ID	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: MTBE (8260)	Requested Analysis: COD	Requested Analysis: TSS	Requested Analysis: Fuel Oxy. (8260)	Sample Point Lat/Long and Comments
1	INFL	INFL	0915		X				3				X	X	X	X			X	
2	MID-1	MID-1	0910		X				3				X	X	X	X			X	
3	MID-2	MID-2	0905		X				3				X	X	X	X			X	
4	EFFL	EFFL	0900		X				7		X		X	X	X	X	X	X	X	
5																				
6																				
7																				
8																				
9																				
10																				

Sampler's Name: Donna Granshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: URS Oakland		4/22/04	1350		4/22/04	1350
Shipment Date: 4/22/04		4/23/04	1310		4/23/04	1310
Shipment Method: Hand Deliver		4/23/04	1650		04/23/04	1650
Shipment Tracking No:						

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H2SO4), TSS = Total Suspended Solids (1 Liter poly unpreserved)

Custody Seals In Place Yes ___ No x Temperature Blank Yes ___ No x Cooler Temperature on Receipt 5 °F/C Trip Blank Yes ___ No x

Sequoia
Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

4 June, 2004

Afsaneh Salimpour
Severn Trent Laboratories, San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

RE: BP
Work Order: P405456

Enclosed are the results of analyses for samples received by the laboratory on 05/24/04 12:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Project Manager

CA ELAP Certificate #2374

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project:BP	P405456
1220 Quarry Lane	Project Number:2004-04-0820/ARCO#608	**Reported:**
Pleasanton CA, 94566	Project Manager:Afsaneh Salimpour	06/04/04 15:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	P405456-01	Water	05/19/04 13:40	05/24/04 12:45

øO9ØI°1

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project:BP	P405456
1220 Quarry Lane	Project Number:2004-04-0820/ARCO#608	**Reported:**
Pleasanton CA, 94566	Project Manager:Afsaneh Salimpour	06/04/04 15:58

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P405456-01) Water Sampled: 05/19/04 13:40 Received: 05/24/04 12:45									
Chemical Oxygen Demand	ND	20000	ug/l	1	4060031	06/02/04	06/02/04	EPA 410.4	

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project:BP	P405456
1220 Quarry Lane	Project Number:2004-04-0820/ARCO#608	**Reported:**
Pleasanton CA, 94566	Project Manager:Afsaneh Salimpour	06/04/04 15:58

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060031 - General Preparation										
Blank (4060031-BLK1)				Prepared & Analyzed: 06/02/04						
Chemical Oxygen Demand	ND	20000	ug/l							
Laboratory Control Sample (4060031-BS1)				Prepared & Analyzed: 06/02/04						
Chemical Oxygen Demand	244000	20000	ug/l	250000		98	80-120			
Matrix Spike (4060031-MS1)	**Source: P405456-01**			Prepared & Analyzed: 06/02/04						
Chemical Oxygen Demand	480000	40000	ug/l	500000	8600	94	75-125			
Matrix Spike Dup (4060031-MSD1)	**Source: P405456-01**			Prepared & Analyzed: 06/02/04						
Chemical Oxygen Demand	500000	40000	ug/l	500000	8600	98	75-125	4	20	

Sequoia Analytical

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www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project:BP	P405456
1220 Quarry Lane	Project Number:2004-04-0820/ARCO#608	**Reported:**
Pleasanton CA, 94566	Project Manager:Afsaneh Salimpour	06/04/04 15:58

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

P405456

SEVERN TRENT **STL**

Chain of Custody

Date Shipped: 5/24/2004

2004-05-0820 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project Manager: Afsaneh Salimpour
Phone: (925) 484-1919 Ext: 107
Fax: (925) 484-1096
Email: asalimpour@stl-inc.com

CL Submission #: 2004-05-0820

CL PO #:

To:

Sequoia Analytical Petaluma
1455 N. McDowell Blvd., North Ste. D
Petaluma, CA 94954

Phone: (707) 792-1865 Ext:
Fax: (707) 792-0342
Contact: Sample Receiving
Phone: (707) 792-1865 Ext:

Project #: Consultant Project No:38486314.0L041
Project Name: BP Facility No: 608

Client Sample ID / Analysis	Lab #	Sampled	Matrix / Method	TAT
EFFL P405456-01	4	5/19/2004 1:40:00PM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 4.0 °C

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature 0840 Time	Signature 1245 Time	Signature Time
Printed Name M. VILLANUEVA Date 05/24/04	Printed Name 5/24/04 Date	Printed Name Date
Company STL SF	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature 840 Time	Signature 1245 Time	Signature Time
Printed Name 5/24/04 Date	Printed Name SARAH A. GULLION Date 5/24/04	Printed Name Date
Company	Company SEQ - Pet	Company

2004-05-0820

86165

Page 1 of 1

24054556

bp

Chain of Custody Record

Project Name Station 608 -18501 Hesparian Blvd, San Lorenzo, CA

Business Unit Atlantic Richfield Company/Northern CA Portfolio

BP Laboratory Contract Number: 4 6 1 0 0 0

Date: 5/19/04

Requested Due Date: 6/1/04 (mm/dd/yy - 2 weeks from sampling date)

On-site Time: 1320	Temp: 74
Off-site Time: 1430	Temp: 75
Sky Conditions: Sunny	
Meteorological Events: None	
Wind Speed: n/a	Direction: n/a

Send To:		
Lab Name: STL - SF	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Address: 1220 Quarry Lane	BP/GEM Facility Address: 18501 Hesparian Blvd, San Lorenzo, CA	Address 500 12th Street, #200
Pleasanton, CA 94566	Site ID No. Station 608	Oakland, CA 94607
	California Global ID #:T0600101665	e-mail EDD: Scott_Robinson@URSCorp.com
Lab PM: Afsaneh Salimpour	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486514.0L041
Tele/Fax: 925.484.1919/925.484.1096	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Report Type & QC Level: Normal	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
BP/GEM Account No.:		Invoice to: Atlantic Richfield Company
Lab Bottle Order No:		BP/GEM Work Release No:

Item No.	Field Point ID	Sample ID	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analysis: GRO (8260)	BTEX (8260)	MTBE (8260)	COD	TSS	Fuel Oxy (8260)					Sample Point Lat/Long and Comments
1	INFL	INFL	1355		X				3				X			X	X	X			X					
2	MID-1	MID-1	1350		X				3				X			X	X	X			X					
3	MID-2	MID-2	1345		X				3				X			X	X	X			X					
4	EFFL	EFFL	1340		X				5		X		X			X	X	X	X	X	X					
5																										
6																										
7																										
8																										
9																										
10																										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: George Braesink	[signature]	5/20/04	1440	[signature] STL-SAC	5-20-04	1440
Sampler's Company: URS Oakland	[signature]	5/21/04	1050	STL-SF [signature]	5/21/04	1050
Shipment Date: 5/20/04	STL-SF [signature]	5/21/04	1235	[signature]	5/21/04	1235
Shipment Method: Hand Deliver						
Shipment Tracking No:						

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H2SO4), TSS = Total Suspended Solids (1 Liter poly unpreserved)

Custody Seals In Place Yes ___ No x   Temperature Blank Yes ___ No x   Cooler Temperature on Receipt 6.0° F/C   Trip Blank Yes ___ No x

SEVERN TRENT STL

Submission#: 2004-05-0820

URS-Oakland, CA

June 04, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No:38486314.0L041
Project: BP Facility No: 608
Site: 18501 Hesperian Blvd, San Lorenzo, CA

Attached is our report for your samples received on 05/21/2004 12:35
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 07/05/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

URS-Oakland, CA

June 04, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No:38486314.0L041
Project: BP Facility No: 608
Site: 18501 Hesperian Blvd, San Lorenzo, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Friday, May 21, 2004 12:35 PM.

SEVERN TRENT STL

Submission #: 2004-05-0820

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	05/19/2004 13:40	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	**EFFL**	Lab ID:	2004-05-0820 - 4
Sampled:	05/19/2004 13:40	Extracted:	5/26/2004 08:58
Matrix:	Water	QC Batch#:	2004/05/26-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	13	10	mg/L	1.00	05/27/2004 07:46	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2 — Test(s): 160.2

Method Blank — **Water** — **QC Batch # 2004/05/26-01.29**

MB: 2004/05/26-01.29-001 — Date Extracted: 05/26/2004 08:58

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	05/27/2004 07:43	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2 Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2004/05/26-01.29**

LCS 2004/05/26-01.29-002 Extracted: 05/26/2004 Analyzed: 05/27/2004 07:42
LCSD 2004/05/26-01.29-003 Extracted: 05/26/2004 Analyzed: 05/27/2004 07:42

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	1020	974	1000	102.0	97.4	4.6	80-120	20		

SEVERN TRENT STL

Submission #: 2004-05-0820

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	05/19/2004 13:55	Water	1
MID-1	05/19/2004 13:50	Water	2
MID-2	05/19/2004 13:45	Water	3
EFFL	05/19/2004 13:40	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INFL	Lab ID:	2004-05-0820 - 1
Sampled:	05/19/2004 13:55	Extracted:	5/29/2004 09:08
Matrix:	Water	QC Batch#:	2004/05/29-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/29/2004 09:08	
Benzene	ND	0.50	ug/L	1.00	05/29/2004 09:08	
Toluene	ND	0.50	ug/L	1.00	05/29/2004 09:08	
Ethylbenzene	ND	0.50	ug/L	1.00	05/29/2004 09:08	
Total xylenes	ND	1.0	ug/L	1.00	05/29/2004 09:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/29/2004 09:08	
Methyl tert-butyl ether (MTBE)	19	0.50	ug/L	1.00	05/29/2004 09:08	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/29/2004 09:08	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/29/2004 09:08	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/29/2004 09:08	
Surrogate(s)						
1,2-Dichloroethane-d4	106.4	72-128	%	1.00	05/29/2004 09:08	
Toluene-d8	97.8	80-113	%	1.00	05/29/2004 09:08	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 05/19/2004 13:50
Matrix: Water

Test(s): 8260B
Lab ID: 2004-05-0820 - 2
Extracted: 5/29/2004 09:30
QC Batch#: 2004/05/29-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/29/2004 09:30	
Benzene	ND	0.50	ug/L	1.00	05/29/2004 09:30	
Toluene	ND	0.50	ug/L	1.00	05/29/2004 09:30	
Ethylbenzene	ND	0.50	ug/L	1.00	05/29/2004 09:30	
Total xylenes	ND	1.0	ug/L	1.00	05/29/2004 09:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/29/2004 09:30	
Methyl tert-butyl ether (MTBE)	2.0	0.50	ug/L	1.00	05/29/2004 09:30	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/29/2004 09:30	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/29/2004 09:30	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/29/2004 09:30	
Surrogate(s)						
1,2-Dichloroethane-d4	110.5	72-128	%	1.00	05/29/2004 09:30	
Toluene-d8	98.3	80-113	%	1.00	05/29/2004 09:30	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s): 5030B
Sample ID: **MID-2**
Sampled: 05/19/2004 13:45
Matrix: Water

Test(s): 8260B
Lab ID: 2004-05-0820 - 3
Extracted: 6/1/2004 08:21
QC Batch#: 2004/06/01-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/01/2004 08:21	
Benzene	ND	0.50	ug/L	1.00	06/01/2004 08:21	
Toluene	ND	0.50	ug/L	1.00	06/01/2004 08:21	
Ethylbenzene	ND	0.50	ug/L	1.00	06/01/2004 08:21	
Total xylenes	ND	1.0	ug/L	1.00	06/01/2004 08:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/01/2004 08:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/01/2004 08:21	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/01/2004 08:21	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/01/2004 08:21	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/01/2004 08:21	
Surrogate(s)						
1,2-Dichloroethane-d4	112.3	72-128	%	1.00	06/01/2004 08:21	
Toluene-d8	92.0	80-113	%	1.00	06/01/2004 08:21	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2004-05-0820 - 4
Sampled:	05/19/2004 13:40	Extracted:	6/1/2004 08:43
Matrix:	Water	QC Batch#:	2004/06/01-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/01/2004 08:43	
Benzene	ND	0.50	ug/L	1.00	06/01/2004 08:43	
Toluene	ND	0.50	ug/L	1.00	06/01/2004 08:43	
Ethylbenzene	ND	0.50	ug/L	1.00	06/01/2004 08:43	
Total xylenes	ND	1.0	ug/L	1.00	06/01/2004 08:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/01/2004 08:43	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/01/2004 08:43	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/01/2004 08:43	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/01/2004 08:43	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/01/2004 08:43	
Surrogate(s)						
1,2-Dichloroethane-d4	107.6	72-128	%	1.00	06/01/2004 08:43	
Toluene-d8	96.2	80-113	%	1.00	06/01/2004 08:43	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/05/29-1A.64**

MB: 2004/05/29-1A.64-031 — Date Extracted: 05/29/2004 08:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/29/2004 08:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/29/2004 08:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/29/2004 08:31	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	05/29/2004 08:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	05/29/2004 08:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	05/29/2004 08:31	
Benzene	ND	0.5	ug/L	05/29/2004 08:31	
Toluene	ND	0.5	ug/L	05/29/2004 08:31	
Ethylbenzene	ND	0.5	ug/L	05/29/2004 08:31	
Total xylenes	ND	1.0	ug/L	05/29/2004 08:31	
Surrogates(s)					
1,2-Dichloroethane-d4	101.6	72-128	%	05/29/2004 08:31	
Toluene-d8	98.2	80-113	%	05/29/2004 08:31	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/06/01-1B.64**

MB: 2004/06/01-1B.64-031 — Date Extracted: 06/01/2004 07:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/01/2004 07:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/01/2004 07:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/01/2004 07:31	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/01/2004 07:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/01/2004 07:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/01/2004 07:31	
Benzene	ND	0.5	ug/L	06/01/2004 07:31	
Toluene	ND	0.5	ug/L	06/01/2004 07:31	
Ethylbenzene	ND	0.5	ug/L	06/01/2004 07:31	
Total xylenes	ND	1.0	ug/L	06/01/2004 07:31	
Surrogates(s)					
1,2-Dichloroethane-d4	106.6	72-128	%	06/01/2004 07:31	
Toluene-d8	104.6	80-113	%	06/01/2004 07:31	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/05/29-1A.64**

LCS 2004/05/29-1A.64-046 Extracted: 05/29/2004 Analyzed: 05/29/2004 07:46

LCSD 2004/05/29-1A.64-009 Extracted: 05/29/2004 Analyzed: 05/29/2004 08:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	19.5	20.9	25	78.0	83.6	6.9	65-165	20		
Benzene	18.5	18.8	25	74.0	75.2	1.6	69-129	20		
Toluene	20.7	20.8	25	82.8	83.2	0.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	475	489	500	95.0	97.8		72-128			
Toluene-d8	486	494	500	97.2	98.8		80-113			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/06/01-1B.64**

LCS 2004/06/01-1B.64-047 Extracted: 06/01/2004 Analyzed: 06/01/2004 06:47

LCSD 2004/06/01-1B.64-009 Extracted: 06/01/2004 Analyzed: 06/01/2004 07:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.0	24.9	25	96.0	99.6	3.7	65-165	20		
Benzene	23.0	23.7	25	92.0	94.8	3.0	69-129	20		
Toluene	26.1	26.9	25	104.4	107.6	3.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	478	482	500	95.6	96.4		72-128			
Toluene-d8	509	522	500	101.8	104.4		80-113			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No:38486314.0L041
BP Facility No: 608

Received: 05/21/2004 12:35

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/05/29-1A.64**

INFL >> MS

Lab ID: 2004-05-0820 - 001

MS: 2004/05/29-1A.64-012 Extracted: 05/29/2004

Analyzed: 05/29/2004 13:12

Dilution: 1.00

MSD: 2004/05/29-1A.64-034 Extracted: 05/29/2004

Analyzed: 05/29/2004 13:34

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	38.5	38.8	18.8	25	78.8	80.0	1.5	65-165	20		
Benzene	19.5	18.8	ND	25	78.0	75.2	3.7	69-129	20		
Toluene	21.3	21.6	ND	25	85.2	86.4	1.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	493	484		500	98.6	96.8		72-128			
Toluene-d8	487	488		500	97.4	97.6		80-113			

SEVERN TRENT STL

Chain of Custody

Date Shipped: 5/24/2004

2004-05-0820 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project Manager: Afsaneh Salimpour
Phone: (925) 484-1919 Ext: 107
Fax: (925) 484-1096
Email: asalimpour@stl-inc.com

To:

Sequoia Analytical Petaluma
1455 N. McDowell Blvd., North Ste. D
Petaluma, CA 94954

Phone: (707) 792-1865 Ext:
Fax: (707) 792-0342
Contact: Sample Receiving
Phone: (707) 792-1865 Ext:

CL Submission #: 2004-05-0820

CL PO #:

Project #: Consultant Project No:38486314.0L041

Project Name: BP Facility No: 608

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
EFFL	4	5/19/2004 1:40:00PM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature / Time	Signature / Time	Signature / Time
Printed Name / Date	Printed Name / Date	Printed Name / Date
Company	Company	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature / Time	Signature / Time	Signature / Time
Printed Name / Date	Printed Name / Date	Printed Name / Date
Company	Company	Company

86165

2004-05-0820

Page 1 of 1

Chain of Custody Record

On-site Time:	1320 Temp: 74
Off-site Time:	1450 Temp: 75
Sky Conditions:	Sunny
Meteorological Events:	None
Wind Speed:	n/a Direction: n/a

Project Name Station 608 -18501 Hesparian Blvd, San Lorenzo, CA
Business Unit Atlantic Richfield Company/Northern CA Portfolio
BP Laboratory Contract Number: 4 6 1 0 0 0

Date: 5/19/04
Requested Due Date: 6/1/04 (mm/dd/yy - 2 weeks from sampling date)

Send To:	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Name: STL - SF	BP/GEM Facility Address: 18501 Hesparian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Lab Address: 1220 Quarry Lane	Site ID No. Station 608	Oakland, CA 94607
Pleasanton, CA 94566	California Global ID #:T0600101665	e-mail EDD: Scott_Robinson@URSCorp.com
	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486314.0L041
Lab PM: Afsaneh Salimpour	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Tele/Fax: 925.484.1919/925.484.1096	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
Report Type & QC Level: Normal		Invoice to: Atlantic Richfield Company
BP/GEM Account No.:		BP/GEM Work Release No:
Lab Bottle Order No:		

Item No.	Field Point ID	Sample ID	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives:	Preservatives:	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: MTBE (8260)	Requested Analysis: COD	Requested Analysis: TSS	Requested Analysis: Fuel Oxy. (8260)	Requested Analysis:	Requested Analysis:	Requested Analysis:	Requested Analysis:	Sample Point Lat/Long and Comments
1	INFL	INFL	1355		X				3				X			X	X	X			X					
2	MID-1	MID-1	1350		X				3				X			X	X	X			X					
3	MID-2	MID-2	1345		X				3				X			X	X	X			X					
4	EFFL	EFFL	1340		X				5		X		X			X	X	X	X	X	X					
5																										
6																										
7																										
8																										
9																										
10																										

Sampler's Name: George Bradshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: URS Oakland		5/20/04	1440	STL-SFC	5-20-04	1440
Shipment Date: 5/20/04		5/21/04	1050		5/21/04	1050
Shipment Method: Hand Deliver		5/21/04	1235			
Shipment Tracking No:		5/21/04			5/21/04	1235

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H2SO4), TSS = Total Suspended Solids (1 Liter poly unpreserved)

Custody Seals in Place Yes ___ No x Temperature Blank Yes ___ No x Cooler Temperature on Receipt 6.0 °F/C Trip Blank Yes ___ No x

Sequoia
Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

7 July, 2004

Afsaneh Salimpour
Severn Trent Laboratories, San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

RE: BP
Work Order: P406395

Enclosed are the results of analyses for samples received by the laboratory on 06/22/04 10:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Stacy P. Hoch

Stacy P. Hoch For Angelee Cari
Project Manager

CA ELAP Certificate #2374

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project:BP	P406395
1220 Quarry Lane	Project Number:2004-06-0658	**Reported:**
Pleasanton CA, 94566	Project Manager:Afsaneh Salimpour	07/07/04 14:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	P406395-01	Water	06/16/04 18:10	06/22/04 10:20

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Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project:BP	P406395
1220 Quarry Lane	Project Number:2004-06-0658	**Reported:**
Pleasanton CA, 94566	Project Manager:Afsaneh Salimpour	07/07/04 14:35

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P406395-01) Water Sampled: 06/16/04 18:10 Received: 06/22/04 10:20									
Chemical Oxygen Demand	ND	20	mg/l	1	4060630	06/29/04	06/29/04	EPA 410.4	

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project:BP	P406395
1220 Quarry Lane	Project Number:2004-06-0658	**Reported:**
Pleasanton CA, 94566	Project Manager:Afsaneh Salimpour	07/07/04 14:35

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060630 - General Preparation										
Blank (4060630-BLK1)				Prepared & Analyzed: 06/29/04						
Chemical Oxygen Demand	ND	20	mg/l							
Laboratory Control Sample (4060630-BS1)				Prepared & Analyzed: 06/29/04						
Chemical Oxygen Demand	244	20	mg/l	250		98	80-120			
Matrix Spike (4060630-MS1)	**Source: P406451-03**			Prepared & Analyzed: 06/29/04						
Chemical Oxygen Demand	467	40	mg/l	500	13	91	75-125			
Matrix Spike Dup (4060630-MSD1)	**Source: P406451-03**			Prepared & Analyzed: 06/29/04						
Chemical Oxygen Demand	471	40	mg/l	500	13	92	75-125	0.9	20	

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project:BP	P406395
1220 Quarry Lane	Project Number:2004-06-0658	**Reported:**
Pleasanton CA, 94566	Project Manager:Afsaneh Salimpour	07/07/04 14:35

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

SEVERN TRENT **STL**

P406395

Chain of Custody

Date Shipped: 6/21/2004

2004-06-0658 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project Manager:	Afsaneh Salimpour		
Phone: (925) 484-1919	Ext: 107		
Fax:	(925) 484-1096		
Email:	asalimpour@stl-inc.com		

To:

Sequoia Analytical Petaluma
1455 N. McDowell Blvd., North Ste. D
Petaluma, CA 94954

Phone:	(707) 792-1865	Ext:	
Fax:	(707) 792-0342		
Contact:	Sample Receiving		
Phone:	(707) 792-1865	Ext:	

CL Submission #: 2004-06-0658
CL PO #:

Project #: 38486314.0L041
Project Name: 608

Client Sample ID	CL#	Sampled	Matrix	TAT
Analysis			Method	
EFFL	P406395-01 4	6/16/2004 6:10:00PM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 4.1 °c

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 14:30	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 6/21/04	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 1020	Signature: Time:	Signature: Time:
Printed Name: Date: 6-22	Printed Name: Date:	Printed Name: Date:
Company: SEQUOIA	Company:	Company:

SEVERN TRENT STL

Submission#: 2004-06-0658

URS-Oakland, CA

June 25, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38486314.0L041
Project: 608
Site: 18501 Hesperian Blvd, San Lorenzo, CA

Attached is our report for your samples received on 06/18/2004 19:20
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 08/02/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

URS-Oakland, CA

June 25, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38486314.0L041
Project: 608
Site: 18501 Hesperian Blvd, San Lorenzo, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Friday, June 18, 2004 7:20 PM.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200406222C66

INFL 2004060658 001

Compound Flag(s)

g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

SEVERN TRENT STL

Submission #: 2004-06-0658

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	06/16/2004 18:10	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	EFFL	Lab ID:	2004-06-0658 - 4
Sampled:	06/16/2004 18:10	Extracted:	6/22/2004 08:05
Matrix:	Water	QC Batch#:	2004/06/22-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	06/23/2004 06:17	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2 — Test(s): 160.2

Method Blank — **Water** — **QC Batch # 2004/06/22-01.29**

MB: 2004/06/22-01.29-001 — Date Extracted: 06/22/2004 08:05

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	06/23/2004 06:14	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2 Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2004/06/22-01.29**

LCS 2004/06/22-01.29-002 Extracted: 06/22/2004 Analyzed: 06/23/2004 06:16
LCSD 2004/06/22-01.29-003 Extracted: 06/22/2004 Analyzed: 06/23/2004 06:17

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	885	890	1000	88.5	89.0	0.6	80-120	20		

SEVERN TRENT STL

Submission #: 2004-06-0658

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	06/16/2004 18:25	Water	1
MID-1	06/16/2004 18:20	Water	2
MID-2	06/16/2004 18:15	Water	3
EFFL	06/16/2004 18:10	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INFL	Lab ID:	2004-06-0658 - 1
Sampled:	06/16/2004 18:25	Extracted:	6/22/2004 23:45
Matrix:	Water	QC Batch#:	2004/06/22-2C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	63	50	ug/L	1.00	06/22/2004 23:45	g
Benzene	ND	0.50	ug/L	1.00	06/22/2004 23:45	
Toluene	ND	0.50	ug/L	1.00	06/22/2004 23:45	
Ethylbenzene	ND	0.50	ug/L	1.00	06/22/2004 23:45	
Total xylenes	ND	1.0	ug/L	1.00	06/22/2004 23:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/22/2004 23:45	
Methyl tert-butyl ether (MTBE)	20	0.50	ug/L	1.00	06/22/2004 23:45	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/22/2004 23:45	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/22/2004 23:45	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/22/2004 23:45	
Surrogate(s)						
1,2-Dichloroethane-d4	98.5	72-128	%	1.00	06/22/2004 23:45	
Toluene-d8	94.7	80-113	%	1.00	06/22/2004 23:45	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID-1	Lab ID:	2004-06-0658 - 2
Sampled:	06/16/2004 18:20	Extracted:	6/23/2004 00:09
Matrix:	Water	QC Batch#:	2004/06/22-2C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/23/2004 00:09	
Benzene	ND	0.50	ug/L	1.00	06/23/2004 00:09	
Toluene	ND	0.50	ug/L	1.00	06/23/2004 00:09	
Ethylbenzene	ND	0.50	ug/L	1.00	06/23/2004 00:09	
Total xylenes	ND	1.0	ug/L	1.00	06/23/2004 00:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/23/2004 00:09	
Methyl tert-butyl ether (MTBE)	1.8	0.50	ug/L	1.00	06/23/2004 00:09	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/23/2004 00:09	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/23/2004 00:09	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/23/2004 00:09	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	72-128	%	1.00	06/23/2004 00:09	
Toluene-d8	96.4	80-113	%	1.00	06/23/2004 00:09	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-2**	Lab ID:	2004-06-0658 - 3
Sampled:	06/16/2004 18:15	Extracted:	6/23/2004 00:33
Matrix:	Water	QC Batch#:	2004/06/22-2C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/23/2004 00:33	
Benzene	ND	0.50	ug/L	1.00	06/23/2004 00:33	
Toluene	ND	0.50	ug/L	1.00	06/23/2004 00:33	
Ethylbenzene	ND	0.50	ug/L	1.00	06/23/2004 00:33	
Total xylenes	ND	1.0	ug/L	1.00	06/23/2004 00:33	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/23/2004 00:33	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/23/2004 00:33	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/23/2004 00:33	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/23/2004 00:33	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/23/2004 00:33	
Surrogate(s)						
1,2-Dichloroethane-d4	97.1	72-128	%	1.00	06/23/2004 00:33	
Toluene-d8	92.8	80-113	%	1.00	06/23/2004 00:33	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s): 5030B
Sample ID: EFFL
Sampled: 06/16/2004 18:10
Matrix: Water

Test(s): 8260B
Lab ID: 2004-06-0658 - 4
Extracted: 6/23/2004 00:57
QC Batch#: 2004/06/22-2C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/23/2004 00:57	
Benzene	ND	0.50	ug/L	1.00	06/23/2004 00:57	
Toluene	ND	0.50	ug/L	1.00	06/23/2004 00:57	
Ethylbenzene	ND	0.50	ug/L	1.00	06/23/2004 00:57	
Total xylenes	ND	1.0	ug/L	1.00	06/23/2004 00:57	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/23/2004 00:57	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/23/2004 00:57	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/23/2004 00:57	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/23/2004 00:57	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/23/2004 00:57	
Surrogate(s)						
1,2-Dichloroethane-d4	100.4	72-128	%	1.00	06/23/2004 00:57	
Toluene-d8	95.6	80-113	%	1.00	06/23/2004 00:57	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Water — Test(s): 8260B

Method Blank — **QC Batch # 2004/06/22-2C.66**

MB: 2004/06/22-2C.66-015 — Date Extracted: 06/22/2004 19:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/22/2004 19:15	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/22/2004 19:15	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/22/2004 19:15	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/22/2004 19:15	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/22/2004 19:15	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/22/2004 19:15	
Benzene	ND	0.5	ug/L	06/22/2004 19:15	
Toluene	ND	0.5	ug/L	06/22/2004 19:15	
Ethylbenzene	ND	0.5	ug/L	06/22/2004 19:15	
Total xylenes	ND	1.0	ug/L	06/22/2004 19:15	
Surrogates(s)					
1,2-Dichloroethane-d4	97.0	72-128	%	06/22/2004 19:15	
Toluene-d8	96.8	80-113	%	06/22/2004 19:15	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2004/06/22-2C.66**

LCS 2004/06/22-2C.66-027 Extracted: 06/22/2004 Analyzed: 06/22/2004 18:27

LCSD 2004/06/22-2C.66-051 Extracted: 06/22/2004 Analyzed: 06/22/2004 18:51

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	28.5	28.7	25	114.0	114.8	0.7	65-165	20		
Benzene	29.1	28.7	25	116.4	114.8	1.4	69-129	20		
Toluene	27.5	26.3	25	110.0	105.2	4.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	457	463	500	91.4	92.6		72-128			
Toluene-d8	494	476	500	98.8	95.2		80-113			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 06/18/2004 19:20

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

SEVERN TRENT STL

Chain of Custody

Date Shipped: 6/21/2004

2004-06-0658 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project Manager: Afsaneh Salimpour
Phone: (925) 484-1919 Ext: 107
Fax: (925) 484-1096
Email: asalimpour@stl-inc.com

To:

Sequoia Analytical Petaluma
1455 N. McDowell Blvd., North Ste. D
Petaluma, CA 94954

Phone: (707) 792-1865 Ext:
Fax: (707) 792-0342
Contact: Sample Receiving
Phone: (707) 792-1865 Ext:

CL Submission #: 2004-06-0658
CL PO #:

Project #: 38486314.0L041
Project Name: 608

Client Sample ID / Analysis	CL #	Sampled	Matrix / Method	TAT
EFFL	4	6/16/2004 6:10:00PM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature / Time	Signature / Time	Signature / Time
Printed Name / Date	Printed Name / Date	Printed Name / Date
Company	Company	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature / Time	Signature / Time	Signature / Time
Printed Name / Date	Printed Name / Date	Printed Name / Date
Company	Company	Company

2004-06-0658

87070

bp

Chain of Custody Record

Project Name Station 608 -18501 Hesparian Blvd, San Lorenzo, CA
Business Unit Atlantic Richfield Company/Northern CA Portfolio
BP Laboratory Contract Number: 4 6 1 0 0 0
Requested Due Date: 6/30/04
(mm/dd/yy - 2 weeks from sampling date)

Date: 6/16/04

On-site Time: 1800	Temp: 87		
Off-site Time: 1900	Temp: 90		
Sky Conditions: Sunny			
Meteorological Events: None			
Wind Speed: n/a	Direction: n/a		

Send To:		
Lab Name: STL - SF	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Address: 1220 Quarry Lane	BP/GEM Facility Address: 18501 Hesparian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Pleasanton, CA 94566	Site ID No. Station 608	Oakland, CA 94607
	California Global ID #:T0600101665	e-mail EDD: Scott_Robinson@URSCorp.com
	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486314.01.041
Lab PM: Afsaneh Salimpour	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Tele/Fax: 925.484.1919/925.484.1096	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
Report Type & QC Level: Normal		Invoice to: Atlantic Richfield Company
BP/GEM Account No.:		BP/GEM Work Release No:
Lab Bottle Order No:		

Item No.	Field Point ID	Sample ID	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analysis: GRO (8260)	BTEX (8260)	MTBE (8260)	COD	TSS	Fuel Oxy. (8260)					Sample Point Lat/Long and Comments
1	INFL	INFL	1825		X				3				X			X	X	X			X					
2	MID-1	MID-1	1820		X				3				X			X	X	X			X					
3	MID-2	MID-2	1815		X				3				X			X	X	X			X					
4	EFFL	EFFL	1810		X				7	X	X		X			X	X	X	X	X	X					
5																										
6																										
7																										
8																										
9																										
10																										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: George Bradman	[signature]	6/17/04	1420	[signature] STL-SAC	6/17/04	1420
Sampler's Company: URS Oakland	[signature]	6/18/04	1415	[signature]	6/18/04	1415
Shipment Date: 6/17/04	[signature]	6/18/04	1920			
Shipment Method: Hand Deliver				Denise Harrington	6/18/04	1920
Shipment Tracking No: n/A						

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H2SO4). TSS = Total Suspended Solids (1 Liter poly unpreserved)

Custody Seals In Place Yes ___ No x   Temperature Blank Yes ___ No x   Cooler Temperature on Receipt 3 °F/C (C circled)   Trip Blank Yes ___ No x

ATTACHMENT C

HISTORICAL GROUNDWATER DATA TABLES

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0608
17501 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-5	††	03/13,14/96		33.99	9.75	24.24	1,600	30	<10	13	<10	NA	NM
		05/28,29/96			11.48	22.51	240	2.4	<0.50	<0.50	<0.50	NA	NM
		08/28/96			12.58	21.41	250	210	8.0	<1.0	<1.0	210	NM
		11/25,26/96			12.07	21.92	<500	<5.0	<5.0	<5.0	<5.0	280	NM
		03/31/97	†		12.42	21.57	<50	<0.50	<0.50	<0.50	<0.50	41	NM
		06/25/97			12.64	21.35	NS	NS	NS	NS	NS	NS	NM
		09/09,10/97			12.75	21.24	<50	<0.50	<0.50	<0.50	<0.50	19	NM
		11/24,25/97			12.60	21.39	<50	0.9	<0.50	<0.50	<0.50	23	1.4
		03/19,20/98			10.43	23.56	61	1.0	0.56	0.55	<0.50	75	1.2
		06/04/98			11.24	22.76	150	<0.30	<0.30	0.32	0.74	20	1.4
		09/21,22/98			12.45	21.54	110	0.69	<0.50	<0.50	<0.50	25	1.8
		12/14,15/98			11.85	22.14	<200	<2.0	<2.0	<2.0	<2.0	600	1.2
		03/15,16/99			11.06	22.94	50.9	<0.50	<0.50	<0.50	<0.50	211	1.0
		06/14,15/99			12.26	21.74	211	<0.50	<0.50	<0.50	<0.50	212	1.2
		09/15,16/99			12.70	21.29	139	<0.50	<0.50	<0.50	<0.50	184	2.4
		12/08,09/99			12.56	21.43	87.4	<0.50	<0.50	<0.50	<0.50	197	1.2
		03/15/00			10.10	23.89	82.4	<0.50	0.710	<0.50	0.579	906	1.2
		03/15/00	a		–	–	–	–	–	–	–	1,230	–
		06/13/00	b		12.44	21.55	96.7	<0.50	<0.50	<0.50	<0.50	551	2.0
		9/19,20/00			12.45	21.54	<50.0	<0.50	<0.50	<0.50	<0.50	51	2.2
		12/14,15/00			12.03	21.96	152.0	1.33	0.56	<0.50	<0.50	<2.50	1.0
		3/8,9/01			10.81	23.18	<50.0	<0.50	<0.50	<0.50	<0.50	73.8	1.6
		06/14/01			12.25	21.74	<50.0	<0.50	<0.50	<0.50	<0.50	47.0	1.8
		09/26/01			12.83	21.16	<50.0	<0.50	<0.50	<0.50	<0.50	270.0	2.0
		12/29/01			10.97	23.02	<50.0	<0.50	<0.50	<0.50	0.95	370.0	2.4
		03/13/02			11.46	22.53	530	<2.5	<2.5	<2.5	<2.5	1100	3.00
MW-7		03/13,15/96		34.40	9.73	24.67	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28,29/96			11.60	22.80	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28,29/96			12.63	21.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25,26/96			12.10	22.30	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			11.72	22.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			12.98	21.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			12.25	22.15	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		11/24,25/97			12.57	21.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
		03/19,20/98			10.35	24.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
		06/04/98			11.30	23.10	<50	<0.30	<0.30	<0.30	<0.60	<10	0.7
		09/21,22/98			12.48	21.92	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
		12/14,15/98			11.90	22.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
		03/15,16/99			11.10	23.30	<50	<0.50	<0.50	<0.50	<0.50	<	0.0
		06/14,15/99					Removed From Gauging and Sampling Program						
MW-8		03/13,14/96		32.79	8.90	23.89	670	5.1	<2.0	<2.0	<2.0	NA	NM
		05/28,29/96			10.58	22.21	490	<1.0	<1.0	0.91	0.91	NA	NM
		08/28/96			11.30	21.49	580	29	2.1	3.0	2.4	80	NM
		11/25/96			10.80	21.99	620	1.2	2.6	2.9	2.0	46	NM
		03/31-04/01/97			10.76	22.03	530	<1.0	1.7	2.0	3.8	380	NM
		06/25/97			11.65	21.14	480	6.7	0.69	0.8	0.71	88	NM
		09/09,10/97			11.67	21.12	570	57	<1.0	2.1	1.7	57	2.0
		09/09,10/97	a		–	–	–	–	–	–	–	48	–
		11/24,25/97			11.50	21.29	530	3.0	1.7	1.9	1.5	26	2.0
		03/19,20/98			9.40	23.39	440	1.4	<0.50	<0.50	3.7	140	2.2
		06/03/98			10.25	22.54	360	2.2	1.2	1.8	1.0	47	0.3
		09/21,22/98			11.37	21.42	380	<2.5	<2.5	<2.5	<2.5	620	0.0
		12/14,15/98			10.80	21.99	<50	<0.50	<0.50	<0.50	<0.50	1,600	0.0
		03/15,16/99			10.00	22.79	<500	<5.0	<5.0	<5.0	<5.0	625	0.0
		06/14,15/99			11.17	21.62	166	<0.50	<0.50	<0.50	<0.50	141	NM
		09/15,16/99			11.65	21.14	<500	<5.0	<5.0	<5.0	<5.0	2,380	2.4
		12/08,09/99			11.48	21.31	213	<0.50	<0.50	<0.50	<0.50	4,160	2.8
		03/15/00			9.38	23.41	133	<0.50	3.44	<0.50	0.548	1,350	2.2
		03/15/00	a		–	–	–	–	–	–	–	1,980	–
		06/13/00	b		11.93	20.86	227	<0.50	<0.50	<0.50	<0.50	657	1.0
		9/19,20/2000			11.46	21.33	191	1.7	3.2	<0.50	1.2	160	1.0
		12/14,15/00			10.97	21.82	243	<0.50	<0.50	<0.50	<0.50	243	2.0
		3/8,9/01			9.80	22.99	144	<0.50	<0.50	<0.50	<0.50	188	3.0
		06/14/01			11.22	21.57	150	3.2	0.75	<0.50	1.0	230	3.4
		09/26/01			10.80	21.99	140	<0.50	0.58	<0.50	1.9	170	0.6
		12/29/01			9.85	22.94	<50.0	<0.50	<0.50	<0.50	<0.50	560	4.2
		03/13/02			10.30	22.49	500	<2.5	<2.5	<2.5	<2.5	1,100	2.0

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0606
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-9		03/13,15/96		32.11	7.65	24.46	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			9.67	22.44	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28,29/96			10.78	21.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			10.24	21.87	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			9.95	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			10.85	21.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			10.87	21.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		11/24,25/97			10.70	21.41	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		03/19,20/98			8.63	23.48	<50	<0.50	<0.50	<0.50	<0.50	56	4.8
		06/04/98			9.35	22.76	<50	<0.30	<0.30	<0.30	<0.60	<10	2.0
		09/21,22/98			10.55	21.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/14,15/98			9.98	22.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
		03/15,16/99			9.10	23.01	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.0
		06/14,15/99			10.32	21.79	<50	<0.50	<0.50	<0.50	<0.50	3.27	2.2
		09/15,16/99			10.83	21.28	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.2
		12/08,09/99			10.70	21.41	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6
		03/15/00			8.58	23.53	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		06/13/00	b		10.48	21.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		9/19,20/00			10.53	21.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		12/14,15/00			10.35	21.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		3/8,9/01			9.05	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		06/14/01			10.33	21.78	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		09/26/01			10.82	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/29/01			8.82	23.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		03/13/02			9.49	22.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
MW-10	††	03/13,14/96		31.67	7.78	23.89	870	35	<5.0	5.2	7.0	NA	NM
		05/29/96			10.00	21.67	800	<1.0	<1.0	<1.0	<1.0	NA	NM
		08/28/96			10.93	20.74	NS	NS	NS	NS	NS	NS	NM
		11/25,26/96			10.45	21.22	1,100	6.0	4.9	3.8	9.5	200	NM
		03/31/97	†		10.15	21.52	160	<0.50	<0.50	<0.50	<0.50	140	NM
		06/25/97			10.99	20.68	800	4.2	1.4	1.5	1.4	170	NM
		09/09,10/97			11.08	20.59	950	<1.2	3.3	2.5	3.7	240	2.0
		09/09,10/97	a		–	–	–	–	–	–	–	210	–
		11/24,25/97			10.85	20.82	920	5.7	6.7	<5.0	<5.0	160	2.4
		11/24,25/97			–	–	–	–	–	–	–	160	–
		03/19/98			8.78	22.89	330	1.7	<0.50	<0.50	<0.50	130	1.0
		06/04/98			9.59	22.08	680	<0.30	4.8	2.3	8.6	79	0.0
		09/21,22/98			10.77	20.90	650	<0.50	<0.50	3.5	1.3	99	0.0
		12/14/98			10.18	21.49	828	<1.0	<1.0	3.39	<1.0	152	0.4
		03/15,16/99			9.30	22.37	910	17.6	1.3	5.24	<1.0	268	0.0
		06/14,15/99			10.57	21.10	643	<0.50	0.761	1.13	1.36	232	NM
		09/15,16/99			11.03	20.64	655	<1.25	1.26	<1.25	<1.25	315	5.8
		12/08,09/99			10.88	20.79	898	5.7	1.29	<1.0	<1.0	236	5.6
		03/15/00			8.68	22.99	459	<1.0	<1.0	<1.0	<1.0	266	2.2
		03/15/00	a		–	–	–	–	–	–	–	342	–
		06/13/00	b		10.85	20.82	617	6.82	2.77	3.07	1.92	437	1.0
		9/19,20/00			10.70	20.97	527	<0.50	0.86	0.99	1.19	413	2.2
		12/14,15/00			10.35	21.32	456	10.50	1.01	0.60	<0.50	145	4.0
		3/8,9/01			9.12	22.55	509	<0.50	21.90	3.16	3.55	161	3.2
		06/14/01			10.55	21.12	710	9.20	2.60	<0.50	1.50	290	3.0
		09/26/01			10.98	20.69	580	<0.50	1.60	1.50	1.60	250	2.6
		12/29/01			9.06	22.61	410	<0.50	6.70	2.50	2.90	950	3.2
		03/13/02			9.68	21.99	680	<5.0	<5.0	<5.0	<5.0	570	3.2
MW-11		03/13,14/96		32.54	8.80	23.94	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			10.55	21.99	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			11.52	21.02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			11.00	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			10.88	21.66	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			11.65	20.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			11.75	20.79	80	<0.50	<0.50	<0.50	0.65	<2.5	2.0
		11/24,25/97			11.50	21.04	<50	<0.50	<0.50	<0.50	<0.50	3.8	2.4
		03/19/98			9.43	23.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		06/03/98			10.27	22.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8
		09/21,22/98			11.43	21.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		12/14/98			10.85	21.69	<50	<0.50	<0.50	<0.50	<0.50	<2.0	1.4
		03/15,16/99			10.05	22.49	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.2

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-11 (cont.)		06/14,15/99			11.25	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
		09/15/99			11.68	20.86	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.4
		12/08,09/99			11.53	21.01	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
		03/15/00			9.32	23.22	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.7
		06/13/00	b		11.05	21.49	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		9/19,20/00			11.37	21.17	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		3/8,9/01			11.00	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		3/8,9/01			9.78	22.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		06/14/01			11.23	21.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
		09/26/01			11.70	20.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
		12/29/01			9.91	22.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
		03/13/02			10.38	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
E-1A (MW-12)	††	03/13,14/96		33.06	10.35	22.71	2,700	38	<5.0	130	6.2	NA	NM
		05/28,29/96			11.50	21.56	1,400	410	18	55	5.5	NA	NM
		08/28/96			11.70	21.36	NS	NS	NS	NS	NS	NS	NM
		11/25,26/96			11.18	21.88	4,300	13	<5.0	100	20	220	NM
		03/31/97	†		12.65	20.41	1,900	7.9	<2.0	62	3.5	140	NM
		06/25/97			11.82	21.24	4,800	21	<5.0	53	6.8	160	NM
		09/09,10/97			11.85	21.21	3,200	9.0	<5.0	45	<5.0	85	2.0
		09/09,10/97	a		--	--	--	--	--	--	--	70	--
		11/24,25/97			11.75	21.31	2,000	10	<2.5	42	2.8	65	1.0
		03/19,20/98			9.65	23.41	11,000	1,300	<0.50	550	380	220	6.2
		06/04/98	b		10.47	22.59	4,500	3.3	0.92	41	4.0	51	1.5
		09/21,22/98			11.60	21.46	3,300	1.7	<0.50	29	3.6	52	1.8
		12/14,15/98			11.10	21.96	3,100	21	6.7	28	<5.0	140	1.0
		03/15,16/99			10.26	22.81	3,900	24.5	<20	41.2	<20	296	1.0
		06/14,15/99			11.47	21.59	5,090	<5.0	<5.0	6.01	<5.0	234	1.4
		09/15,16/99			11.90	21.16	2,200	7.93	<5.0	10.50	<5.0	142	3.2
		12/08,09/99			11.75	21.31	1,490	6.57	1.36	9.21	<1.25	364	NM
		03/15/00			9.52	23.54	4,430	26.1	<10.0	16.3	<10.0	786	1.8
		03/15/00	a		--	--	--	--	--	--	--	908	--
		06/13/00	b		22.31	10.75	262	9.52	0.584	0.535	<0.5	534	3.4
		9/19,20/00			23.15	9.91	143	1.01	<0.50	<0.50	<0.50	76	2.8
		12/14,15/00			NA	NA	181	<0.50	<0.50	0.789	<0.50	100	1.4
		3/8,9/01			23.80	9.26	370	1.78	<0.50	0.765	<0.50	76	1.6
		06/14/01			21.10	11.96	180	<0.50	<0.50	0.54	<0.50	100	2.6
		09/26/01			19.95	13.11	<50.0	<0.50	<0.50	<0.50	<0.50	210	1.8
		12/29/01			22.40	10.66	<50.0	<0.50	<0.50	<0.50	<0.50	190	2.0
		03/13/02			21.75	11.31	200	<0.50	<0.50	<0.50	<0.50	310	3.4
MW-13		03/13,15/96		35.42	10.90	24.52	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28,29/96			12.90	22.52	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			13.89	21.53	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			13.41	22.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			13.11	22.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			13.98	21.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			14.09	21.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		11/24,25/97			13.90	21.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		03/19,20/98			11.80	23.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
		06/04/98			12.63	22.79	<50	<0.30	<0.30	<0.30	<0.60	<10	1.3
		09/21,22/98			13.77	21.65	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/14,15/98			13.28	22.14	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		03/15,16/99	b		12.48	22.94	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.2
		06/14,15/99			Removed From Gauging and Sampling Program								
MW-14		03/13,15/96		30.46	6.63	23.83	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			8.83	21.63	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			9.83	20.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			9.33	21.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			9.04	21.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			9.94	20.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			10.08	20.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		11/24,25/97			9.78	20.68	<50	<0.50	<0.50	<0.50	<0.60	2.9	2.6
		03/19/98			7.92	22.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		06/03/98			8.52	21.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.1
		09/21,22/98			9.72	20.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.8
		12/14/98			9.15	21.31	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.8
		03/15,16/99			8.20	22.26	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number	Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-14	06/14,15/99			9.54	20.92	Well Sampled Annually						
(cont.)	09/15/99			9.96	20.48	Well Sampled Annually						
	12/08,09/99			9.84	20.62	Well Sampled Annually						
	03/15/00			7.78	22.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
	06/13/00	b		9.45	21.01	Well Sampled Annually						
	9/19,20/00			9.68	20.78	Well Sampled Annually						
	12/14,15/00			9.14	21.32	Well Sampled Annually						
	3/8,9/01			8.10	22.36	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	06/14/01			9.51	20.95	Well Sampled Annually						
	09/26/01			9.96	20.50	Well Sampled Annually						
	12/29/01			7.62	22.84	Well Sampled Annually						
	03/13/02			8.56	21.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
MW-15	03/13,15/96		31.41	8.13	23.28	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96			10.30	21.11	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96			11.30	20.11	<50	<0.50	<0.50	<0.50	<0.50	5.3	NM
	11/25/96			10.83	20.58	<50	<0.50	<0.50	<0.50	<0.50	12	NM
	03/31-04/01/97			10.45	20.96	<50	<0.50	<0.50	<0.50	<0.50	7.2	NM
	06/25/97			11.39	20.02	<50	<0.50	<0.50	<0.50	<0.50	7.0	NM
	09/09,10/97			11.50	19.91	Well Inaccessible						
	11/24,25/97					Well Inaccessible						
	03/19/98			9.15	22.26	<50	<0.50	<0.50	<0.50	<0.50	5.3	2.2
	06/04/98			NM		Well Inaccessible						
	09/21,22/98			NM		Well Inaccessible						
	12/14/98			10.63	20.78	<50	<0.50	<0.50	<0.50	<0.50	48.2	1.8
	03/15,16/99			NM		Well Inaccessible						
	06/14,15/99			NM		Well Inaccessible						
	09/15, 16/99			NM		Well Inaccessible						
	12/08,09/99			11.28	20.13	<50	<0.5	<0.5	<0.5	<0.5	167.0	NM
	03/15/00			9.03	22.38	<50	<0.5	<0.5	<0.5	<0.5	82.1	1.5
	03/15/00	a		--	--	--	--	--	--	--	105	--
	06/13/00	b		10.96	20.45	<50	<0.5	0.703	<0.5	0.870	69.8	2.0
	9/19,20/00			11.10	20.31	<50	<0.5	<0.5	<0.5	<0.5	156.0	2.2
	12/14,15/00			NM	NA	Well Inaccessible						
	3/8,9/01			9.48	21.93	<50	<0.5	<0.5	<0.5	<0.5	63.8	2.5
	06/14/01			10.95	20.46	<50	<0.5	<0.5	<0.5	<0.5	26.0	3.0
	09/26/01			11.38	20.03	<50	<0.5	<0.5	<0.5	<0.5	17.0	1.2
	12/29/01			9.41	22.00	<50	<0.5	<0.5	<0.5	<0.5	30.0	2.2
	03/13/02			10.03	21.38	<50	<0.5	<0.5	<0.5	<0.5	21.0	1.2
MW-16	03/13/96		31.39	8.62	22.77	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			10.90	20.49	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96			11.84	19.55	<50	<0.50	<0.50	<0.50	<0.50	89	NM
	11/26/96			11.32	20.07	<50	<0.50	<0.50	<0.50	<0.50	68	NM
	03/31-04/01/97			11.06	20.33	<50	<0.50	<0.50	<0.50	<0.50	49	NM
	06/25/97			11.92	19.47	<50	<0.50	<0.50	<0.50	<0.50	59	NM
	09/09,10/97			12.03	19.36	<50	<0.50	<0.50	<0.50	<0.50	53	3.0
	09/09,10/97	a		--	--	--	--	--	--	--	86	--
	11/24,25/97			11.76	19.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	03/19/98			9.80	21.59	<50	<0.50	<0.50	<0.50	<0.50	8.4	3.0
	06/03/98			10.55	20.84	<50	<0.50	<0.50	<0.50	<0.50	22	1.8
	09/21,22/98			11.77	19.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.2
	12/14/98			11.20	20.19	<50	<0.50	<0.50	<0.50	<0.50	25	1.0
	03/15,16/99			10.30	21.09	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.6
	06/14,15/99			11.55	19.84	<50	<0.50	<0.50	<0.50	<0.50	3.13	3.4
	09/15/99			11.99	19.40	<50	<0.50	<0.50	<0.50	<0.50	8.70	3.8
	12/08,09/99			11.80	19.59	<50	<0.50	<0.50	<0.50	<0.50	19.1	2.4
	03/15/00			9.55	21.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/13/00	b		11.64	19.75	<50	<0.50	0.517	<0.50	0.603	6.29	1.0
	9/19,20/00			11.64	19.75	<50	<0.50	<0.50	<0.50	<0.50	5.01	2.0
	12/14,15/00			11.25	20.14	<50	<0.50	<0.50	<0.50	<0.50	6.14	2.0
	3/8,9/01			10.01	21.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/14/01			11.47	19.92	<50	<0.50	<0.50	<0.50	<0.50	2.5	2.6
	09/26/01			11.93	19.46	<50	<0.50	<0.50	<0.50	<0.50	3.8	1.8
	12/28/01			9.71	21.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/13/02			10.51	20.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
MW-17				Well Destroyed								
MW-18	03/13/96		28.70	7.53	22.17	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			9.88	18.82	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96			10.82	18.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96			10.18	19.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number	Date Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-18	03/31-04/01/97		10.14	19.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
(cont.)	06/25/97		10.94	18.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		11.00	18.70	<50	<0.50	<0.50	<0.50	<0.50	<2.5	4.0
	11/24,25/97		10.65	19.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
	03/19/98		8.95	20.75	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	06/03/98		9.57	20.13	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8
	09/21,22/98		10.80	18.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	12/14/98		10.18	19.52	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.6
	03/15,16/99		9.20	20.50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	06/14,15/99		10.60	19.10	Well Sampled Annually						
	09/15/99		10.96	18.74	Well Sampled Annually						
	12/08,09/99		10.79	18.91	Well Sampled Annually						
	03/15/00		8.80	20.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/13/00 b		10.60	19.10	Well Sampled Annually						
	9/19,20/00		10.63	19.07	Well Sampled Annually						
	12/14,15/00		10.39	19.31	Well Sampled Annually						
	3/8,9/01		9.03	20.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
	06/14/01		10.40	19.30	Well Sampled Annually						
	09/26/01		10.91	18.79	Well Sampled Annually						
	12/29/01		8.24	21.46	Well Sampled Annually						
	03/13/02		9.46	20.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
MW-19	03/13/96	29.02	7.06	21.96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		9.42	19.60	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.33	18.69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		9.67	19.35	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		9.65	19.37	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		10.41	18.61	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		10.47	18.55	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	11/24,25/97		10.35	18.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.8
	03/19/98		8.67	20.35	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/03/98		9.15	19.87	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2
	09/21,22/98		10.28	18.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	12/14/98		9.70	19.32	<50	<0.50	<0.50	0.588	0.647	<2.0	2.4
	03/15,16/99		Well Inaccessible								
	06/14,15/99	*	Removed From Gauging and Sampling Program								
MW-20			Well Destroyed								
MW-21	03/13/96	28.72	7.58	21.14	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96		9.85	18.87	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.75	17.97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.00	18.72	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		10.03	18.69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		10.83	17.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		10.90	17.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	11/24,25/97		10.50	18.22	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	03/19/98		9.08	19.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.08
	06/03/98		9.57	19.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.6
	09/21,22/98		10.75	17.97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	12/14/98		10.11	18.61	<50	<0.50	<0.50	<0.50	<0.50	<2.0	0.5
	03/15,16/99		9.10	19.62	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	06/14,15/99		10.58	18.14	Well Sampled Annually						
	09/15/99		10.93	17.79	Well Sampled Annually						
	12/08,09/99		10.70	18.02	Well Sampled Annually						
	03/15/00		8.95	19.77	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.3
	06/13/00 b		10.97	17.75	Well Sampled Annually						
	9/19,20/00		10.66	18.06	Well Sampled Annually						
	12/14,15/00		10.30	18.42	Well Sampled Annually						
	3/8,9/01		9.00	19.72	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	06/14/01		10.40	18.32	Well Sampled Annually						
	09/26/01		10.75	17.97	Well Sampled Annually						
	12/29/01		7.86	20.86	Well Sampled Annually						
	03/13/02		9.40	19.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.2
MW-22	03/13/96	29.29	7.83	21.46	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		10.33	18.96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.28	18.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.61	18.68	<50	<0.50	<0.50	<0.50	<0.50	3.0	NM
	12/30/96		10.61	18.68	NA	NA	NA	NA	NA	3.3	NM
	03/31-04/01/97		10.56	18.73	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		11.51	17.78	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		11.45	17.84	<50	<0.50	<0.50	<0.50	<0.50	3.4	1.0
	11/24,25/97		11.08	18.21	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
	03/19/98		9.40	19.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	06/03/98		10.00	19.29	<50	<0.50	<0.50	<0.50	<0.50	0.87	3.2
	09/21,22/98		11.27	18.02	<50	<0.50	<0.50	<0.50	<0.50	2.1	2.8
	12/14/98		10.65	18.64	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.4
	03/15,16/99		9.67	19.62	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	06/14,15/99		11.06	18.23	<50	<0.50	<0.50	<0.50	<0.50	5.05	1.0
	09/15/99 a		11.46	17.83	<50	<0.50	<0.50	<0.50	<0.50	49.2	1.2
	12/08,09/99		11.25	18.04	<50	<0.50	<0.50	<0.50	<0.50	17.9	1.4

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number	Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-22	03/15/00			9.20	20.09	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.1
(cont.)	06/13/00	b		11.06	18.23	<50	<0.50	<0.50	<0.50	<0.50	6.85	1.0
	9/19,20/00			11.12	18.17	<50	<0.50	<0.50	<0.50	<0.50	3.18	1.8
	12/14,15/00			10.85	18.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	3/8,9/01			9.43	19.86	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
	06/14/01			10.98	18.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	09/26/01			11.41	17.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
	12/29/01			8.78	20.51	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/13/02			9.86	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
MW-23	03/13/96		30.99	9.13	21.86	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			11.37	19.62	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96			12.31	18.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96			11.76	19.23	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97			11.56	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97			12.39	18.60	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97			12.53	18.46	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	11/24,25/97			12.13	18.86	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	03/19/98			10.22	20.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
	06/03/98			11.03	19.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3
	09/21,22/98			12.31	18.68	<50	<0.50	0.54	1.9	<0.50	<2.5	2.2
	12/14/98			11.67	19.32	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.0
	03/15,16/99			10.82	20.17	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6
	06/14,15/99			12.08	18.91	Well Sampled Annually						
	09/15/99			12.48	18.51	Well Sampled Annually						
	12/08,09/99			12.29	18.70	Well Sampled Annually						
	03/15/00			10.04	20.95	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	06/13/00	b		11.95	19.04	Well Sampled Annually						
	9/19,20/00			12.15	18.84	Well Sampled Annually						
	12/14,15/00			12.25	18.74	Well Sampled Annually						
	3/8,9/01			10.49	20.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	06/14/01			11.97	19.02	Well Sampled Annually						
	09/26/01			12.40	18.59	Well Sampled Annually						
	12/29/01			10.42	20.57	Well Sampled Annually						
	03/13/02			11.01	19.98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
MW-24	03/13,15/96		34.38	10.10	24.28	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			12.25	22.13	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96			13.28	21.10	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96			12.71	21.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97			12.50	21.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97			13.38	21.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97			13.46	20.92	<50	<0.50	<0.50	<0.50	<0.50	<2.5	5.0
	11/24,25/97			13.25	21.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/19,20/98			11.32	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	06/04/98			12.00	22.38	<50	<0.30	<0.30	<0.30	<0.60	<10	0.8
	09/21,22/98			13.13	21.25	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	12/14,15/98			12.53	21.85	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
	03/15,16/99			11.58	22.80	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.0
	06/14,15/99			Removed From Gauging and Sampling Program								
MW-25	03/13,14/96		34.12	9.61	24.51	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96			11.30	22.82	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28,29/96			12.32	21.80	<50	<0.50	<0.50	<0.50	<0.50	51	NM
	11/25/96			11.83	22.29	<50	<0.50	<0.50	<0.50	<0.50	110	NM
	03/31-04/01/97			11.55	22.57	<50	<0.50	<0.50	<0.50	<0.50	39	NM
	06/25/97			14.57	19.55	<50	<0.50	<0.50	<0.50	<0.50	49	NM
	09/09,10/97			12.45	21.67	<50	<0.50	<0.50	<0.50	<0.50	78	1.0
	09/09,10/97	a		--	--	--	--	--	--	--	79	--
	11/24,25/97			12.30	21.82	<50	<0.50	<0.50	<0.50	<0.50	130	0.0
	03/19,20/98			10.18	23.94	<50	<0.50	<0.50	<0.50	<0.50	98	1.8
	06/04/98			11.00	23.12	<50	<0.30	<0.30	<0.30	<0.60	44	0.8
	09/21,22/98			12.13	21.99	<50	<0.50	<0.50	<0.50	<0.50	150	0.4
	12/14,15/98			11.60	22.52	<50	<0.50	<0.50	<0.50	<0.50	44	1.0
	03/15,16/99			10.78	23.34	<50	<0.50	<0.50	<0.50	<0.50	26.6	2.0
	06/14,15/99			11.97	22.15	<50	<0.50	<0.50	<0.50	<0.50	98.9	2.2
	09/15,16/1999			12.34	21.78	<50	<0.50	<0.50	<0.50	<0.50	66.4	NM
	12/08,09/99			12.25	21.87	<50	<0.50	<0.50	<0.50	<0.50	55.5	0.0
	03/15/00			10.16	23.96	<50	<0.50	<0.50	<0.50	<0.50	154	1.0
	03/15/00	a		--	--	--	--	--	--	--	206	--
	06/13/00	b		11.72	22.40	<50	<0.50	<0.50	<0.50	<0.50	77.7	1.0
	9/19,20/00			12.08	22.04	<50	1	<0.50	<0.50	<0.50	192	1.2
	12/14,15/00			11.74	22.38	<50	<0.50	<0.50	<0.50	<0.50	134	4.0
	3/8,9/01			10.53	23.59	<50	<0.50	<0.50	<0.50	<0.50	140	2.8
	06/14/01			11.95	22.17	<50	<0.50	<0.50	<0.50	<0.50	150	2.6
	09/26/01			12.22	21.90	<50	<0.50	<0.50	<0.50	<0.50	84	1.0
	12/29/01	c	33.81	10.32	23.49	73	<0.50	<0.50	1	?	94	2.2
	03/13/02			10.99	22.82	57	<0.50	<0.50	<0.50	<0.50	89	2.6
MW-26	03/13,15/96		33.71	9.38	24.33	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			11.57	22.14	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28,29/96			12.55	21.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96			12.03	21.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97			11.84	21.87	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97			12.94	20.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number	Date Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-26	09/09,10/97		12.77	20.94	<50	<0.50	<0.50	<0.50	<0.50	<2.5	5.0
(cont.)	11/24,25/97		12.55	21.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.6
	03/19,20/98		10.55	23.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	06/04/98		11.22	22.49	<50	<0.30	<0.30	<0.30	<0.60	<10	2.1
	09/21,22/98		12.45	21.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	12/14,15/98		11.83	21.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
	03/15,16/99		10.86	22.85	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	06/14,15/99		12.17	21.54	——— Well Sampled Annually ———						
	09/15/99		12.70	21.01	——— Well Sampled Annually ———						
	12/08,09/99		12.57	21.14	——— Well Sampled Annually ———						
	03/15/00		10.50	23.21	<50	<0.50	<0.50	<0.50	<0.50	6.55	1.4
	06/13/00	b	12.20	21.51	——— Well Sampled Annually ———						
	9/19,20/00		12.38	21.33	——— Well Sampled Annually ———						
	12/14,15/00		11.88	21.83	——— Well Sampled Annually ———						
	3/8,9/01		10.78	22.93	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	06/14/01		12.17	21.54	——— Well Sampled Annually ———						
	09/26/01		12.70	21.01	——— Well Sampled Annually ———						
	12/29/01		10.41	23.30	——— Well Sampled Annually ———						
	03/13/02		11.27	22.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4

MtBE = Methyl tert-butyl ether
MSL = Mean sea level
TOB = Top of box
ppb = Parts per billion
ppm = Parts per million
< = Less than laboratory detection limit
† = Well sampled without purging.
†† = ORC program initiated September 21, 1996 and discontinued on May 15, 1997.

NA = Not analyzed
NM = Not measured
NS = Not sampled
a. = MtBE result confirmed by EPA Method 8260.
b. = Depths to water originally measured from TOC. Depth to water adjusted to reflect a TOB measurement by adding the average difference between TOB and TOC measurements over the last four gauging events.
c. = well elevation changed during station reconstruction, well resurveyed 11/6/2001

Please see certified analytical reports for laboratory notes and definitions.

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)		Dissolved Oxygen (ppm)
590 H	03/14/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	08/29/96 a	NS	NS	NS	NS	NS	NA		NM
	11/26/96	NS	NS	NS	NS	NS	NS		NM
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	06/25/97 a	NS	NS	NS	NS	NS	NS		NM
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.0
	11/24/97 a	NS	NS	NS	NS	NS	NS		NM
	03/19/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5		1.0
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	<0.50		3.8
	09/21/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5		3.2
	12/14/98	<50	<0.50	<0.50	<0.50	<0.50	<2.0		2.2
	03/15/99 a	NS	NS	NS	NS	NS	NS		NM
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	09/15/99 a	NS	NS	NS	NS	NS	NS		NM
	12/08/99 a	NS	NS	NS	NS	NS	NS		NM
	03/15/00 a	NS	NS	NS	NS	NS	NS		NM
	06/13/00 a	NS	NS	NS	NS	NS	NS		NM
			Well Destroyed						
633 H	03/14/96	480	10	11	1.8	140	NA		NM
	05/13/96 b	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	3.70		NM
	12/30/96	–	–	–	–	–	4.9	c	NM
	03/31/97	NS	NS	NS	NS	NS	NS		NM
	06/25/97 a	NS	NS	NS	NS	NS	NS		NM
	09/10/97	<50	<0.50	<0.50	<0.50	0.66	<2.5		1.0
	11/24/97	110	2.0	2.1	1.0	4.2	<2.5	c	NM
	03/19/98	150	1.8	0.62	<0.50	28	77		NM
	03/19/98	–	–	–	–	–	<2.0	c	NM
	06/03/98	480	6.2	4.3	2.9	120	28		1.3
	09/21/98	<50	<0.50	<0.50	<0.50	0.66	<2.5		1.2
	12/14/98	<50	<0.50	<0.50	<0.50	2.21	11.7		NM
	03/15/99	<50	0.513	<0.50	<0.50	0.542	31		NM
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	7.93		NM
	09/15/99	<50	<0.50	<0.50	<0.50	<0.50	5.65		0.0
	12/08/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0		1.4
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	17.5		1.2
	06/13/00	240	5.03	1.01	2.39	63.8	10.5		NM
			Well Destroyed						
634 H	03/13/96 a	NS	NS	NS	NS	NS	NA		NM
	05/27/96 a	NS	NS	NS	NS	NS	NA		NM
	08/29/96 a	NS	NS	NS	NS	NS	NA		NM
	11/26/96	NS	NS	NS	NS	NS	NS		NM
	03/31/97	NS	NS	NS	NS	NS	NS		NM
	06/25/97 a	NS	NS	NS	NS	NS	NS		NM
	09/09/97 g	NS	NS	NS	NS	NS	NS		NM
	11/24/97 g	NS	NS	NS	NS	NS	NS		NM
	03/19/98 e	NS	NS	NS	NS	NS	NS		NM

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
634 H	06/03/98 e	NS	NS	NS	NS	NS	NS	NM
(cont.)	09/21/98 e	NS	NS	NS	NS	NS	NS	NM
	12/14/98 e	NS	NS	NS	NS	NS	NS	NM
	03/15/99 e	NS	NS	NS	NS	NS	NS	NM
	06/14/99 e	NS	NS	NS	NS	NS	NS	NM
	09/15/99 e	NS	NS	NS	NS	NS	NS	NM
	12/08/99 e	NS	NS	NS	NS	NS	NS	NM
	03/15/00 e	NS	NS	NS	NS	NS	NS	NM
	06/13/00 e	NS	NS	NS	NS	NS	NS	NM
	09/19/00 e	NS	NS	NS	NS	NS	NS	NM
	12/14/00 e	NS	NS	NS	NS	NS	NS	NM
	03/08/01 e	NS	NS	NS	NS	NS	NS	NM
	06/14/01 e	NS	NS	NS	NS	NS	NS	NM
	09/26/01 e	NS	NS	NS	NS	NS	NS	NM
	12/29/01 e	NS	NS	NS	NS	NS	NS	NM
	03/13/02 e	NS	NS	NS	NS	NS	NS	NM
642 H	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31/97	NS	NS	NS	NS	NS	NS	NM
	06/25/97	NS	NS	NS	NS	NS	NS	NM
	09/09/97 a	NS	NS	NS	NS	NS	NS	NM
	11/24/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/19/98 a	NS	NS	NS	NS	NS	NS	NM
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NM
	09/21/98 a	NS	NS	NS	NS	NS	NS	NM
	12/14/98 a	NS	NS	NS	NS	NS	NS	NM
	03/15/99 a	NS	NS	NS	NS	NS	NS	NM
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
	09/15/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.2
	12/08/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
	06/13/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/19/00 a	NS	NS	NS	NS	NS	NS	NM
	12/14/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	03/08/01 a	NS	NS	NS	NS	NS	NS	NM
	06/14/01 a	NS	NS	NS	NS	NS	NS	NM
	09/26/01 a	NS	NS	NS	NS	NS	NS	NM
	12/29/01 a	NS	NS	NS	NS	NS	NS	NM
	03/13/02 a	NS	NS	NS	NS	NS	NS	NM
675 H	03/13/96 a	NS	NS	NS	NS	NS	NA	NM
	05/27/96 a	NS	NS	NS	NS	NS	NA	NM
	08/29/96 d	NS	NS	NS	NS	NS	NA	NM
	11/26/96	NS	NS	NS	NS	NS	NS	NM
	03/31/97	NS	NS	NS	NS	NS	NS	NM
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09/97 f	NS	NS	NS	NS	NS	NS	NM
	11/24/97 f	NS	NS	NS	NS	NS	NS	NM
	03/19/98 f	NS	NS	NS	NS	NS	NS	NM
	06/03/98 f	NS	NS	NS	NS	NS	NS	NM
	09/21/98 a,f	NS	NS	NS	NS	NS	NS	NM
	12/14/98 f	NS	NS	NS	NS	NS	NS	NM
	03/15/99 f	NS	NS	NS	NS	NS	NS	NM
	06/14/99 f	NS	NS	NS	NS	NS	NS	NM
	09/15/99 f	NS	NS	NS	NS	NS	NS	NM
	12/08/99 f	NS	NS	NS	NS	NS	NS	NM
	03/15/00 f	NS	NS	NS	NS	NS	NS	NM
	06/13/00 f	NS	NS	NS	NS	NS	NS	NM
	09/19/00 f	NS	NS	NS	NS	NS	NS	NM

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
675 H	12/14/00 f	NS	NS	NS	NS	NS	NS	NM
(cont.)	03/08/01 f	NS	NS	NS	NS	NS	NS	NM
	06/14/01 f	NS	NS	NS	NS	NS	NS	NM
	09/26/01 f	NS	NS	NS	NS	NS	NS	NM
	12/29/01 f	NS	NS	NS	NS	NS	NS	NM
	03/13/02 f	NS	NS	NS	NS	NS	NS	NM
17197 VM	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	11/24/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	03/19/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.2
	09/21/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	12/14/98	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.4
	03/15/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.6
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	09/15/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	12/08/99 a	NS	NS	NS	NS	NS	NS	NM
	03/15/00 a	NS	NS	NS	NS	NS	NS	NM
	06/13/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/19/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	12/14/00 f	NS	NS	NS	NS	NS	NS	NM
	03/08/01 f	NS	NS	NS	NS	NS	NS	NM
	06/14/01 f	NS	NS	NS	NS	NS	NS	NM
	09/26/01 f	NS	NS	NS	NS	NS	NS	NM
	12/29/01 f	NS	NS	NS	NS	NS	NS	NM
	03/13/02 f	NS	NS	NS	NS	NS	NS	NM
17200 VM	03/15/96	730	<1.0	<1.0	1.5	1.7	NA	NM
	05/27/96	200	<0.50	<0.50	1.4	1.8	NA	NM
	08/29/96	Well Destroyed						
17203 VM	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31/97 f	NS	NS	NS	NS	NS	NS	NM
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09/97 f	NS	NS	NS	NS	NS	NS	NM
	11/24/97 f	NS	NS	NS	NS	NS	NS	NM
	03/19/98	Well Dry						
	06/03/98 f	NS	NS	NS	NS	NS	NS	NM
	09/21/98 f	NS	NS	NS	NS	NS	NS	NM
	12/14/98 f	NS	NS	NS	NS	NS	NS	NM
	03/15/99 f	NS	NS	NS	NS	NS	NS	NM
	06/14/99 f	NS	NS	NS	NS	NS	NS	NM
	09/15/99 f	NS	NS	NS	NS	NS	NS	NM
	12/08/99 f	NS	NS	NS	NS	NS	NS	NM
	03/15/00 f	NS	NS	NS	NS	NS	NS	NM
	06/13/00 f	NS	NS	NS	NS	NS	NS	NM
	09/19/00 f	NS	NS	NS	NS	NS	NS	NM
	12/14/00 f	NS	NS	NS	NS	NS	NS	NM
	03/08/01 f	NS	NS	NS	NS	NS	NS	NM
	06/14/01 f	NS	NS	NS	NS	NS	NS	NM
	09/26/01 f	NS	NS	NS	NS	NS	NS	NM
	12/29/01 f	NS	NS	NS	NS	NS	NS	NM
	03/13/20 f	NS	NS	NS	NS	NS	NS	NM
17302 VM	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)		Dissolved Oxygen (ppm)
17302 VM	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
(cont.)	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	09/09/97 f	NS	NS	NS	NS	NS	NS		NM
	11/24/97 f	NS	NS	NS	NS	NS	NS		NM
	03/19/98 f	NS	NS	NS	NS	NS	NS		NM
	06/03/98 f	NS	NS	NS	NS	NS	NS		NM
	09/21/98 f	NS	NS	NS	NS	NS	NS		NM
	12/14/98 f	NS	NS	NS	NS	NS	NS		NM
	03/15/99 f	NS	NS	NS	NS	NS	NS		NM
	06/14/99 f	NS	NS	NS	NS	NS	NS		NM
	09/15/99 f	NS	NS	NS	NS	NS	NS		NM
	12/08/99 f	NS	NS	NS	NS	NS	NS		NM
	12/08/99 f	NS	NS	NS	NS	NS	NS		NM
	03/15/00 f	NS	NS	NS	NS	NS	NS		NM
	06/13/00 f	NS	NS	NS	NS	NS	NS		NM
	09/19/00 f	NS	NS	NS	NS	NS	NS		NM
	12/14/00 f	NS	NS	NS	NS	NS	NS		NM
	03/08/01 f	NS	NS	NS	NS	NS	NS		NM
	06/14/01 f	NS	NS	NS	NS	NS	NS		NM
	09/26/01 f	NS	NS	NS	NS	NS	NS		NM
	12/29/01 f	NS	NS	NS	NS	NS	NS		NM
	03/13/02 f	NS	NS	NS	NS	NS	NS		NM
17348 VE	03/13/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/27/96	Well Dry							
	08/29/96	Well Dry							
	11/26/96	Well Dry							
	03/31/97	Well Dry							
	06/25/97	Well Inaccessible							
	09/09/97 g	NS	NS	NS	NS	NS	NS		NM
	11/24/97 g	NS	NS	NS	NS	NS	NS		NM
	03/19/98 a	NS	NS	NS	NS	NS	NS		NM
	06/03/98 a	NS	NS	NS	NS	NS	NS		NM
	09/21/98 a	NS	NS	NS	NS	NS	NS		NM
	12/14/98 a	NS	NS	NS	NS	NS	NS		NM
	03/15/99 a	NS	NS	NS	NS	NS	NS		NM
	06/14/99 f	NS	NS	NS	NS	NS	NS		NM
	09/15/99 f	NS	NS	NS	NS	NS	NS		NM
	12/08/99 f	NS	NS	NS	NS	NS	NS		NM
	03/15/00 a	NS	NS	NS	NS	NS	NS		NM
	06/13/00 f	NS	NS	NS	NS	NS	NS		NM
	09/19/00 f	NS	NS	NS	NS	NS	NS		NM
	12/14/00 f	NS	NS	NS	NS	NS	NS		NM
	03/08/01 f	NS	NS	NS	NS	NS	NS		NM
	06/14/01 f	NS	NS	NS	NS	NS	NS		NM
	09/26/01 f	NS	NS	NS	NS	NS	NS		NM
	12/29/01 f	NS	NS	NS	NS	NS	NS		NM
	03/13/02 f	NS	NS	NS	NS	NS	NS		NM
17349 VM	03/15/96	1,700	<2.0	<2.0	2.5	13	NA		NM
	05/27/96	320	4.2	1.3	0.95	0.71	NA		NM
	08/29/96	410	7.5	<0.50	<0.50	1.1	NA		NM
	11/26/96	300	<1.0	1.7	<1.0	2.1	55	*	NM
	03/31/97	430	<1.0	2.7	<1.0	1.0	57	c	NM
	06/25/97 **	2,100	30	<5.0	<5.0	6.7	140		NM
	08/18/97	320	2.0	<0.5	<0.5	<0.5	34		NM
	08/18/97	--	--	--	--	--	31	c	NM
	09/09/97	380	6.0	1.4	0.98	<0.50	38		3.0
	09/09/97	--	--	--	--	--	34	c	NM
	11/24/97	240	<1.0	1.1	<1.0	1.4	53		2.4
	11/24/97	--	--	--	--	--	33	c†	NM
	03/19/98	1,300	14	<0.50	<0.50	1.2	250		1.0
	03/19/98	--	--	--	--	--	27	c	NM

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

ARCO Service Station 0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)		Dissolved Oxygen (ppm)
17349 VM	06/03/98	860	8.7	<0.50	0.7	8.0	38		4.9
(cont.)	07/29/98	860	20	2.1	<1.2	<1.2	27		NM
	07/29/98	--	--	--	--	--	25	c	NM
	09/21/98	200	<0.50	<0.50	<0.50	14	14		5.2
	12/14/98	264	<0.50	6.92	0.604	1.58	21.7		1.0
	03/15/99	172	1.35	<0.50	<0.50	<0.50	24.2		3.6
	06/14/99	91	<0.50	3.53	<0.50	<0.50	88.3		2.8
	09/15/99 a	133	<0.50	<0.50	<0.50	<0.50	184		2.2
	12/08/99	136	0.681	<0.50	<0.50	<0.50	267	c	2.4
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	82.1	c	2.8
	06/13/00	319	5.28	<0.5	<0.50	<0.50	97.1		NM
	06/13/00	--	--	--	--	--	85.1	c	NM
	09/19/00	106	<0.50	2	<0.50	<0.50	204.0		NM
	09/19/00	--	--	--	--	--	84.0	c	NM
	12/14/00	65.9	0.61	<0.50	<0.50	<0.50	188.0		1.8
	12/14/00	--	--	--	--	--	197.0	c	NM
	03/08/01	<50	<0.50	<0.50	<0.50	<0.50	91.8		1.8
	03/08/01	--	--	--	--	--	98.3	c	NM
	06/14/01	<50	<0.50	<0.50	<0.50	<0.50	68.0		2.8
	06/14/01	--	--	--	--	--	99.0	c	NM
	09/26/01	52	0.53	<0.50	<0.50	<0.50	49.0		1.8
	09/26/01	--	--	--	--	--	54.0	c	
	12/29/01	<50.0	<0.50	0.78	<0.50	<0.50	58.0		NM
	12/29/01	--	--	--	--	--	48.0	c	NM
	03/13/02	<50.0	1	<0.50	<0.50	<0.50	49.0		2.0
	03/13/02	--	--	--	--	--	47.0	c	NM
17371 VM	03/13/96 e	NS	NS	NS	NS	NS	NA		NM
	05/27/96 e	NS	NS	NS	NS	NS	NA		NM
	08/29/96 e	NS	NS	NS	NS	NS	NA		NM
	11/26/96 e	NS	NS	NS	NS	NS	NS		NM
	03/31/97 e	NS	NS	NS	NS	NS	NS		NM
	06/25/97 e	NS	NS	NS	NS	NS	NS		NM
	09/09/97 e	NS	NS	NS	NS	NS	NS		NM
	11/24/97 e	NS	NS	NS	NS	NS	NS		NM
	03/19/98 e	NS	NS	NS	NS	NS	NS		NM
	06/03/98 e	NS	NS	NS	NS	NS	NS		NM
	09/21/98 e	NS	NS	NS	NS	NS	NS		NM
	12/14/98 e	NS	NS	NS	NS	NS	NS		NM
	03/15/99 e	NS	NS	NS	NS	NS	NS		NM
	06/14/99 e	NS	NS	NS	NS	NS	NS		NM
	09/15/99 e	NS	NS	NS	NS	NS	NS		NM
	12/08/99 f	NS	NS	NS	NS	NS	NS		NM
	03/15/00 f	NS	NS	NS	NS	NS	NS		NM
	06/13/00 f	NS	NS	NS	NS	NS	NS		NM
	09/19/00 f	NS	NS	NS	NS	NS	NS		NM
	12/14/00 f	NS	NS	NS	NS	NS	NS		NM
	03/08/01 f	NS	NS	NS	NS	NS	NS		NM
	06/14/01 f	NS	NS	NS	NS	NS	NS		NM
	09/26/01 f	NS	NS	NS	NS	NS	NS		NM
	12/29/01 f	NS	NS	NS	NS	NS	NS		NM
	03/13/02 f	NS	NS	NS	NS	NS	NS		NM
17372 VM	03/14/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		4.0
	11/24/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.0
	03/19/98	<50	<0.50	<0.50	<0.50	<0.50	1,200		1.8
	03/19/98	--	--	--	--	--	1,400	c	NM
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	16,000		1.8
	07/29/98	<200	<2.0	<2.0	<2.0	<2.0	940		NM

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

06/29/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #0608, San Lorenzo,
Work Order Number:	MNF0307
Global ID:	T0600100085
Lab Report Number:	MNF0307062520041738

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MNF03070625200 41738	17372 VM	MNF030708	W	CS	8260FA	SW5030B	06/10/04	06/22/04	06/22/04	4F22003	1
MNF03070625200 41738	E-1A (MW-12)	MNF030705	W	CS	8260FA	SW5030B	06/10/04	06/22/04	06/22/04	4F22003	1
MNF03070625200 41738	MW-10	MNF030703	W	CS	8260FA	SW5030B	06/10/04	06/21/04	06/22/04	4F21004	1
MNF03070625200 41738	MW-11	MNF030704	W	CS	8260FA	SW5030B	06/10/04	06/22/04	06/22/04	4F22003	1
MNF03070625200 41738	MW-15	MNF030706	W	CS	8260FA	SW5030B	06/10/04	06/22/04	06/22/04	4F22003	1
MNF03070625200 41738	MW-25	MNF030707	W	CS	8260FA	SW5030B	06/10/04	06/22/04	06/22/04	4F22003	1
MNF03070625200 41738	MW-5	MNF030701	W	CS	8260FA	SW5030B	06/10/04	06/21/04	06/21/04	4F21004	1
MNF03070625200 41738	MW-8	MNF030702	W	CS	8260FA	SW5030B	06/10/04	06/21/04	06/21/04	4F21004	1
		MNF022012	W	NC	8260FA	SW5030B	/ /	06/21/04	06/22/04	4F21004	1
		MNF045607	W	NC	8260FA	SW5030B	/ /	06/22/04	06/23/04	4F22003	1
		4F21004BSD1	WQ	BD1	8260FA	SW5030B	/ /	06/21/04	06/22/04	4F21004	1
		4F21004BSD2	WQ	BD2	8260FA	SW5030B	/ /	06/21/04	06/22/04	4F21004	1
		4F21004BS1	WQ	BS1	8260FA	SW5030B	/ /	06/21/04	06/21/04	4F21004	1
		4F21004BS2	WQ	BS2	8260FA	SW5030B	/ /	06/21/04	06/21/04	4F21004	1
		4F21004BLK1	WQ	LB1	8260FA	SW5030B	/ /	06/21/04	06/21/04	4F21004	1
		4F21004MS1	W	MS1	8260FA	SW5030B	/ /	06/21/04	06/22/04	4F21004	1
		4F21004MSD1	W	SD1	8260FA	SW5030B	/ /	06/21/04	06/22/04	4F21004	1
		4F22003BSD1	WQ	BD1	8260FA	SW5030B	/ /	06/22/04	06/22/04	4F22003	1
		4F22003BSD2	WQ	BD2	8260FA	SW5030B	/ /	06/22/04	06/22/04	4F22003	1
		4F22003BS1	WQ	BS1	8260FA	SW5030B	/ /	06/22/04	06/22/04	4F22003	1
		4F22003BS2	WQ	BS2	8260FA	SW5030B	/ /	06/22/04	06/22/04	4F22003	1
		4F22003BLK1	WQ	LB1	8260FA	SW5030B	/ /	06/22/04	06/22/04	4F22003	1
		4F22003MS1	W	MS1	8260FA	SW5030B	/ /	06/22/04	06/23/04	4F22003	1
		4F22003MSD1	W	SD1	8260FA	SW5030B	/ /	06/22/04	06/23/04	4F22003	1

EDFSAMP: Error Summary Log

06/29/04

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
There are no errors in this data file					

EDFTEST: Error Summary Log

06/29/04

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
There are no errors in this data file					/ /	0

EDFRES: Error Summary Log

06/29/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4F21004MS1	MS1	W	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F21004MS1	MS1	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F21004MS1	MS1	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F21004MS1	MS1	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F21004MS1	MS1	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	4F21004MS1	MS1	W	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	4F21004MSD1	SD1	W	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F21004MSD1	SD1	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F21004MSD1	SD1	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F21004MSD1	SD1	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F21004MSD1	SD1	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	4F21004MSD1	SD1	W	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	4F22003MS1	MS1	W	8260FA	PR	06/23/04	1	BZ
Warning: extra parameter	4F22003MS1	MS1	W	8260FA	PR	06/23/04	1	BZME
Warning: extra parameter	4F22003MS1	MS1	W	8260FA	PR	06/23/04	1	DCA12D4
Warning: extra parameter	4F22003MS1	MS1	W	8260FA	PR	06/23/04	1	EBZ
Warning: extra parameter	4F22003MS1	MS1	W	8260FA	PR	06/23/04	1	GROC4C12
Warning: extra parameter	4F22003MS1	MS1	W	8260FA	PR	06/23/04	1	XYLENES
Warning: extra parameter	4F22003MSD1	SD1	W	8260FA	PR	06/23/04	1	BZ
Warning: extra parameter	4F22003MSD1	SD1	W	8260FA	PR	06/23/04	1	BZME
Warning: extra parameter	4F22003MSD1	SD1	W	8260FA	PR	06/23/04	1	DCA12D4
Warning: extra parameter	4F22003MSD1	SD1	W	8260FA	PR	06/23/04	1	EBZ
Warning: extra parameter	4F22003MSD1	SD1	W	8260FA	PR	06/23/04	1	GROC4C12
Warning: extra parameter	4F22003MSD1	SD1	W	8260FA	PR	06/23/04	1	XYLENES
Warning: extra parameter	MNF022012	NC	W	8260FA	PR	06/22/04	1	BZ

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNF022012	NC	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	MNF022012	NC	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	MNF022012	NC	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	MNF022012	NC	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	MNF022012	NC	W	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	MNF030701	CS	W	8260FA	PR	06/21/04	1	BZ
Warning: extra parameter	MNF030701	CS	W	8260FA	PR	06/21/04	1	BZME
Warning: extra parameter	MNF030701	CS	W	8260FA	PR	06/21/04	1	DCA12D4
Warning: extra parameter	MNF030701	CS	W	8260FA	PR	06/21/04	1	EBZ
Warning: extra parameter	MNF030701	CS	W	8260FA	PR	06/21/04	1	GROC4C12
Warning: extra parameter	MNF030701	CS	W	8260FA	PR	06/21/04	1	XYLENES
Warning: extra parameter	MNF030702	CS	W	8260FA	PR	06/21/04	1	BZ
Warning: extra parameter	MNF030702	CS	W	8260FA	PR	06/21/04	1	BZME
Warning: extra parameter	MNF030702	CS	W	8260FA	PR	06/21/04	1	DCA12D4
Warning: extra parameter	MNF030702	CS	W	8260FA	PR	06/21/04	1	EBZ
Warning: extra parameter	MNF030702	CS	W	8260FA	PR	06/21/04	1	GROC4C12
Warning: extra parameter	MNF030702	CS	W	8260FA	PR	06/21/04	1	XYLENES
Warning: extra parameter	MNF030703	CS	W	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	MNF030703	CS	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	MNF030703	CS	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	MNF030703	CS	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	MNF030703	CS	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	MNF030703	CS	W	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	MNF030704	CS	W	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	MNF030704	CS	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	MNF030704	CS	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	MNF030704	CS	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	MNF030704	CS	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	MNF030704	CS	W	8260FA	PR	06/22/04	1	XYLENES

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNF030705	CS	W	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	MNF030705	CS	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	MNF030705	CS	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	MNF030705	CS	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	MNF030705	CS	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	MNF030705	CS	W	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	MNF030706	CS	W	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	MNF030706	CS	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	MNF030706	CS	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	MNF030706	CS	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	MNF030706	CS	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	MNF030706	CS	W	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	MNF030707	CS	W	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	MNF030707	CS	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	MNF030707	CS	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	MNF030707	CS	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	MNF030707	CS	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	MNF030707	CS	W	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	MNF030708	CS	W	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	MNF030708	CS	W	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	MNF030708	CS	W	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	MNF030708	CS	W	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	MNF030708	CS	W	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	MNF030708	CS	W	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	MNF045607	NC	W	8260FA	PR	06/23/04	1	BZ
Warning: extra parameter	MNF045607	NC	W	8260FA	PR	06/23/04	1	BZME
Warning: extra parameter	MNF045607	NC	W	8260FA	PR	06/23/04	1	DCA12D4
Warning: extra parameter	MNF045607	NC	W	8260FA	PR	06/23/04	1	EBZ
Warning: extra parameter	MNF045607	NC	W	8260FA	PR	06/23/04	1	GROC4C12

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNF045607	NC	W	8260FA	PR	06/23/04	1	XYLENES
Warning: extra parameter	4F21004BLK1	LB1	WQ	8260FA	PR	06/21/04	1	BZ
Warning: extra parameter	4F21004BLK1	LB1	WQ	8260FA	PR	06/21/04	1	BZME
Warning: extra parameter	4F21004BLK1	LB1	WQ	8260FA	PR	06/21/04	1	DCA12D4
Warning: extra parameter	4F21004BLK1	LB1	WQ	8260FA	PR	06/21/04	1	EBZ
Warning: extra parameter	4F21004BLK1	LB1	WQ	8260FA	PR	06/21/04	1	GROC4C12
Warning: extra parameter	4F21004BLK1	LB1	WQ	8260FA	PR	06/21/04	1	XYLENES
Warning: extra parameter	4F21004BS1	BS1	WQ	8260FA	PR	06/21/04	1	BZ
Warning: extra parameter	4F21004BS1	BS1	WQ	8260FA	PR	06/21/04	1	BZME
Warning: extra parameter	4F21004BS1	BS1	WQ	8260FA	PR	06/21/04	1	DCA12D4
Warning: extra parameter	4F21004BS1	BS1	WQ	8260FA	PR	06/21/04	1	EBZ
Warning: extra parameter	4F21004BS1	BS1	WQ	8260FA	PR	06/21/04	1	XYLENES
Warning: extra parameter	4F21004BS2	BS2	WQ	8260FA	PR	06/21/04	1	BZ
Warning: extra parameter	4F21004BS2	BS2	WQ	8260FA	PR	06/21/04	1	BZME
Warning: extra parameter	4F21004BS2	BS2	WQ	8260FA	PR	06/21/04	1	DCA12D4
Warning: extra parameter	4F21004BS2	BS2	WQ	8260FA	PR	06/21/04	1	EBZ
Warning: extra parameter	4F21004BS2	BS2	WQ	8260FA	PR	06/21/04	1	GROC4C12
Warning: extra parameter	4F21004BS2	BS2	WQ	8260FA	PR	06/21/04	1	XYLENES
Warning: extra parameter	4F21004BSD1	BD1	WQ	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F21004BSD1	BD1	WQ	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F21004BSD1	BD1	WQ	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F21004BSD1	BD1	WQ	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F21004BSD1	BD1	WQ	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	4F21004BSD2	BD2	WQ	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F21004BSD2	BD2	WQ	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F21004BSD2	BD2	WQ	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F21004BSD2	BD2	WQ	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F21004BSD2	BD2	WQ	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	4F21004BSD2	BD2	WQ	8260FA	PR	06/22/04	1	XYLENES

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4F22003BLK1	LB1	WQ	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F22003BLK1	LB1	WQ	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F22003BLK1	LB1	WQ	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F22003BLK1	LB1	WQ	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F22003BLK1	LB1	WQ	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	4F22003BLK1	LB1	WQ	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	4F22003BS1	BS1	WQ	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F22003BS1	BS1	WQ	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F22003BS1	BS1	WQ	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F22003BS1	BS1	WQ	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F22003BS1	BS1	WQ	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	4F22003BS2	BS2	WQ	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F22003BS2	BS2	WQ	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F22003BS2	BS2	WQ	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F22003BS2	BS2	WQ	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F22003BS2	BS2	WQ	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	4F22003BS2	BS2	WQ	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	4F22003BSD1	BD1	WQ	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F22003BSD1	BD1	WQ	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F22003BSD1	BD1	WQ	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F22003BSD1	BD1	WQ	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F22003BSD1	BD1	WQ	8260FA	PR	06/22/04	1	XYLENES
Warning: extra parameter	4F22003BSD2	BD2	WQ	8260FA	PR	06/22/04	1	BZ
Warning: extra parameter	4F22003BSD2	BD2	WQ	8260FA	PR	06/22/04	1	BZME
Warning: extra parameter	4F22003BSD2	BD2	WQ	8260FA	PR	06/22/04	1	DCA12D4
Warning: extra parameter	4F22003BSD2	BD2	WQ	8260FA	PR	06/22/04	1	EBZ
Warning: extra parameter	4F22003BSD2	BD2	WQ	8260FA	PR	06/22/04	1	GROC4C12
Warning: extra parameter	4F22003BSD2	BD2	WQ	8260FA	PR	06/22/04	1	XYLENES

EDFQC: Error Summary Log

06/29/04

Error type	Lablotctl	Anmcode	Parlabel	Qccode	Labqcid
There are no errors in this data files					

EDFCL: Error Summary Log

06/29/04

Error type	Clrevdate	Anmcode	Exmcode	Parlabel	Clcode
There are no errors in this data file	/ /				

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Confirmation Number: 1900447070
Date/Time of Submittal: 7/12/2004 12:06:16 PM
Facility Global ID: T0600100085
Facility Name: ARCO # 00608
Submittal Title: 2nd Qtr 2004 Monitoring Report for #0608
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO # 00608
17601 HESPERIAN BLVD
SAN LORENZO, CA 94580

Regional Board - Case #: 01-0092
SAN FRANCISCO BAY RWQCB (REGION 2) - (RDB)
Local Agency (lead agency) - Case #: 779
ALAMEDA COUNTY LOP - (UNK)

CONF #	TITLE	QUARTER
1900447070	2nd Qtr 2004 Monitoring Report for #0608	Q2 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	7/12/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	8
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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AB2886 Electronic Delivery

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