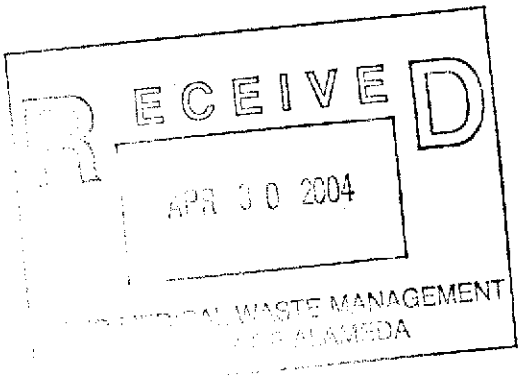
RO-255

URS



April 24, 2004

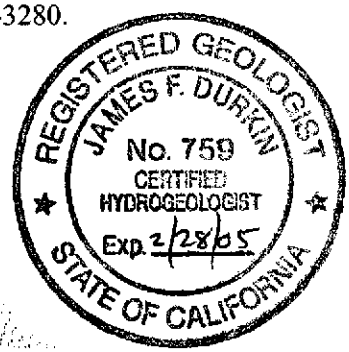
Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: First Quarter 2004 Groundwater Monitoring and Remediation System Report
ARCO Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California
URS Project #38486707

Dear Ms. chu:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company) URS Corporation (URS) is submitting the *First Quarter 2004 Groundwater Monitoring and Remediation System Report* for ARCO 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

James F. Durkin, C. Hg.
Senior Geologist

Enclosure: First Quarter 2004 Groundwater Monitoring and Remediation System Report

cc: Mr. Paul Supple, ARCO, (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

Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 6549
Moraga, California 94570
Phone: (925) 299-8891
Fax: (925) 299-8872

April 24, 2004

RE: First Quarter 2004 Groundwater Monitoring Report and Remediation System Report
ARCO Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, CA
URS Project #38486707

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

Submitted by:

Paul Supple
Environmental Business Manager

REPORT

FIRST QUARTER 2004 GROUNDWATER MONITORING AND REMEDIATION SYSTEM

ARCO SERVICE STATION #0608
17601 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

Prepared for
Atlantic Richfield Company

April 24, 2004

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486707

Date: April 24, 2004

Quarter: 1Q 04

ARCO QUARTERLY GROUNDWATER MONITORING AND REMEDIATION SYSTEM REPORT

Facility No.:	608	Address:	17601 Hesperian Boulevard, San Lorenzo, California
Atlantic Richfield Co. Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486707
Primary Agency:			Alameda County Health Care Services (ACHCSA)

WORK PERFORMED THIS QUARTER (First – 2004):

1. Performed first quarter 2004 groundwater monitoring event on March 10, 2004.
2. Continued quarterly payments to homeowners for not using domestic irrigation wells.
3. Continued homeowner quarterly monitoring result notification program.
4. Resent requests for permission for destruction of domestic irrigation wells on April 31, 2004.
5. Continued operation and maintenance of the groundwater extraction and treatment (GWET) system.
6. Submitted monthly discharge reports data to Oro Loma Sanitary District.
7. Wells surveyed to NAVD'88 on March 2, 2004.

WORK PROPOSED FOR NEXT QUARTER (Second – 2004):

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

Current Phase of Project:	GW monitoring/sampling/remediation
Frequency of Groundwater Sampling:	See Table 1
Frequency of Groundwater Monitoring:	See Table 1
Is Free Product (FP) Present On-Site:	No
FP Recovered this Quarter	None
Current Remediation Techniques:	GWET
Approximate Depth to Groundwater:	7.90 feet (MW-14) to 10.45 feet (MW-26); 16.78(E-1A) feet extraction well while system pumping.

Groundwater Gradient (direction):	West		
Groundwater Gradient (magnitude):	0.003 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 08/05/2004		
Gallons of Groundwater Treated and Discharge for this Quarter:	216,313		
Total Gallons of Groundwater Treated and Discharged to Date:	7,416,600		
Total Operation Hours to Date:	55,986		
Mass Removal (pounds):	Quarterly	Cumulative	
GRO:	0.00	7.40	
Benzene:	0.000	0.31	
MTBE:	0.03	2.80	
GWET System Samples Collection Dates and Effluent Results (µg/L)::	01/22/04	02/19/04	03/18/04
GRO:	ND<50	ND<50	ND<50
Benzene:	ND<0.50	ND<0.50	ND<0.50
MTBE:	27	25	27

DISCUSSION:

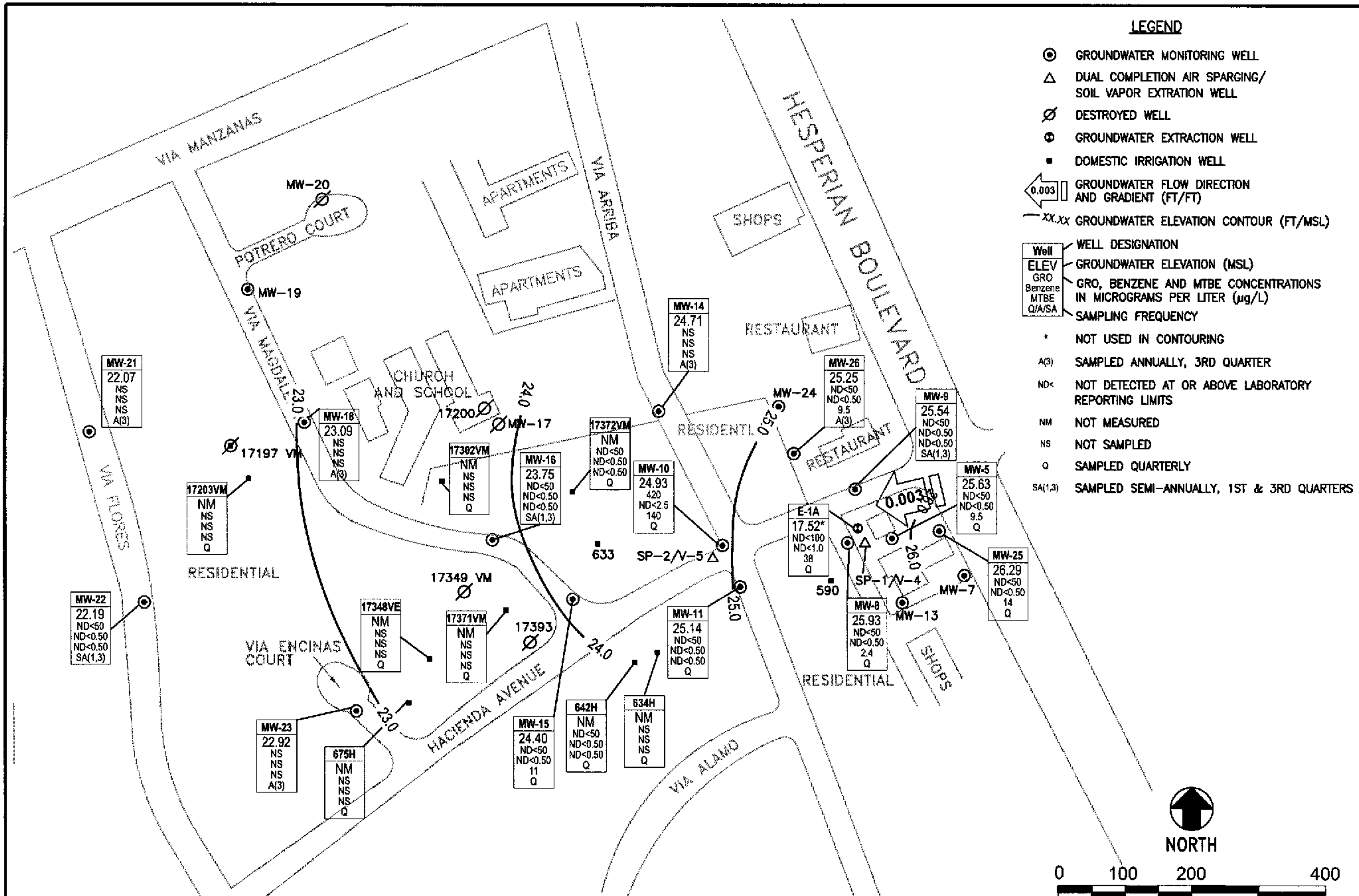
Gasoline range organics (GRO) was detected above the laboratory reporting limits in only one of the twelve wells sampled this quarter at a concentration of 420 µg/L (MW-10). Benzene was not detected above the laboratory reporting limits in any of the wells sampled this quarter. Methyl-tert-butyl ether (MTBE) was detected above the laboratory reporting limits in six wells at concentrations ranging from 2.4 µg/L (MW-8) to 140 µg/L (MW-10). Tert-Amyl methyl ether (TAME) was detected above the laboratory reporting limits in two wells at concentrations of 2.3 µg/L (E-1A) and 6.5 µg/L (MW-25). Tert-butyl alcohol (TBA) was detected in one well at a concentration of 120 µg/L (MW-10).

Domestic irrigation wells 642H and 17372VM were sampled this quarter. None of the dissolved hydrocarbons were detected above the laboratory reporting limits in the domestic irrigations wells sampled this quarter.

From July 24 to September 25, 2003, the system operated 99 percent of the time, with minimal downtime due to maintenance of the system. Elevated pressure at the carbon vessels has been observed during recent maintenance visits. Air relief valves were installed on February 5, 2004 onto each carbon vessel. The valves relieve pressure build-up to prevent the potential exceedance in pressure between maintenance visits. URS is continuing to evaluate the source of air in the system. During this time period, a total of 246,844 gallons of groundwater were treated. Performance data and laboratory analytical data are listed in Tables 5 and 6.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – March 10, 2004
- Figure 2 – Groundwater Extraction System Mass Removal Trend TPH-g and Benzene
- Figure 3 – Groundwater Extraction System Concentration Trend TPH-g and Benzene
- Figure 4 – Groundwater Extraction System Mass Removal Trend MTBE
- Figure 5 – Groundwater Extraction System Concentration Trend MTBE
- Table 1 – Groundwater Sampling Schedule
- Table 2 – Groundwater Analytical Data
- Table 3 – Groundwater Flow Direction and Gradient
- Table 4 – Fuel Oxygenate Analytical Data
- 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
- Attachment E – Well Survey Data Sheets



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
First Quarter 2004 (March 10, 2004)

FIGURE
1

Apr 15, 2004 - 7:52pm
X:\r_env_waste\BP GEM Sites\Scott Robinson\Paul Supple\0608\Monitoring\Qtr 1, 2004\Drawings\GWEC-AS_3-10.dwg

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

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

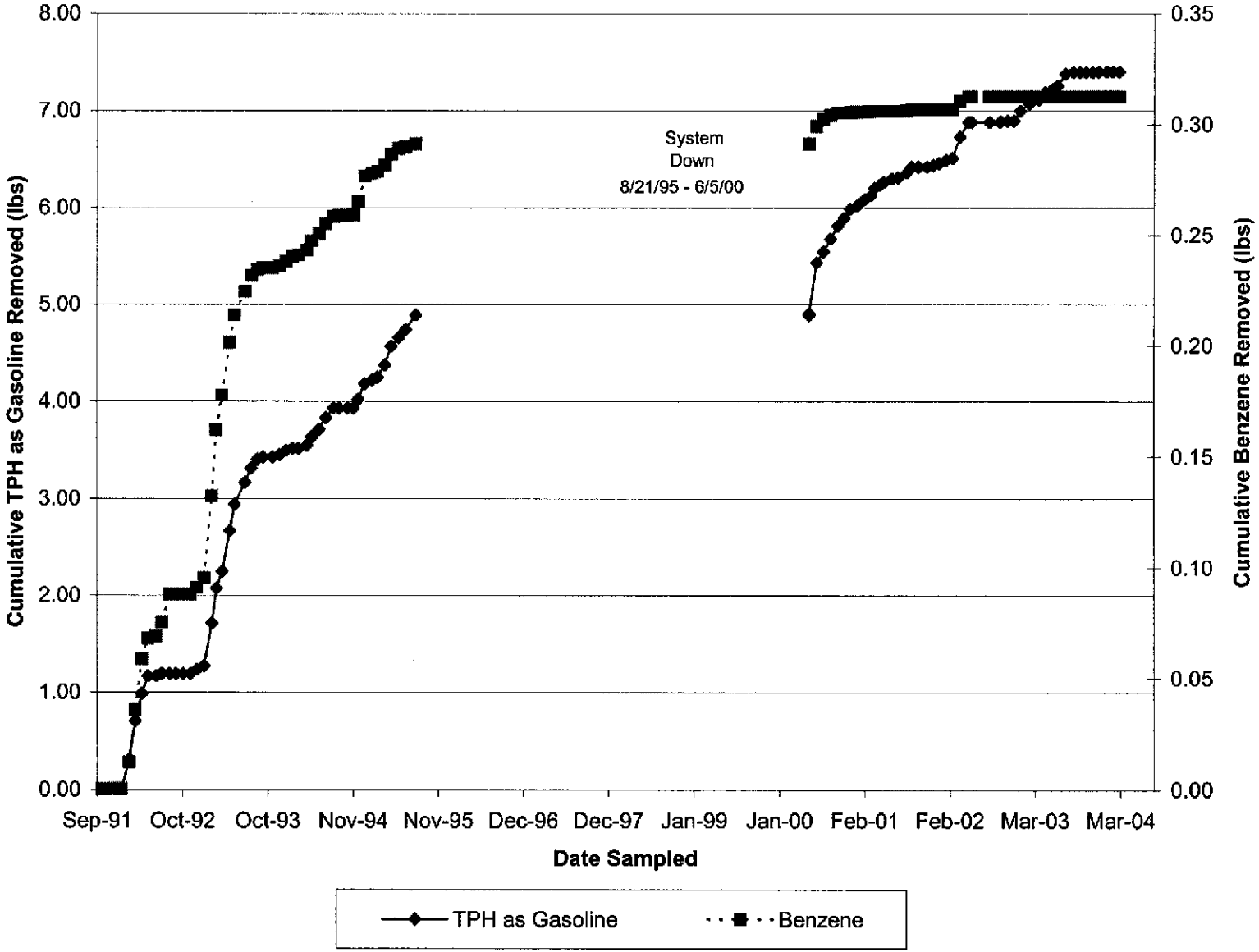


Figure 3
Groundwater Extraction System Concentration Trend
TPH-g and Benzene

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

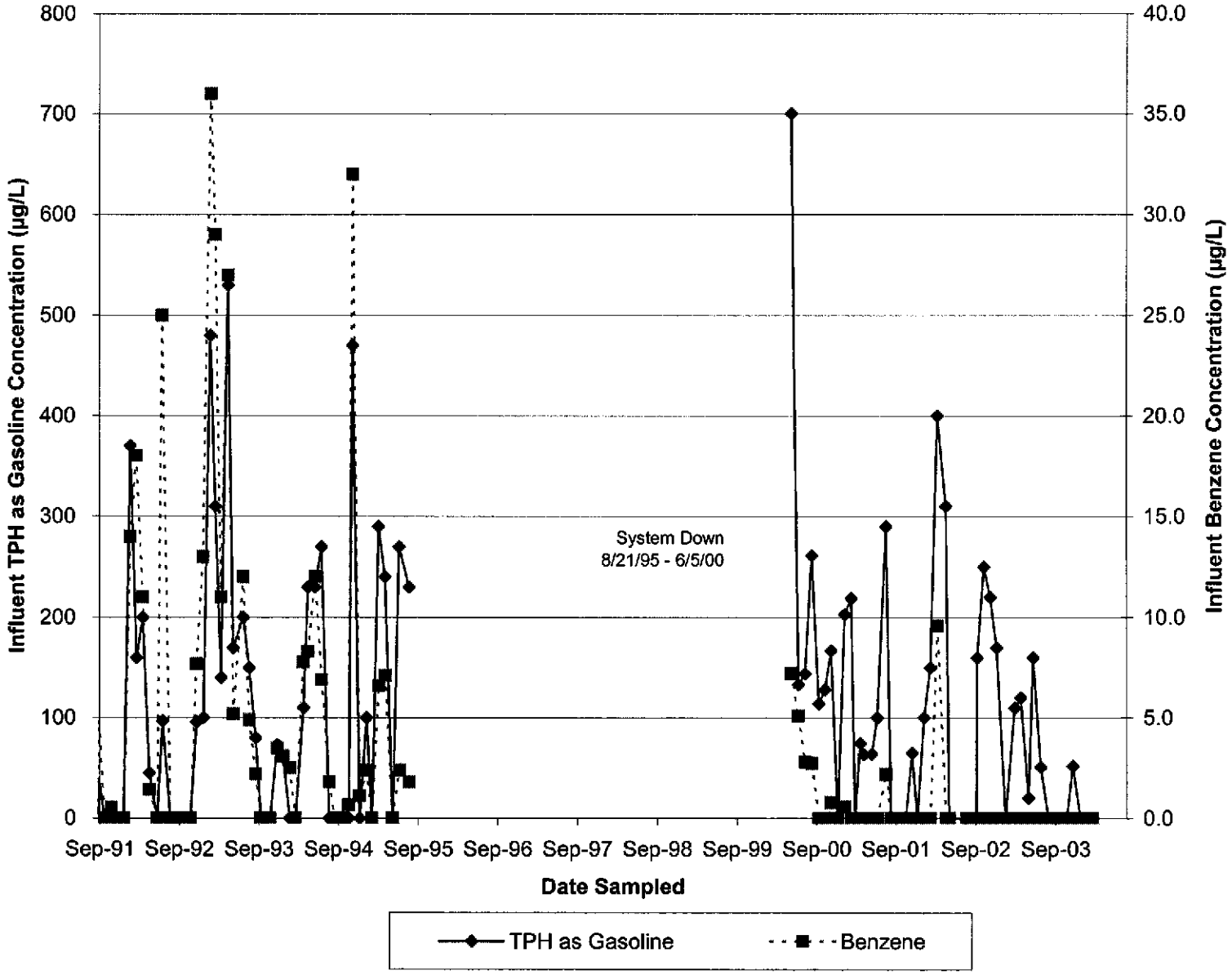


Figure 4
Groundwater Extraction System Mass Removal Trend
MtBE

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

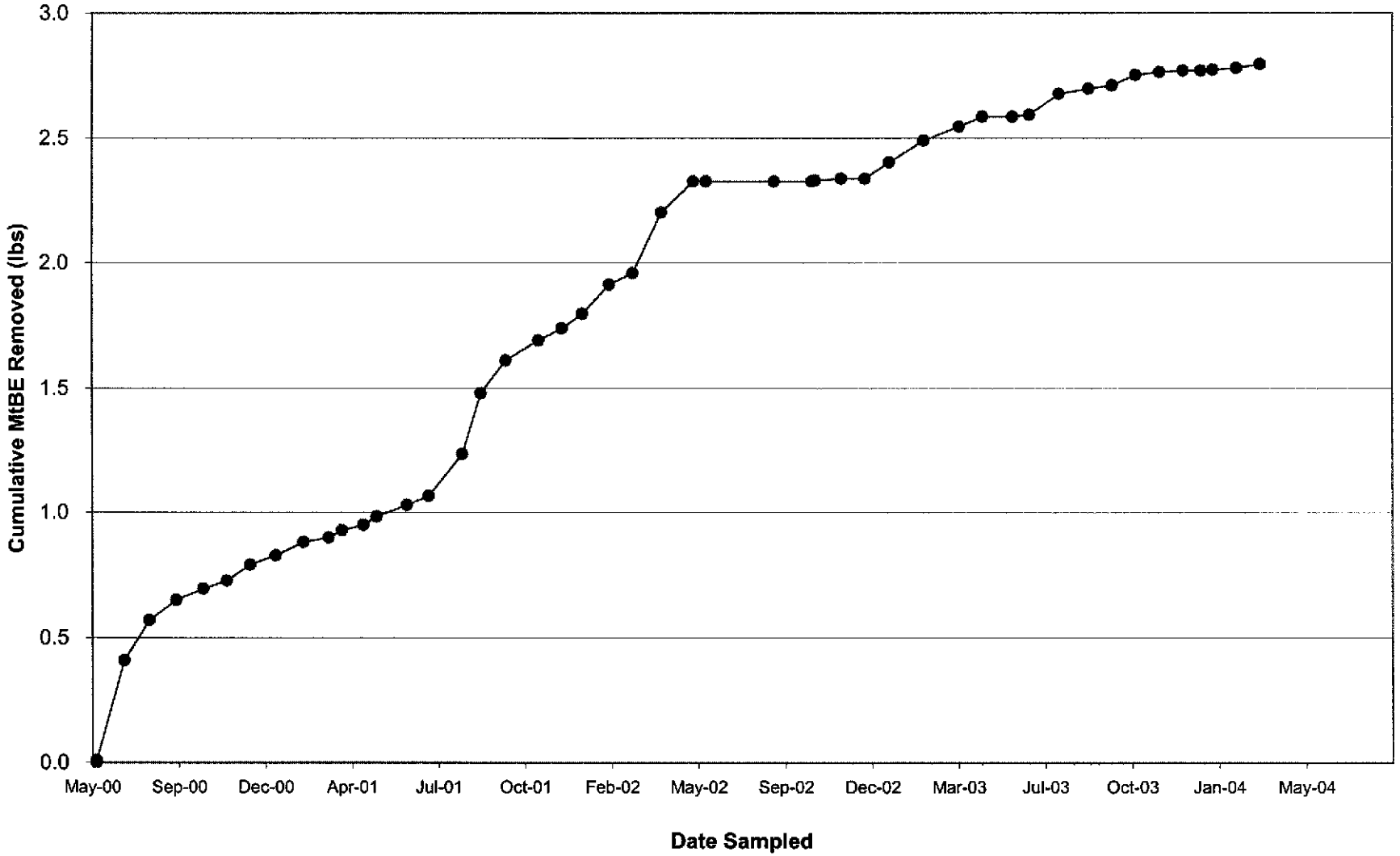


Figure 5
Groundwater Extraction System Concentration Trend
MtBE

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

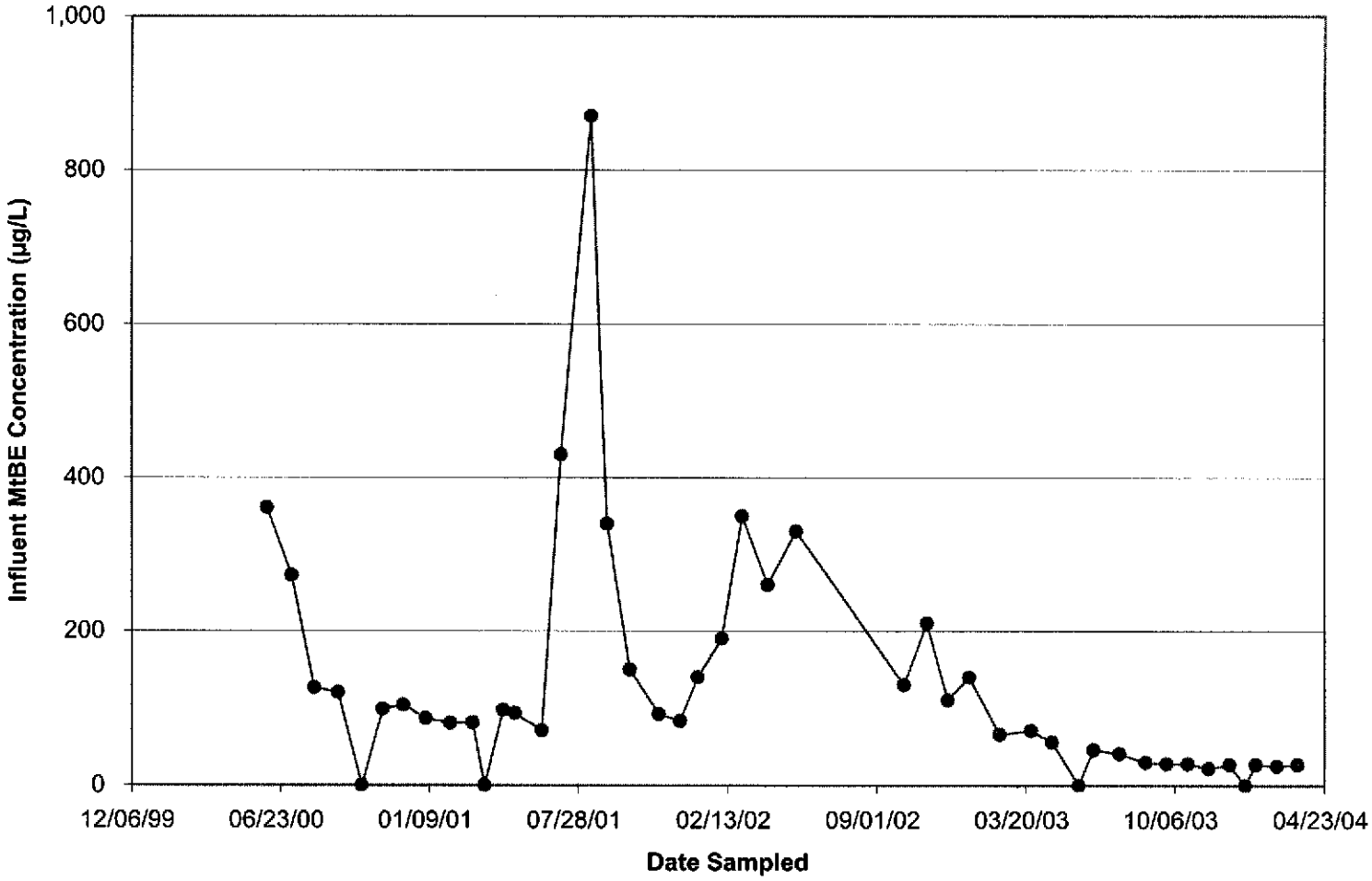


Table 1
Groundwater Sampling Schedule
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

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)

Table 1
Groundwater Sampling Schedule
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Sampling Frequency
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 (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.

Table 2
Groundwater Elevation and Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled		Casing Elevation (feet, MSL)	Top of Screen (ft., MSL)	Bottom of Well (ft., MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen[j] (mg/L)	pH[j]
Groundwater Monitoring Wells															
MW-5	03/13/02		33.99			11.46	22.53	530	ND<2.5	ND<2.5	ND<2.5	ND<2.5	230	--	--
	06/28/02					11.75	22.24	180[b]	ND<1.0	2.6	ND<1.0	1.2	230	--	--
	09/20/02					12.15	21.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	333	--	--
	12/30/02					9.73	24.26	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	03/27/03					11.24	22.75	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	59	--	--
	06/30/03	P				11.62	22.37	91	ND<0.50	ND<0.50	ND<0.50	ND<0.50	58	--	--
	09/15/03	P				12.13	21.86	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	61	--	--
	12/04/03	P				11.85	22.14	81	ND<0.50	ND<0.50	ND<0.50	ND<0.50	42	--	--
	3/10/2004[k]	**P**	**35.97**			**10.34**	**25.63**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**9.5**	**1.2**	**6.6**
MW-8	03/13/02		32.79			10.30	22.49	500	ND<2.5	ND<2.5	ND<2.5	ND<2.5	1,100	--	--
	06/28/02					10.30	22.49	150[b]	ND<0.50	2.9	0.54	1.5	130	--	--
	09/20/02					10.84	21.95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	273	--	--
	12/30/02					8.31	24.48	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.5	--	--
	03/27/03					9.85	22.94	63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	33	--	--
	06/30/03	P				10.20	22.59	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	--	--
	09/15/03	P				10.69	22.10	59	ND<0.50	ND<0.50	ND<0.50	ND<0.50	41	--	--
	12/04/03	P				10.43	22.36	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	24	--	--
	3/10/2004[k]	**P**	**34.47**			**9.04**	**25.43**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**2.4**	**0.90**	**6.8**
MW-9	03/13/02		32.11			9.49	22.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					9.78	22.33	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	09/20/02					10.29	21.82	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	ND<0.500	--	--
	12/30/02					7.60	24.51	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	03/27/03					9.14	22.97	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03					9.64[i]	22.47	----------Well Sampled Semi-Annually----------							
	09/15/03					10.12	21.99	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	12/04/03					9.87	22.24	----------Well Sampled Semi-Annually----------							
	3/10/2004[k]	**P**	**34.00**			**8.46**	**25.54**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**1.6**	**7.3**
MW-10	03/13/02		31.67			9.68	21.99	680	ND<5.0	ND<5.0	ND<5.0	ND<5.0	570	--	--
	06/28/02					9.84	21.83	820[b]	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1,200	--	--
	09/20/02					10.37	21.30	194	ND<0.50	ND<0.50	ND<0.50	ND<1.50	575	--	--
	12/30/02					7.70	23.97	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	490	--	--
	03/27/03					9.33	22.34	530	ND<5.0	ND<5.0	ND<5.0	ND<5.0	330	--	--
	06/30/03	P				9.75	21.92	ND<1,000	ND<10	ND<10	ND<10	ND<10	750	--	--
	09/15/03	P				10.17	21.50	----------Well Sampled Annually----------							
	12/04/03	P				9.95	21.72	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	110	--	--
	3/10/2004[k]	**P**	**33.50**			**8.57**	**24.93**	**420**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**140**	**1.2**	**6.5**

Table 2
Groundwater Elevation and Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled		Casing Elevation (feet, MSL)	Top of Screen (ft., MSL)	Bottom of Well (ft., MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen[j] (mg/L)	pH[j]
MW-11	03/13/02		32.54			10.38	22.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					10.74	21.80	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	09/20/02					11.27	21.27	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	ND<0.500	--	--
	12/30/02					8.73	23.81	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	03/27/03					10.25	22.29	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03	P				10.65	21.89	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	09/15/03	P				11.03	21.51	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	12/04/03	P				10.84	21.70	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	3/10/2004[k]	**P**	**34.55**			**9.41**	**25.14**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**1.3**	**6.9**
E-1A	03/13/02		33.06			21.75	11.31	200	ND<0.50	ND<0.50	ND<0.50	ND<0.50	310	--	--
(MW-12)	06/28/02					11.22	21.84	260[b]	ND<0.50	11	1.2	1.2	150	--	--
	09/20/02					11.80	21.26	250	1.18	0.520	ND<0.5	ND<1.5	218	--	--
	12/30/02					16.33	16.73	190[c,e]	ND<1.2[e]	ND<1.2[e]	ND<1.2[e]	ND<1.2[e]	190[e]	--	--
	03/27/03					13.63[g]	19.43	96	ND<0.50	ND<0.50	ND<0.50	ND<0.50	60	--	--
	06/30/03	P				9.60[h]	23.46	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	--	--
	09/15/03	P				17.80[g]	15.26	83	ND<0.50	ND<0.50	ND<0.50	ND<0.50	49	--	--
	12/04/03	P				18.73[g]	14.33	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	--	--
	3/10/2004[k]	**P**	**34.30**			**16.78[g]**	**17.52**	**ND<100**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**38**	**4.9**	**7.2**
MW-14	03/13/02		30.46			8.56	21.90	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					9.12	21.34	----------Well Sampled Annually----------							
	09/20/02					9.79	20.67	----------Well Sampled Annually----------							
	12/30/02					7.13	23.33	----------Well Sampled Annually----------							
	03/27/03					8.53	21.93	ND<50	ND<0.50	0.86	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03					9.05	21.41	----------Well Sampled Annually----------							
	09/15/03					9.47	20.99	----------Well Sampled Annually----------							
	12/04/03					9.20	21.26	----------Well Sampled Annually----------							
	3/10/2004[k]		**32.61**			**7.90**	**24.71**	**----------Well sampled annually during third quarter----------**							
MW-15	03/13/02		31.41			10.03	21.38	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	21	--	--
	06/28/02					10.41	21.00	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.7	--	--
	09/20/02					11.00	20.41	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	21.6	--	--
	12/30/02					8.33	23.08	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	67	--	--
	03/27/03					9.83	21.58	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	--	--
	06/30/03	P				10.00	21.41	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	--	--
	09/15/03	P				10.67	20.74	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	10	--	--
	12/04/03	P				10.47	20.94	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.4	--	--
	3/10/2004[k]	**P**	**33.49**			**9.09**	**24.40**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	11	**1.5**	**6.9**

Table 2
Groundwater Elevation and Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled		Casing Elevation (feet, MSL)	Top of Screen (ft., MSL)	Bottom of Well (ft., MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen[j] (mg/L)	pH[j]
MW-16	03/13/02		31.39			10.51	20.88	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					10.96	20.43	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	09/20/02					10.47	20.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	1.67	--	--
	12/30/02					NM		Well not sampled - Car Parked on Well						--	--
	03/27/03					10.28	21.11	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03					10.87[i]	20.52	----------Well Sampled Semi-Annually----------							
	09/15/03					11.25	20.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	12/04/03					10.99	20.40	----------Well Sampled Semi-Annually----------							
	3/10/2004[k]	**P**	**33.41**			**9.66**	**23.75**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**2.1**	**6.5**
MW-18	03/13/02		29.70			9.46	20.24	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					10.05	19.65	----------Well Sampled Annually----------							
	09/20/02					10.67	19.03	----------Well Sampled Annually----------							
	12/30/02					7.98	21.72	----------Well Sampled Annually----------							
	03/27/03					9.18	20.52	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03					9.68	20.02	----------Well Sampled Annually----------							
	09/15/03					10.30	19.40	----------Well Sampled Annually----------							
	12/04/03					9.99	19.71	----------Well Sampled Annually----------							
	3/10/2004[k]		**31.87**			**8.78**	**23.09**	**----------Well sampled annually during third quarter----------**							
MW-21	03/13/02		28.72			9.40	19.32	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	06/28/02					9.80	18.92	----------Well Sampled Annually----------							
	09/20/02					10.27	18.45	----------Well Sampled Annually----------							
	12/30/02					7.70	21.02	----------Well Sampled Annually----------							
	03/27/03					9.05	19.67	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03					9.48	19.24	----------Well Sampled Annually----------							
	09/15/03					10.06	18.66	----------Well Sampled Annually----------							
	12/04/03					9.69	19.03	----------Well Sampled Annually----------							
	3/10/2004[k]		**30.67**			**8.60**	**22.07**	**----------Well sampled annually during third quarter----------**							
MW-22	03/13/02		29.29			9.86	19.43	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					10.65	18.64	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	09/20/02					11.05	18.24	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	ND<0.500	--	--
	12/30/02					8.28	21.01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	03/27/03					9.85	19.44	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03					10.20[i]	19.09	----------Well Sampled Semi-Annually----------							
	09/15/03					10.81	18.48	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--
	12/04/03					10.49	18.80	----------Well Sampled Semi-Annually----------							
	3/10/2004[k]	**P**	**31.43**			**9.24**	**22.19**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**2.3**	**6.6**

Table 2
Groundwater Elevation and Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled		Casing Elevation (feet, MSL)	Top of Screen (ft., MSL)	Bottom of Well (ft., MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen[j] (mg/L)	pH[j]
MW-23	03/13/02		30.99			11.01	19.98	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					11.59	19.40	----------Well Sampled Annually----------							
	09/20/02					12.00	18.99	----------Well Sampled Annually----------							
	12/30/02					9.42	21.57	----------Well Sampled Annually----------							
	03/27/03					11.00	19.99	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03					11.47	19.52	----------Well Sampled Annually----------							
	09/15/03					11.84	19.15	----------Well Sampled Annually----------							
	12/04/03					11.61	19.38	----------Well Sampled Annually----------							
	3/10/2004[k]		**33.16**			**10.24**	**22.92**	**----------Well sampled annually during third quarter----------**							
MW-25	03/13/02		33.81	27.81	12.81	10.99	22.82	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					11.26	22.55	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	36	--	--
	09/20/02					11.65	22.16	117	ND<0.50	ND<0.50	ND<0.50	ND<1.50	259	--	--
	12/30/02					9.33	24.48	95[d]	13	ND<0.50	ND<0.50	ND<0.50	98[f]	--	--
	03/27/03					10.82	22.99	150	ND<0.50	ND<0.50	ND<0.50	ND<0.50	90	--	--
	06/30/03	P				11.20	22.61	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	130	--	--
	09/15/03	P				11.62	22.19	220	ND<1.0	ND<1.0	ND<1.0	ND<1.0	140	--	--
	12/04/03	P				11.41	22.40	81	ND<0.50	ND<0.50	ND<0.50	ND<0.50	36	--	--
	3/10/2004[k]	**P**	**36.33**			**10.04**	**26.29**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**14**	**1.2**	**6.7**
MW-26	03/13/02		33.71	27.71	12.71	11.27	#VALUE!	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	06/28/02					11.70	#VALUE!	----------Well Sampled Annually----------							
	09/20/02					12.10	#VALUE!	----------Well Sampled Annually----------							
	12/30/02					9.60	#VALUE!	----------Well Sampled Annually----------							
	03/27/03					11.15	#VALUE!	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03					11.61	#VALUE!	----------Well Sampled Annually----------							
	09/15/03					12.01	#VALUE!	----------Well Sampled Annually----------							
	12/04/03					11.78	#VALUE!	----------Well Sampled Annually----------							
	3/10/2004[k]		**35.70**			**10.45**	**-10.45**	**----------Well sampled annually during third quarter----------**							

Table 2
Groundwater Elevation and Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled	Casing Elevation (feet, MSL)	Top of Screen (ft., MSL)	Bottom of Well (ft., MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen[j] (mg/L)	pH[j]
Domestic Irrigation Wells														
642 H	03/13/02	NA	NA	NA	NA	NA	----------No Access to Well----------							
	06/28/02				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	09/20/02				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	12/30/02				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	03/27/03				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03				NA	NA	----------No Access to Well----------							
	09/15/03				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	12/04/03				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	03/10/04				NA	NA	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**8.8**	**7.9**
17349 VM	03/13/02	NA	NA	NA	NA	NA	ND<50	1	ND<0.50	ND<0.50	ND<0.50	49		
	06/28/02				NA	NA	66	0.50	ND<0.50	ND<0.50	ND<0.50	45(47)[l]	--	--
	09/20/02				NA	NA	----------Well Destroyed----------							
17372 VM	03/13/02	NA	NA	NA	NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5		
	06/28/02				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	09/20/02				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	12/30/02				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	03/27/03				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	06/30/03				NA	NA	----------No Access to Well----------							
	09/15/03				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	12/04/03				NA	NA	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
	03/10/04				NA	NA	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	--	4.1

Table 2
Groundwater Elevation and Analytical Data - Groundwater Monitoring Wells
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Note:	Samples analyzed by EPA Method 8260B. Prior to March 27, 2003 TPH-g was analyzed by EPA Method 8015; benzene, toluene, ethyl benzene, total xylenes and MTBE were analyzed by EPA Method 8021B. 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.
GRO	= Gasoline Range Organic, C6 - C10 Range
µg/L	= Micrograms per liter
MSL	= Mean sea level
MTBE	= Methyl tertiary butyl ether
NA	= Not Available, data not collected
ND<	= Not detected at or above specified laboratory method detection limit
NP	=Not Purged
P	= Purged
TOC	= Top of casing
TPH	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015, Modified
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	= Field measurements
k	= Site surveyed to NAVD'88 datum on March 2, 2004
l	= MTBE confirmed by EPA Method 8260B (Method 8260B result in parentheses)
Source:	The data within this table collected prior to June 2002 was provided to URS by ARCO and their previous consultants. URS has not verified the accuracy of this information.

Table 3

Groundwater Flow Direction and Gradient

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
06/28/02	West	0.003
09/20/02	West	0.002
12/30/02	West	0.003
03/27/03	West	0.002
06/30/03	West-Southwest	0.001
09/15/03	West	0.003
03/10/04	**West**	**0.003**

Table 4
Fuel Oxygenate Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

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)
Groundwater Monitoring Wells									
MW-5	03/27/03	ND<100	24	59	ND<0.50	ND<0.50	2.2	NA	NA
	06/30/03	ND<100	22	58	ND<0.50	ND<0.50	2.1	ND<0.50	ND<0.50
	09/15/03	ND<500	ND<100	61	ND<2.5	ND<2.5	2.5	NA	NA
	12/04/03	ND<100	ND<20	42	ND<0.50	ND<0.50	1.9	NA	NA
	03/10/04	**ND<100**	**ND<20**	**9.5**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-8	03/27/03	ND<100	ND<20	33	ND<0.50	ND<0.50	0.53	NA	NA
	06/30/03	ND<100	ND<20	15	ND<0.50	ND<0.50	0.85	ND<0.50	ND<0.50
	09/15/03	ND<100	ND<20	41	ND<0.50	ND<0.50	5.3	NA	NA
	12/04/03	ND<100	ND<20	24	ND<0.50	ND<0.50	3.7	NA	NA
	03/10/04	**ND<100**	**ND<20**	**2.4**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-9	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/10/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-10	03/27/03	ND<1,000	ND<200	330	ND<5.0	ND<5.0	15	NA	NA
	06/30/03	ND<2,000	ND<400	750	ND<10	ND<10	28	ND<10	ND<10
	09/15/03	ND<1,000	ND<200	430	ND<5.0	ND<5.0	15	ND<5.0	ND<5.0
	12/04/03	ND<500	ND<100	110	ND<2.5	ND<2.5	4.8	NA	NA
	03/10/04	**ND<500**	**120**	**140**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**ND<2.5**
MW-11	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/30/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/15/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/04/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	03/10/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
E-1A[1]	03/27/03	ND<100	ND<20	60	ND<0.50	ND<0.50	2.3	NA	NA
	06/30/03	ND<100	ND<20	37	ND<0.50	ND<0.50	1.6	ND<0.50	ND<0.50
	09/15/03	ND<100	ND<20	49	ND<0.50	ND<0.50	2.4	ND<0.50	ND<0.50
	12/04/03	ND<100	ND<20	19	ND<0.50	ND<0.50	0.89	NA	NA
	03/10/04	**ND<200**	**ND<40**	**38**	**ND<1.0**	**ND<1.0**	**2.3**	**ND<1.0**	**ND<1.0**
MW-14	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
MW-15	03/27/03	ND<100	ND<20	17	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/30/03	ND<100	ND<20	12	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/15/03	ND<100	ND<20	10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/04/03	ND<100	ND<20	6.4	ND<0.50	ND<0.50	ND<0.50	NA	NA
	03/10/04	**ND<100**	**ND<20**	**11**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**

Table 4
Fuel Oxygenate Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

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)
Groundwater Monitoring Wells									
MW-16	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/10/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-18	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
MW-21	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
MW-22	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	ND<1,000	ND<200	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	03/10/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-23	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
MW-25	03/27/03	ND<100	ND<20	90	ND<0.50	ND<0.50	40	NA	NA
	06/30/03	ND<1,000	ND<200	130	ND<5.0	ND<5.0	81	ND<5.0	ND<5.0
	09/15/03	ND<200	ND<40	140	ND<1.0	ND<1.0	71	ND<1.0	ND<1.0
	12/04/03	ND<100	ND<20	36	ND<0.50	ND<0.50	17	NA	NA
	03/10/04	**ND<100**	**ND<20**	**14**	**ND<0.50**	**ND<0.50**	**6.5**	**ND<0.50**	**ND<0.50**
MW-26	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
Domestic Irrigation Wells									
642 H	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/04/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	03/10/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
17372 VM	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/04/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	03/10/04	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**

Note:
All fuel oxygenate compounds analyzed using EPA Method 8260B

Abbreviations:

1,2-DCA	= 1,2-Dichloroethane
DIPE	= Di-isopropyl ether
EDB	= 1,2-Dibromoethane
ETBE	= Ethyl tert butyl ether
mg/L	= micrograms per liter
MTBE	= Methyl tert-butyl ether
NA	= Not analyzed
ND<	= Not detected above laboratory reporting limits.
TAME	= tert-Amyl methyl ether
TBA	= tert-Butyl alcohol
[1]	= Previously named MW-12

Table 5
Groundwater Extraction System Performance Data
ARCO 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	96	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	52,532		39,688	13.0	ND	N/A	0.00	0.52	0.000	0.00	N/A	N/A	N/A	0.0
12/19/91	322	62	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	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	485,200		201,911	4.1	370	0.31	0.31	14	0.012	0.01	N/A	N/A	N/A	0.4
03/17/92	2,462	0	662,847		177,647	4.5	160	0.39	0.70	18	0.024	0.04	N/A	N/A	N/A	0.9
04/15/92	3,150	1	851,100		188,253	4.6	200	0.28	0.99	11	0.023	0.06	N/A	N/A	N/A	1.2
05/14/92	3,849	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	1,229,960		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	52	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	1,651,623		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	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	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	1,915,165		50,865	2.9	100	0.04	1.27	13	0.004	0.10	N/A	N/A	N/A	1.6
02/22/93	9,607	0	2,096,930		181,765	3.7	480	0.44	1.71	36	0.037	0.13	N/A	N/A	N/A	2.1
03/15/93	10,113	0	2,205,833		108,903	3.6	310	0.36	2.07	29	0.030	0.16	N/A	N/A	N/A	2.6
04/09/93	10,517	33	2,298,770		92,937	3.8	140	0.17	2.25	11	0.015	0.18	N/A	N/A	N/A	2.8
05/13/93	11,211	15	2,449,160		150,390	3.6	530	0.42	2.67	27	0.024	0.20	N/A	N/A	N/A	3.3
06/04/93	11,734	1	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	2,689,697		146,197	2.9	200	0.23	3.17	12	0.010	0.22	N/A	N/A	N/A	4.0
08/16/93	13,219	0	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	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	1	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	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	3,113,565		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	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	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	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	31	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	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	3,518,608	a	39,698	2.0	230	0.08	3.71	12	0.003	0.25	N/A	N/A	N/A	4.6
07/14/94	20,145	35	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

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

						GRO/TPH-g			Benzene			MtBE			
Influent Sample Date	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	Influent Concen-tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen-tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen-tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Primary MtBE Carbon Loading (%)
08/17/94	20,920	5	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	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	1	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	280,840	68,960	1.7	ND	0.00	3.93	0.66	0.000	0.26	N/A	N/A	N/A	4.9
12/05/94	23,489	15	325,830	44,990	1.8	470	0.09	4.02	32	0.006	0.27	N/A	N/A	N/A	5.0
01/04/95	24,205	1	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	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	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	1	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	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	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	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	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	N/A	0.00	N/A g
06/05/00	29,593	0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361	0.01	0.01	N/A g
07/08/00	30,352	4	1,131,560	151,760	3.3	133	0.53	5.43	5.1	0.008	0.30	272	0.40	0.41	N/A g
08/07/00	30,955	16	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126	0.16	0.57	N/A g
09/08/00	31,528	25	1,306,300	78,060	2.3	261	0.13	5.68	2.7	0.002	0.30	120	0.08	0.65	N/A g
10/10/00	32,230	9	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.69	N/A g
11/07/00	32,880	3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.73	N/A g
12/05/00	33,516	5	1,548,840	75,910	2.0	167	0.09	5.99	0.775	0.000	0.31	104	0.06	0.79	N/A g
01/04/01	33,924	43	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.83	N/A g
02/06/01	34,556	20	1,672,330	76,990	2.0	203	0.07	6.08	0.572	0.000	0.31	80.5	0.05	0.88	N/A g
03/08/01	34,776	70	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.90	N/A g
03/24/01	35,088	19	1,741,170	42,310	2.3	NS †	0.07	6.20	NS †	0.000	0.31	NS †	0.03	0.93	N/A g
04/18/01	35,335	59	1,770,860	29,690	2.0	74.5	0.04	6.24	ND	0.000	0.31	97.5	0.02	0.95	N/A g
05/04/01	35,716	0	1,812,690	41,830	1.8	63.3	0.02	6.26	ND	0.000	0.31	93.2	0.03	0.98	N/A g
06/09/01	36,345	27	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	71	0.05	1.03	N/A g
07/05/01 h	36,469	80	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430	0.04	1.07	N/A g
08/14/01 h	36,822	63	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0.000	0.31	870	0.17	1.24	N/A g
09/05/01	37,219	25	1,977,050	48,540	2.0	ND(100)	0.06	6.42	ND(1.0)	0.000	0.31	340	0.24	1.48	N/A g
10/05/01	37,932	0	2,040,950	63,900	1.5	ND	0.00	6.42	ND	0.000	0.31	150	0.13	1.61	N/A g
11/13/01	38,820	0	2,119,670	78,720	1.5	ND	0.00	6.42	ND	0.000	0.31	92	0.08	1.69	N/A g
12/11/01	39,496	0	2,186,530	66,860	1.6	65	0.02	6.44	ND	0.000	0.31	83	0.05	1.74	N/A g
01/04/02	40,063	0	2,248,700	62,170	1.8	ND(50)	0.02	6.46	ND	0.000	0.31	140	0.06	1.80	N/A g
02/05/02	40,830	0	2,333,090	84,390	1.8	100	0.04	6.49	ND	0.000	0.31	190	0.12	1.91	N/A g

Table 5
Groundwater Extraction System Performance Data
ARCO 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 Concen-tration (µg/L)	GRO/TPH-g Net Removed (pounds)	GRO/TPH-g Removed To Date (pounds)	Benzene Influent Concen-tration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MtBE Influent Concen-tration (µg/L)	MtBE Net Removed (pounds)	MtBE Removed To Date (pounds)	Primary MtBE Carbon Loading (%)	
03/05/02	40,968	79	2,353,460	20,370	2.5	150	0.02	6.51	ND(1.2)	0.000	0.31	350	0.05	1.96	N/A	g
04/08/02	41,735	6	2,448,360	94,900	2.1	400	0.22	6.73	9.6	0.004	0.31	260	0.24	2.20	N/A	g
05/16/02	42,642	1	2,499,320	50,960	0.9	310	0.15	6.88	ND(1.0)	0.002	0.31	330	0.13	2.33	N/A	g
05/31/02	42,832	47	2,503,380	4,060	0.4	NS	0.00	6.88	NS	0.000	0.31	NS	0.00	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	0.00	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	0.00	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	0.00	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	0.01	2.34	N/A	g
12/05/02	479	29	2,528,113	188	0.0	220	0.00	6.89	ND(1.0)	0.000	0.31	110	0.00	2.34	N/A	g
01/03/03	1,174	0	2,591,359	63,246	1.5	170	0.10	7.00	ND(1.0)	0.000	0.31	140	0.07	2.40	N/A	g
02/13/03	2,156	0	2,692,710	101,351	1.72	ND(250)	0.07	7.07	ND(2.5)	0.000	0.31	66	0.09	2.49	N/A	g
03/27/03	3,165	0	2,790,668	97,958	1.62	110	0.04	7.11	ND(0.50)	0.000	0.31	71	0.06	2.55	N/A	g
04/24/03	4,172	0	2,865,050	74,382	1.23	120	0.07	7.19	ND(0.50)	0.000	0.31	56	0.04	2.59	N/A	g
05/30/03	4,459	67	2,931,190	66,140	3.83	20	0.04	7.22	ND(5.0)	0.000	0.31	ND(50)	0.00	2.59	N/A	g
06/19/03	4,940	0	2,971,985	40,795	1.41	160	0.03	7.25	ND(5.0)	0.000	0.31	46	0.01	2.59	N/A	g
07/24/03	5,331	86	2,972,362	181,694	1.40	51	0.12	7.38	ND(0.50)	0.000	0.31	41	0.08	2.68	N/A	g
08/28/03	6,165	1	3,040,900	68,538	1.37	ND(50)	0.01	7.39	ND(0.50)	0.000	0.31	30	0.02	2.70	N/A	g
09/25/03	6,838	0	3,095,020	54,120	1.34	ND(50)	0.00	7.39	ND(0.50)	0.000	0.31	28	0.01	2.71	N/A	g
10/23/03	7,512	0	3,149,200	177,215	1.15	ND(50)	0.00	7.39	ND(0.50)	0.000	0.31	28	0.04	2.75	N/A	g
11/20/03	8,182	0	3,204,612	55,412	1.38	ND(50)	0.00	7.39	ND(0.50)	0.000	0.31	22	0.01	2.76	N/A	g
12/18/03	8,851	1	3,264,487	30,531	1.53	52	0.01	7.40	ND(0.50)	0.000	0.31	27	0.00	2.77	N/A	g
01/08/04	**9,356**	**1**	**3,312,485**	**47,998**	**1.58**	**--**	**0.00**	**7.40**	**--**	**0.000**	**0.31**	**--**	**0.00**	**2.77**	**N/A**	**g**
01/22/04	**9,690**	**1**	**3,344,994**	**32,509**	**1.62**	**ND(50)**	**0.00**	**7.40**	**ND(0.50)**	**0.000**	**0.31**	**27**	**0.00**	**2.77**	**N/A**	**g**
02/19/04	**10,357**	**2**	**3,410,457**	**32,947**	**1.66**	**ND(50)**	**0.00**	**7.40**	**ND(0.50)**	**0.000**	**0.31**	**25**	**0.00**	**2.78**	**N/A**	**g**
03/18/04	**11,030**	**0**	**3,480,800**	**70,343**	**1.74**	**ND(50)**	**0.00**	**7.40**	**ND(0.50)**	**0.000**	**0.31**	**27**	**0.02**	**2.80**	**N/A**	**g**

REPORTING PERIOD:	**01/08/04 to 03/18/04**			
TOTAL GALLONS EXTRACTED:	**7,416,600**			
PERIOD GALLONS EXTRACTED:	**216,313**			
TOTAL POUNDS REMOVED:		**7.40**	**0.31**	**2.80**
TOTAL GALLONS REMOVED:		**1.21**	**0.04**	**0.45**
AVERAGE PERIOD FLOW RATE (gpm):	**1.64**			
PERIOD PERCENT OPERATIONAL:	**99.7%**			
PERIOD POUNDS REMOVED:		**0.00**	**0.000**	**0.03**
PERIOD GALLONS REMOVED:		**0.00**	**0.000**	**0.00**

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

TPH-g = Total purgeable petroleum hydrocarbons as gasoline	a. Totalizer broken; volume estimated from hourmeter and flow rate.
GRO = Gsoline range organics, C6 to C10 range	b. Volume estimated from hourmeter and instantaneous flow rate.
gpm = Gallons per minute	c. Sewer totalizer replaced July 28, 1994; volume discharged estimated between July 14 and 28, 1994 at 2.0 gpm.
µg/L = Micrograms per liter	d. GWE system temporarily shut down August 21, 1995.
N/A = Not available or not applicable	e. GWE system restarted June 5, 2000.
ND = Not detected above detection limit	f. Prior to June 5, 2000 primary carbon loading for benzene estimated using isotherm of 8 percent by weight.
NS = Not sampled	g. Cannot predict Primary carbon MtBE loading because MtBE wasn't tracked prior to 6/5/00.
† = Assume same concentration as prior sampling event	h. System down during construction to main sewer line from approx. 6/25/01; restarted 8/14/01.
Densities: Gasoline = 6.1 lbs/gallon; Benzene = 7.34 lbs/gallon; MTBE = 6.18 lbs/gallon (MTBE not quantified prior to 6/5/00)	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 (TPHg) 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
ARCO 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	0.5	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	6.0	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	1.0	NS	NS	NS	NA	NA
08/21/95	230	1.8	ND<0.50	1.6	0.9	NS	NS	NS	NA	NA
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	2.80	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

Table 6
Treatment System Analytical Data
ARCO 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.)										
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	81.0	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	0.70	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 '	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	66	NS	NS	NA	NA
3/27/03 '	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
4/24/03 '	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	56	NS	NS	NA	NA
5/30/03 '	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) '	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30 (40) '	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) '	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**
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

Table 6
Treatment System Analytical Data
ARCO 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.)										
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
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	9.0	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 *	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	130	NS	NS	NA	NA
3/27/03 *	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	120	NS	NS	NA	NA
4/24/03 *	280	ND<2.5	ND<2.5	ND<2.5	ND<2.5	110	NS	NS	NA	NA
5/30/03 *	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) *	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	NS	NS	NA	NA
01/22/04	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**1**	**NS**	**NS**	**NA**	**NA**
02/19/04	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**1**	**NS**	**NS**	**NA**	**NA**
03/18/04	**67**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	**1**	**NS**	**NS**	**NA**	**NA**

Table 6
Treatment System Analytical Data
ARCO 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 teriary 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	1.0	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**
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

Table 6
Treatment System Analytical Data
ARCO 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)
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
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	44.0	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

Table 6
Treatment System Analytical Data
ARCO 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.)										
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	7.5	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
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 [1]	**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 [1]	**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**

µg/L	=Micrograms per liter
COD	=Chemical oxygen demand, analyzed using EPA Method 410.4
DO	=Dissolved Oxygen, field measurement
GRO	= Gasoline Range organics C6-C10 Range
mg/L	=Milligrams per liter
MtBE	=Methyl tert Butyl Ether, analyzed using EPA Method 8015B/8021B
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, analyzed using EPA Method 8015B/8021B
TSS	=Total suspended solids, analyzed using EPA Method 160.2
1	=Analyzed with EPA Method 8260
2	=MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).

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 (TPHg) 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.

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 # 040310-JP1 Date 3-10-04 Client ARCO 608

Site 17601 Hesperian Blvd, San Lorenzo

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					10.34	13.61	TOC	+3 vol's
MW-8	3					9.04	20.91		
MW-9	3					8.46	18.22 ~~18.42~~ JP		
MW-10	3					8.57	22.42		
MW-11	3					9.41	18.84		
E-1A (MW-12)	6	- Gauged w/ pump in well				16.78	-		Ent.
MW-14	3					7.90	23.04		GO
MW-15	3					9.09	23.26		
MW-16	3					9.66	23.13		
MW-18	3					8.78	21.26		GO
MW-21	3					8.60	21.54		GO
MW-22	3					9.24	21.45		
MW-23	3					10.24	21.69		GO
MW-25	2					10.04	18.48		
MW-26	2					10.45	19.52		GO
6421H	-	- Gauged w/ pump in well				13.35	-		
17372VM	-	Unable to Gauge. - No access to well due to shack over well				-	-		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.61	Depth to Water: 10.34
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.

2.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 6.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1239	73.4	7.3	954	2	Clear
1241	73.8	6.7	956	4	"
1243	72.5	6.6	953	6.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.5

Sampling Time: 1245 Sampling Date: 3-10-04

Sample I.D.: MW-5 Laboratory: Pace (Sequoia) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:	mg/L	~~Post-purge:~~	1.2	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-8	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: 20.91	Depth to Water: 9.04
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.

4.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 12.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1201	73.3	7.0	931	4.5	Cloudy
1203	69.3	6.7	928	9	clear
1205	68.7	6.8	935	13	"

Did well dewater? Yes (No) Gallons actually evacuated: 13

Sampling Time: 1210 Sampling Date: 3-10-04

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	0.9 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-9	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 18.22	Depth to Water: 8.46
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.

3.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 10.8 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1219	70.6	7.7	946	3.5	Brown cloudy
1221	67.6	7.6	940	7	"
1223	68.1	7.3	948	11	Clear

Did well dewater? Yes (No) Gallons actually evacuated: 11

Sampling Time: 1225 Sampling Date: 3-10-04

Sample I.D.: MW-9 Laboratory: Pace (Sequoia) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-10	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 22.42	Depth to Water: 8.57
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.

5.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 15.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1130	70.4	7.3	833	5	cloudy
1132	68.1	6.7	835	10	clear
1134	67.0	6.5	846	15.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 15.5

Sampling Time: 1140 Sampling Date: 3-10-04

Sample I.D.: MW-10 Laboratory: Pace (Sequoia) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	1.2	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-11	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 18.84	Depth to Water: 5.41
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.

3.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 10.2 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1108	69.3	7.2	1004	3.5	Clear
1110	68.6	6.7	999	7	"
1112	67.2	6.9	1004	10.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Time: 1115 Sampling Date: 3-10-04

Sample I.D.: MW-11 Laboratory: Pace (Sequoia) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

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 #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-1S	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 23.26	Depth to Water: 9.09
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: _____

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.

5.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 15.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1045	69.6	7.2	945	5	clear
1050	67.1	6.7	943	11	11
1055	66.6	6.9	953	16	11

Did well dewater? Yes (No)		Gallons actually evacuated: 16	
Sampling Time: 1100		Sampling Date: 3-10-04	
Sample I.D.: MW-1S		Laboratory: Pace (Sequoia) Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: Refer to COC	
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 #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-16	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 23.13	Depth to Water: 9.66
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.

4.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 14.7 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0948	67.8	7.1	800	5	dark grey, slt. cloudy
0951	66.2	6.6	758	10	clear
0954	65.9	6.5	777	15	11

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Time: 1000 Sampling Date: 3-10-04

Sample I.D.: MW-16 Laboratory: Pace (Sequoia) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge)	2.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-22	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 21.45	Depth to Water: 9.24
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.

4.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 13.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0921	~~1384~~ 69.8	5.6	1386	4.5	Cloudy, greyish
0923	65.3	6.1	926	9	"
0926	65.6	6.6	903	13.5	Clear

Did well dewater? Yes (No) Gallons actually evacuated: 13.5

Sampling Time: 0936 Sampling Date: 3-10-04

Sample I.D.: MW-22 Laboratory: Pace (Sequoia) Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.3	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: MW-25	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 18.48	Depth to Water: 10.04
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: ___

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
1255	68.9	7.0	1006	1.5	Cloudy
1257	66.8	6.7	1007	3	Cloudy
1259	66.4	6.7	1009	4	Clear

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Time: 1300 Sampling Date: 3-10-04

Sample I.D.: MW-25 Laboratory: Pace (Sequoia) Other ___

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:		mg/L	(Post-purge:)	1.2 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: E-1A	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: —	Depth to Water: 16.78
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 Case Volume (Gals.)) x Ext. Syst. (Specified Volumes) = ___ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1355	76.5	7.2	954	—	Cloudy

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

Sampling Time: 1355 Sampling Date: 3-10-04

Sample I.D.: E-1A Laboratory: Pace (Sequoia) Other ___

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:) 4.9	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
Well I.D.: 642H	Well Diameter: 2 3 4 6 8 NA
Total Well Depth: —	Depth to Water: 13.35
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: _____

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) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0937	~ no	one at Home			
1420	69.3	6.8	220	—	clear

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

Sampling Time: 1420 Sampling Date: 3-10-04

Sample I.D.: 642H Laboratory: Pace (Sequoia) Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Refer to COC

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	7-9 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-JP1	Station # 608
Sampler: M. Pyrch	Date: 3-10-04
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: ____

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 Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1010				—	Clear
	- Let purge run for 2 min prior to sampling				

Did well dewater? Yes (No)		Gallons actually evacuated: —	
Sampling Time: 1010		Sampling Date: 3-10-04	
Sample I.D.: 17372 VM		Laboratory: Pace (Sequoia) Other ____	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: Refer to 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:

0608

Station #

17601 Hesperian Blvd, San Lorenzo

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

113

added equip. rinse water 5 gal

any other adjustments

TOTAL GALS. RECOVERED 118

loaded onto BTS vehicle # 23

BTS event #	time	date
040310-SP1	1430	3/10/04

signature

* *

REC'D AT	time	date
		/ /

unloaded by signature

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

Date: 1/8/04

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)	36257 kwh	HOUR METER READING (hrs)	9356.3
		Time:	1055

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3312470	3312485
FILTER INLET PRESSURE (psig)	12.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	10.5 / [illegible]	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	9.2 / 4.0	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Air builds up within system from continual operation. Air bubbles must be present in influent water. Bleed out air to reduce pressure on carbon vessels.

System Average 2,282 gpd

Date: 1/22/04

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

System Description:

8:30 – 11:00

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)	36456	HOUR METER READING (hrs)	9690.0
		Time:	0830

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3344902	3344994
FILTER INLET PRESSURE (psig)	13.0	(ideal range: 8 to 12 psig) 12.0
CARBON #1 INLET PRESSURE (psig)	10.6	(ideal range: 5 to 9 psig) 11.1
CARBON #2 INLET PRESSURE (psig)	9.5 / 5.0	(ideal range: 1 to 4 psig) 8.8 / 4.5
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig) 0

PART B: COMMENTS Inspected primary carbon. No silt or sediment deposits found. No unusual hardening of carbon present. A lot of air build-up in carbon vessels occuring. Will install air bleed valves and inspect pump next Trip. Current Draw from pump unable to determine at this time due to control switch for shut-off range outside the specs of the new pump.

OLD clamp-dry run protection by watching current

Now - Smart Pump

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

KV 1/26/04

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	1/22
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	1/22
MID-1	TPH-gasoline, BTEX compounds, MtBE	1/22
MID-2	TPH-gasoline, BTEX compounds, MtBE	1/22

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	16.5 C	990 uS	7.12	0.85

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	N/A		

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

KV 1/26/04

Date: 5/2/04
February 5, 2004
MJ

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)	36658	HOUR METER READING (hrs)	10025.8
		Time:	1200

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,377,500	3,377,510
FILTER INLET PRESSURE (psig)	8	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	5.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	3.5/3.5	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Installed Air Relief Valves on top of inlet to each carbon vessel. Total Cost $383.68 (GRAINGER)
Changed Bag Filter.
Air entering system from pump. No way to eliminate this due to pump push air when well de-waters prior to shutting off. Dry run protection is sensed by current draw reduction.

TK 2/6/04

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 8/19/04

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 8/19/04

	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	N/A		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES		BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS			

KJ 2/6/04

Date: 2/19/04

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)	36850	HOUR METER READING (hrs)	10356.5
		Time:	0645

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3410355	3410457
FILTER INLET PRESSURE (psig)	10	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	8	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	4.5	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Air Relief valves functioning good.

W 2/23/04

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	2/19
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	2/19
MID-1	TPH-gasoline, BTEX compounds, MtBE	2/19
MID-2	TPH-gasoline, BTEX compounds, MtBE	2/19

PART E: READINGS (Monthly)

	TEMP (~~F~~)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	14.2°C	826	6.57	3.82

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	No		

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

KV 2/22/04

Date: 3/4/04

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)	37061	HOUR METER READING (hrs)	10695.4
		Time:	0945

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,446,500	3,446,501
FILTER INLET PRESSURE (psig)	8	(ideal range: 8 to 12 psig)
CARBON #1 INLET / #2 PRESSURE (psig)	7.5 / 6.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	4.0	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS System averaging 2,560 gal/day.

N 3/5/04

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 3/18/04

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 3/18/04

	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)	No
PUMP AMP DRAW	~~[illegible]~~	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	No		

PART G: SYSTEM MAINTENANCE II (Quarterly) To be Completed April

TEST ALARM SWITCHES		BACKFLUSH CARBONS	
CLEAN TOTALIZERS			

3/15/04

Date: 3/18/04

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)	37257	HOUR METER READING (hrs)	11030.3
		Time:	0837

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,480,800	3,480,890
FILTER INLET PRESSURE (psig)	8.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	6.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	6.0 / 4.6	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	1.0	(ideal range: 0 to 2 psig)

PART B: COMMENTS System Average: 2,085 gal/day

RECEIVED
MAR 18 2004

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

JV 3/20/04

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	3/18
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	3/18
MID-1	TPH-gasoline, BTEX compounds, MtBE	3/18
MID-2	TPH-gasoline, BTEX compounds, MtBE	3/18

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	19.8°C	1032 uS	7.08	0.97

PART F: SYSTEM MAINTENANCE I (Monthly)

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

RECEIVED

MAR 18 2004

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

KJ 3/20/04

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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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	MNC0329-01	Water	03/10/04 12:45	03/11/04 15:28
MW-8	MNC0329-02	Water	03/10/04 12:10	03/11/04 15:28
MW-9	MNC0329-03	Water	03/10/04 12:25	03/11/04 15:28
MW-10	MNC0329-04	Water	03/10/04 11:40	03/11/04 15:28
MW-11	MNC0329-05	Water	03/10/04 11:15	03/11/04 15:28
E-1A	MNC0329-06	Water	03/10/04 13:55	03/11/04 15:28
MW-15	MNC0329-07	Water	03/10/04 11:00	03/11/04 15:28
MW-16	MNC0329-08	Water	03/10/04 10:00	03/11/04 15:28
MW-22	MNC0329-09	Water	03/10/04 09:30	03/11/04 15:28
MW-25	MNC0329-10	Water	03/10/04 13:00	03/11/04 15:28
642H	MNC0329-11	Water	03/10/04 14:20	03/11/04 15:28
17372 VM	MNC0329-12	Water	03/10/04 10:10	03/11/04 15:28

These samples were received with intact custody seals.

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MNC0329-01) Water Sampled: 03/10/04 12:45 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**9.5**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82.2 %*	*78-129*		"	"	"	"	
MW-8 (MNC0329-02) Water Sampled: 03/10/04 12:10 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.4**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.2 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MNC0329-03) Water Sampled: 03/10/04 12:25 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*		*78-129*	"	"	"	"	
MW-10 (MNC0329-04) Water Sampled: 03/10/04 11:40 Received: 03/11/04 15:28									
Ethanol	ND	500	ug/l	5	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	**120**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**140**	2.5	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**420**	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*78-129*	"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MNC0329-05) Water Sampled: 03/10/04 11:15 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*78-129*		"	"	"	
E-1A (MNC0329-06) Water Sampled: 03/10/04 13:55 Received: 03/11/04 15:28									
Ethanol	ND	200	ug/l	2	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	40	"	"	"	"	"	"	
Methyl tert-butyl ether	**38**	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
tert-Amyl methyl ether	**2.3**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*78-129*		"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-15 (MNC0329-07) Water Sampled: 03/10/04 11:00 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**11**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*78-129*	"	"	"	"	
MW-16 (MNC0329-08) Water Sampled: 03/10/04 10:00 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.4 %*		*78-129*	"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-22 (MNC0329-09) Water Sampled: 03/10/04 09:30 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*		*78-129*	"	"	"	"	
MW-25 (MNC0329-10) Water Sampled: 03/10/04 13:00 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**14**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	**6.5**	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*78-129*	"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
642H (MNC0329-11) Water Sampled: 03/10/04 14:20 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*		*78-129*		"	"	"	
17372 VM (MNC0329-12) Water Sampled: 03/10/04 10:10 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C18001	03/18/04	03/18/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.6 %*		*78-129*		"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

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 4C18001 - EPA 5030B Modified										
Blank (4C18001-BLK1)				Prepared & Analyzed: 03/18/04						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.25*		"	*5.00*		*85.0*	*78-129*			
Laboratory Control Sample (4C18001-BS1)				Prepared & Analyzed: 03/18/04						
Ethanol	201	100	ug/l	200		100	31-143			
tert-Butyl alcohol	44.6	20	"	50.0		89.2	56-131			
Methyl tert-butyl ether	9.39	0.50	"	10.0		93.9	63-137			
Di-isopropyl ether	9.05	0.50	"	10.0		90.5	76-130			
Ethyl tert-butyl ether	9.31	0.50	"	10.0		93.1	81-121			
tert-Amyl methyl ether	8.30	0.50	"	10.0		83.0	82-140			
1,2-Dichloroethane	8.53	0.50	"	10.0		85.3	77-136			
1,2-Dibromoethane (EDB)	9.25	0.50	"	10.0		92.5	77-132			
Benzene	9.44	0.50	"	10.0		94.4	69-124			
Toluene	10.1	0.50	"	10.0		101	78-129			
Ethylbenzene	9.73	0.50	"	10.0		97.3	84-132			
Xylenes (total)	29.1	0.50	"	30.0		97.0	83-137			
Surrogate: 1,2-Dichloroethane-d4	*4.35*		"	*5.00*		*87.0*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

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 4C18001 - EPA 5030B Modified										
Laboratory Control Sample (4C18001-BS2)				Prepared & Analyzed: 03/18/04						
Methyl tert-butyl ether	7.79	0.50	ug/l	10.1		77.1	63-137			
Benzene	5.06	0.50	"	6.48		78.1	69-124			
Toluene	35.4	0.50	"	29.7		119	78-129			
Ethylbenzene	8.27	0.50	"	7.20		115	84-132			
Xylenes (total)	41.3	0.50	"	33.7		123	83-137			
Gasoline Range Organics (C6-C10)	393	50	"	440		89.3	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.38*		"	*5.00*		*87.6*	*78-129*			
Laboratory Control Sample Dup (4C18001-BSD1)				Prepared & Analyzed: 03/18/04						
Ethanol	199	100	ug/l	200		99.5	31-143	1.00	20	
tert-Butyl alcohol	51.5	20	"	50.0		103	56-131	14.4	20	
Methyl tert-butyl ether	11.2	0.50	"	10.0		112	63-137	17.6	20	
Di-isopropyl ether	10.5	0.50	"	10.0		105	76-130	14.8	20	
Ethyl tert-butyl ether	10.8	0.50	"	10.0		108	81-121	14.8	20	
tert-Amyl methyl ether	9.64	0.50	"	10.0		96.4	82-140	14.9	20	
1,2-Dichloroethane	10.0	0.50	"	10.0		100	77-136	15.9	20	
1,2-Dibromoethane (EDB)	11.2	0.50	"	10.0		112	77-132	19.1	20	
Benzene	11.1	0.50	"	10.0		111	69-124	16.2	20	
Toluene	11.8	0.50	"	10.0		118	78-129	15.5	20	
Ethylbenzene	11.2	0.50	"	10.0		112	84-132	14.0	20	
Xylenes (total)	33.2	0.50	"	30.0		111	83-137	13.2	20	
Surrogate: 1,2-Dichloroethane-d4	*4.42*		"	*5.00*		*88.4*	*78-129*			
Laboratory Control Sample Dup (4C18001-BSD2)				Prepared & Analyzed: 03/18/04						
Methyl tert-butyl ether	9.08	0.50	ug/l	10.1		89.9	63-137	15.3	20	
Benzene	5.78	0.50	"	6.48		89.2	69-124	13.3	20	
Toluene	36.8	0.50	"	29.7		124	78-129	3.88	20	
Ethylbenzene	8.53	0.50	"	7.20		118	84-132	3.10	20	
Xylenes (total)	42.9	0.50	"	33.7		127	83-137	3.80	20	
Gasoline Range Organics (C6-C10)	406	50	"	440		92.3	70-124	3.25	20	
Surrogate: 1,2-Dichloroethane-d4	*4.71*		"	*5.00*		*94.2*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

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 4C18001 - EPA 5030B Modified										
Matrix Spike (4C18001-MS1)	**Source: MNC0329-01**			Prepared: 03/18/04		Analyzed: 03/19/04				
Methyl tert-butyl ether	36.4	0.50	ug/l	20.2	9.5	133	63-137			
Benzene	13.7	0.50	"	13.0	ND	105	69-124			
Toluene	45.7	0.50	"	59.4	0.49	76.1	78-129			QM02
Ethylbenzene	15.9	0.50	"	14.4	0.15	109	84-132			
Xylenes (total)	66.5	0.50	"	67.4	0.49	97.9	83-137			
Gasoline Range Organics (C6-C10)	738	50	"	880	45	78.8	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.11*		"	*5.00*		*102*	*78-129*			
Matrix Spike Dup (4C18001-MSD1)	**Source: MNC0329-01**			Prepared: 03/18/04		Analyzed: 03/19/04				
Methyl tert-butyl ether	27.5	0.50	ug/l	20.2	9.5	89.1	63-137	27.9	20	QC20
Benzene	12.8	0.50	"	13.0	ND	98.5	69-124	6.79	20	
Toluene	46.4	0.50	"	59.4	0.49	77.3	78-129	1.52	20	QM02
Ethylbenzene	16.6	0.50	"	14.4	0.15	114	84-132	4.31	20	
Xylenes (total)	67.9	0.50	"	67.4	0.49	100	83-137	2.08	20	
Gasoline Range Organics (C6-C10)	ND	50	"	880	45	NR	70-124		20	QM02
Surrogate: 1,2-Dichloroethane-d4	*3.88*		"	*5.00*		*77.6*	*78-129*			*S02*

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MNC0329
1333 Broadway, Suite 800	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:03

Notes and Definitions

QC20	The RPD was outside control limits. The results may still be useful for their intended purpose.
QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S02	The surrogate recovery was below control limits. The result may still be useful for its intended purpose.
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

Chain of Custody Record

MNC0329

Project Name 0608 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 3-10-04 Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time: 0800 Temp: 60°
Off-site Time: 1400 Temp: 76°
Sky Conditions: Clear
Meteorological Events: none
Wind Speed: 5 mph Direction: NE

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 600
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 #: T0600100085	Consultant/Contractor Project No.: 15-00000608.01 00127
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-778-9600 / 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/GEM Work Release No: INTRIM -50715

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analysis: TPH-G / BTEX (8015/8021+8260)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-5	1245		X			01	6				X	X				X	X	X	
2	MW-6	1210		X			02	3				X	X				X	X	X	
3	MW-9	1235		X			03	3				X	X				X	X	X	
4	MW-10	1140		X			04	3				X	X				X	X	X	
5	MW-11	1115		X			05	3				X	X				X	X	X	
6	E-19	1555		X			06	3				X	X				X	X	X	
7	MW-15	1100		X			07	3				X	X				X	X	X	
8	MW-16	1000		X			08	3				X	X				X	X	X	
9	MW-22	0930		X			09	3				X	X				X	X	X	
10	MW-25	1300		X			10	3				X	X				X	X	X	

Sampler's Name: Matthew Rych	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech	Matthew Rych / Blaine Tech	3/11/04	923		3/11/04	923
Shipment Date:		3/11/04	1528		3-11-04	1528
Shipment Method:						
Shipping No:						

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

Ice Chest Yes X No Temperature Blank Yes X No Cooler Temperature on Receipt 3.2 °F/C Trip Blank Yes X No

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

Chain of Custody Record

MNC0329

Project Name 0608 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company

Date: 3-10-04 Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time: 0800 Temp: 60°
Off-site Time: 1400 Temp: 76°
Sky Conditions: clear
Meteorological Events: none
Wind Speed: 5 mph Direction: NE

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 #: T0600100085	Consultant/Contractor Project No.: 15-00000608.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant/Contractor 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/GEM Work Release No: INTRIM -50715

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analysis: TPH-G / BTEX (8015/8021/8260)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE, DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	Sample Point Lat/Long and Comments
1	6421	1420		X			11	3				X	X				X	X	X	
2	17372WM	1610		X			12	3				X	X				X	X	X	
3	TB-608-030404	0920		X			13													ON HOLD
4																				
5																				
6																				
7																				
8																				
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Matthew Pyatt						
Courier's Company: Blaine Tech	Matthew Pyatt / Blaine Tech	3/11/04	8:23		3/11/04	8:23
Shipment Date:		3/11/04	1528	Cindi Jensen	3-11-04	1528
Shipment Method:						
Airbill No:						

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

Received on Ice: Yes X No ___ Temperature Blank Yes X No ___ Cooler Temperature on Receipt 5.2 °F/C Trip Blank Yes X No ___

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC.-BY (PRINT): RS
WORKORDER: MNC0329

DATE REC'D AT LAB: 3-11-04
TIME REC'D AT LAB: 1528
DATE LOGGED IN: 3-12-04

DRINKING WATER for regulatory purposes: YES / (NO)
WASTE WATER for regulatory purposes: YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE 3-11-04 RS

1. Custody Seal(s) on bag — (Present) / (Absent) — (Intact) / Broken*
2. Chain-of-Custody — (Present) / Absent*
3. Traffic Reports or Packing List: — Present / (Absent)
4. Airbill: — Airbill / Sticker — Present / (Absent)
5. Airbill #: ——
6. Sample Labels: — (Present) / Absent
7. Sample IDs: — (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: — (Intact) / Broken* / Leaking*
9. Does information on chain-of-custody, traffic reports and sample labels agree? — (Yes) / No*
10. Sample received within hold time: — (Yes) / No*
11. Adequate sample volume received? — (Yes) / No*
12. Proper Preservatives used: — (Yes) / No*
13. Temp Rec. at Lab: 3.2°C — Is temp 4 +/-2°C? — (Yes) / No**

(...tance range for samples requiring thermal pres.)
...tion (if any): METALS / OFF ON ICE
...blem COC

LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
		MW-5	6-voas	HCl	L	3-10-04	lot HA-4028100
		MW-8	3-voas	↓	↓	↓	
		MW-9	↓				
		MW-10					
		MW-11					
		E-1A					
		MW-15					
		MW-16					
		MW-22					
		MW-25					
		642 A					
		1737-2VA					
		TB-606-03102004	2-voas				

3-11-04 RS

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

...(10/03)
...3 (03/18/03)

SEVERN TRENT STL

Submission#: 2003-12-0643

URS-Oakland, CA

January 13, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson

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

Attached is our report for your samples received on 12/18/2003 14:30
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 02/01/2004 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#: 2003-12-0643

URS-Oakland, CA

January 13, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

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 Thursday, December 18, 2003 2:30 PM.

Analysis Coments and Flags by QC Batch

Fuel Oxygenates by 8260B (Selectable)	Water	QC Batch#: 2003/12/30-01.66

EFFL >> MS 2003/12/30-01.66-017

Compound Flag(s)

S One surrogate recovery out of control, but second surrogate within QC limits confirms test performance.

INFL 2003120643 001

Compound Flag(s)

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

SEVERN TRENT STL

Submission #: 2003-12-0643

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	12/18/2003	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	EFFL	Lab ID:	2003-12-0643 - 4
Sampled:	12/18/2003	Extracted:	12/22/2003 10:46
Matrix:	Water	QC Batch#:	2003/12/22-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	12/26/2003 08:05	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Batch QC Report

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

Method Blank **Water** **QC Batch # 2003/12/22-01.29**

MB: 2003/12/22-01.29-001 Date Extracted: 12/22/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	12/23/2003	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2003/12/22-01.29**

LCS 2003/12/22-01.29-002 Extracted: 12/22/2003 Analyzed: 12/23/2003

LCSD 2003/12/22-01.29-003 Extracted: 12/22/2003 Analyzed: 12/23/2003

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	867	841	1000	86.7	84.1	3.0	80-120	20		

SEVERN TRENT STL

Submission #: 2003-12-0643

Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	12/18/2003	Water	1
MID-1	12/18/2003	Water	2
MID-2	12/18/2003	Water	3
EFFL	12/18/2003	Water	4

Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**INFL**	Lab ID:	2003-12-0643 - 1
Sampled:	12/18/2003	Extracted:	12/30/2003 14:29
Matrix:	Water	QC Batch#:	2003/12/30-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	52	50	ug/L	1.00	12/30/2003 14:29	g
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/30/2003 14:29	
Methyl tert-butyl ether (MTBE)	27	0.50	ug/L	1.00	12/30/2003 14:29	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/30/2003 14:29	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/30/2003 14:29	
tert-Amyl methyl ether (TAME)	1.6	0.50	ug/L	1.00	12/30/2003 14:29	
Benzene	ND	0.50	ug/L	1.00	12/30/2003 14:29	
Toluene	ND	0.50	ug/L	1.00	12/30/2003 14:29	
Ethylbenzene	ND	0.50	ug/L	1.00	12/30/2003 14:29	
Total xylenes	ND	1.0	ug/L	1.00	12/30/2003 14:29	
Surrogate(s)						
1,2-Dichloroethane-d4	113.2	76-114	%	1.00	12/30/2003 14:29	
Toluene-d8	99.6	88-110	%	1.00	12/30/2003 14:29	

Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-1**	Lab ID:	2003-12-0643 - 2
Sampled:	12/18/2003	Extracted:	12/30/2003 14:53
Matrix:	Water	QC Batch#:	2003/12/30-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/30/2003 14:53	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/30/2003 14:53	
Methyl tert-butyl ether (MTBE)	1.2	0.50	ug/L	1.00	12/30/2003 14:53	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/30/2003 14:53	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/30/2003 14:53	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/30/2003 14:53	
Benzene	ND	0.50	ug/L	1.00	12/30/2003 14:53	
Toluene	ND	0.50	ug/L	1.00	12/30/2003 14:53	
Ethylbenzene	ND	0.50	ug/L	1.00	12/30/2003 14:53	
Total xylenes	ND	1.0	ug/L	1.00	12/30/2003 14:53	
Surrogate(s)						
1,2-Dichloroethane-d4	112.6	76-114	%	1.00	12/30/2003 14:53	
Toluene-d8	97.9	88-110	%	1.00	12/30/2003 14:53	

Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-2**	Lab ID:	2003-12-0643 - 3
Sampled:	12/18/2003	Extracted:	12/30/2003 15:17
Matrix:	Water	QC Batch#:	2003/12/30-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/30/2003 15:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/30/2003 15:17	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/30/2003 15:17	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/30/2003 15:17	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/30/2003 15:17	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/30/2003 15:17	
Benzene	ND	0.50	ug/L	1.00	12/30/2003 15:17	
Toluene	ND	0.50	ug/L	1.00	12/30/2003 15:17	
Ethylbenzene	ND	0.50	ug/L	1.00	12/30/2003 15:17	
Total xylenes	ND	1.0	ug/L	1.00	12/30/2003 15:17	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	76-114	%	1.00	12/30/2003 15:17	
Toluene-d8	95.7	88-110	%	1.00	12/30/2003 15:17	

Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2003-12-0643 - 4
Sampled:	12/18/2003	Extracted:	12/30/2003 12:53
Matrix:	Water	QC Batch#:	2003/12/30-01.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/30/2003 12:53	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/30/2003 12:53	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/30/2003 12:53	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/30/2003 12:53	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/30/2003 12:53	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/30/2003 12:53	
Benzene	ND	0.50	ug/L	1.00	12/30/2003 12:53	
Toluene	ND	0.50	ug/L	1.00	12/30/2003 12:53	
Ethylbenzene	ND	0.50	ug/L	1.00	12/30/2003 12:53	
Total xylenes	ND	1.0	ug/L	1.00	12/30/2003 12:53	
Surrogate(s)						
1,2-Dichloroethane-d4	99.2	76-114	%	1.00	12/30/2003 12:53	
Toluene-d8	92.2	88-110	%	1.00	12/30/2003 12:53	

Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2003/12/30-01.66**

MB: 2003/12/30-01.66-023 — Date Extracted: 12/30/2003 10:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/30/2003 10:23	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/30/2003 10:23	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/30/2003 10:23	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/30/2003 10:23	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/30/2003 10:23	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/30/2003 10:23	
Benzene	ND	0.5	ug/L	12/30/2003 10:23	
Toluene	ND	0.5	ug/L	12/30/2003 10:23	
Ethylbenzene	ND	0.5	ug/L	12/30/2003 10:23	
Total xylenes	ND	1.0	ug/L	12/30/2003 10:23	
Surrogates(s)					
1,2-Dichloroethane-d4	100.2	76-114	%	12/30/2003 10:23	
Toluene-d8	92.6	88-110	%	12/30/2003 10:23	

Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2003/12/30-01.66**

LCS 2003/12/30-01.66-035 | Extracted: 12/30/2003 | Analyzed: 12/30/2003 09:35

LCSD 2003/12/30-01.66-047 | Extracted: 12/30/2003 | Analyzed: 12/30/2003 10:47

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.3	22.1	25.0	85.2	88.4	3.7	65-165	20		
Benzene	20.0	22.1	25.0	80.0	88.4	10.0	69-129	20		
Toluene	23.2	25.0	25.0	92.8	100.0	7.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	518	499	500	103.6	99.8		76-114			
Toluene-d8	477	490	500	95.4	98.0		88-110			

Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

Site: 18501 Hesperian Blvd. San Lorenzo,CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — **Water** — **QC Batch # 2003/12/30-01.66**

EFFL >> MS — Lab ID: 2003-12-0643 - 004

MS: 2003/12/30-01.66-017 — Extracted: 12/30/2003 — Analyzed: 12/30/2003 13:17 — Dilution: 1.00

MSD: 2003/12/30-01.66-041 — Extracted: 12/30/2003 — Analyzed: 12/30/2003 13:41 — 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	25.4	21.5	ND	25.0	101.6	86.0	16.6	65-165	20		
Benzene	24.4	21.0	ND	25.0	97.6	84.0	15.0	69-129	20		
Toluene	24.8	21.9	ND	25.0	99.2	87.6	12.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	585	512		500	117.0	102.4		76-114		S	
Toluene-d8	501	490		500	100.2	98.0		88-110			

Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38486314.0L041
608

Received: 12/18/2003 14:30

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.

S

One surrogate recovery out of control, but second surrogate within QC limits confirms test performance.

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 12 - 0643

Checklist completed by: (initials) TL Date: 12 /19 /03

Courier name: ☒ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓ No___	
Chain of custody signed when relinquished and received?	Yes ✓ No___	
Chain of custody agrees with sample labels?	Yes ✓ No___	
Samples in proper container/bottle?	Yes ✓ No___	
Sample containers intact?	Yes ✓ No___	
Sufficient sample volume for indicated test?	Yes ✓ No___	
All samples received within holding time?	Yes ✓ No___	
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 3.0 °C Yes ✓ No___	
	Ice Present Yes ✓ No___	
Water - VOA vials have zero headspace?	No VOA vials submitted___ Yes ✓ No___	

(If bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)

Water - **pH acceptable upon receipt?** ☒ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/03

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

2003-12-0643

81303

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
Requested Due Date: 1/2/04
14 days from sampling date

Date: 12/18/03

On-site Time: 0800		Temp: 61	
Off-site Time: 1000		Temp: 62	
Sky Conditions: Clear Sunny			
Meteorological Events: None			
Wind Speed: n/a		Direction: n/a	

Send To:		
Lab Name: STL-SF (Pleasanton)	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: No EDF
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: 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			Requested Analysis: TPH-g (8260)	BTEX (8260)	MTBE (8260)	COD	TSS	Fuel Oxy. (8260)					Sample Point Lat/Long and Comments
1	INFL	INFL			X				3				X			X	X	X			X					3.0°C
2	MID-1	MID-1			X				3				X			X	X	X			X					
3	MID-2	MID-2			X				3				X			X	X	X			X					
4	EFFL	EFFL			X				5		X		X			X	X	X	X	X	X					
5																										
6																										
7																										
8																										
9																										
10																										

Sampler's Name: George Baardman	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: URS Oakland	[signature]	12/18/03	1140	[signature]	12.18	1146
Shipment Date:	[signature]	12/18	1430	D. Harrington / STL-SF	12/18/03	1430
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 ___ °F/C   Trip Blank Yes ___ No x

SEVERN TRENT STL

Submission#: 2004-01-0722

URS-Oakland, CA

February 05, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson

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

Attached is our report for your samples received on 01/27/2004 18:25
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 03/12/2004 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#: 2004-01-0722

URS-Oakland, CA

February 05, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson

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

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Tuesday, January 27, 2004 6:25 PM.

SEVERN TRENT STL

Submission #: 2004-01-0722

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	01/22/2004 09:00	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	**EFFL**	Lab ID:	2004-01-0722 - 4
Sampled:	01/22/2004 09:00	Extracted:	1/28/2004 00:00
Matrix:	Water	QC Batch#:	2004/01/28-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	01/29/2004 08:35	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

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

Method Blank **Water** **QC Batch # 2004/01/28-01.29**

MB: 2004/01/28-01.29-001 Date Extracted: 01/28/2004

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	01/30/2004	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2004/01/28-01.29**

LCS 2004/01/28-01.29-002 Extracted: 01/28/2004 Analyzed: 01/29/2004

LCSD 2004/01/28-01.29-003 Extracted: 01/28/2004 Analyzed: 01/29/2004

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	1000	1010	1000	100.0	101.0	1.0	80-120	20		

SEVERN TRENT STL

Submission #: 2004-01-0722

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	01/22/2004 09:15	Water	1
MID-1	01/22/2004 09:10	Water	2
MID-2	01/22/2004 09:05	Water	3
EFFL	01/22/2004 09:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INFL	Lab ID:	2004-01-0722 - 1
Sampled:	01/22/2004 09:15	Extracted:	1/30/2004 12:36
Matrix:	Water	QC Batch#:	2004/01/30-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/30/2004 12:36	
Benzene	ND	0.50	ug/L	1.00	01/30/2004 12:36	
Toluene	ND	0.50	ug/L	1.00	01/30/2004 12:36	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2004 12:36	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2004 12:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2004 12:36	
Methyl tert-butyl ether (MTBE)	27	0.50	ug/L	1.00	01/30/2004 12:36	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/30/2004 12:36	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/30/2004 12:36	
tert-Amyl methyl ether (TAME)	1.6	0.50	ug/L	1.00	01/30/2004 12:36	
Surrogate(s)						
1,2-Dichloroethane-d4	85.8	76-114	%	1.00	01/30/2004 12:36	
Toluene-d8	89.8	88-110	%	1.00	01/30/2004 12:36	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 01/22/2004 09:10
Matrix: Water

Test(s): 8260B
Lab ID: 2004-01-0722 - 2
Extracted: 1/30/2004 10:45
QC Batch#: 2004/01/30-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/30/2004 10:45	
Benzene	ND	0.50	ug/L	1.00	01/30/2004 10:45	
Toluene	ND	0.50	ug/L	1.00	01/30/2004 10:45	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2004 10:45	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2004 10:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2004 10:45	
Methyl tert-butyl ether (MTBE)	1.3	0.50	ug/L	1.00	01/30/2004 10:45	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/30/2004 10:45	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/30/2004 10:45	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/30/2004 10:45	
Surrogate(s)						
1,2-Dichloroethane-d4	82.6	76-114	%	1.00	01/30/2004 10:45	
Toluene-d8	91.9	88-110	%	1.00	01/30/2004 10:45	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-2**	Lab ID:	2004-01-0722 - 3
Sampled:	01/22/2004 09:05	Extracted:	1/30/2004 11:07
Matrix:	Water	QC Batch#:	2004/01/30-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/30/2004 11:07	
Benzene	ND	0.50	ug/L	1.00	01/30/2004 11:07	
Toluene	ND	0.50	ug/L	1.00	01/30/2004 11:07	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2004 11:07	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2004 11:07	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2004 11:07	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/30/2004 11:07	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/30/2004 11:07	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/30/2004 11:07	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/30/2004 11:07	
Surrogate(s)						
1,2-Dichloroethane-d4	84.5	76-114	%	1.00	01/30/2004 11:07	
Toluene-d8	88.9	88-110	%	1.00	01/30/2004 11:07	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**EFFL**	Lab ID:	2004-01-0722 - 4
Sampled:	01/22/2004 09:00	Extracted:	1/30/2004 13:27
Matrix:	Water	QC Batch#:	2004/01/30-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	01/30/2004 13:27	
Benzene	ND	0.50	ug/L	1.00	01/30/2004 13:27	
Toluene	ND	0.50	ug/L	1.00	01/30/2004 13:27	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2004 13:27	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2004 13:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2004 13:27	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/30/2004 13:27	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/30/2004 13:27	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/30/2004 13:27	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/30/2004 13:27	
Surrogate(s)						
1,2-Dichloroethane-d4	103.6	76-114	%	1.00	01/30/2004 13:27	
Toluene-d8	105.9	88-110	%	1.00	01/30/2004 13:27	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/01/30-1C.64**

MB: 2004/01/30-1C.64-028 — Date Extracted: 01/30/2004 09:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	01/30/2004 09:28	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/30/2004 09:28	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/30/2004 09:28	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	01/30/2004 09:28	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	01/30/2004 09:28	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	01/30/2004 09:28	
Benzene	ND	0.5	ug/L	01/30/2004 09:28	
Toluene	ND	0.5	ug/L	01/30/2004 09:28	
Ethylbenzene	ND	0.5	ug/L	01/30/2004 09:28	
Total xylenes	ND	1.0	ug/L	01/30/2004 09:28	
Surrogates(s)					
1,2-Dichloroethane-d4	85.2	76-114	%	01/30/2004 09:28	
Toluene-d8	89.6	88-110	%	01/30/2004 09:28	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/01/30-1C.65**

MB: 2004/01/30-1C.65-029 — Date Extracted: 01/30/2004 09:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	01/30/2004 09:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/30/2004 09:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/30/2004 09:29	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	01/30/2004 09:29	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	01/30/2004 09:29	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	01/30/2004 09:29	
Benzene	ND	0.5	ug/L	01/30/2004 09:29	
Toluene	ND	0.5	ug/L	01/30/2004 09:29	
Ethylbenzene	ND	0.5	ug/L	01/30/2004 09:29	
Total xylenes	ND	1.0	ug/L	01/30/2004 09:29	
Surrogates(s)					
1,2-Dichloroethane-d4	97.8	76-114	%	01/30/2004 09:29	
Toluene-d8	104.2	88-110	%	01/30/2004 09:29	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/01/30-1C.64**

LCS 2004/01/30-1C.64-035 Extracted: 01/30/2004 Analyzed: 01/30/2004 08:35

LCSD 2004/01/30-1C.64-057 Extracted: 01/30/2004 Analyzed: 01/30/2004 08:57

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.7	23.9	25	98.8	95.6	3.3	65-165	20		
Benzene	24.9	25.9	25	99.6	103.6	3.9	69-129	20		
Toluene	25.8	26.7	25	103.2	106.8	3.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	419	427	500	83.8	85.4		76-114			
Toluene-d8	442	452	500	88.4	90.4		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/01/30-1C.65**

LCS 2004/01/30-1C.65-001 Extracted: 01/30/2004 Analyzed: 01/30/2004 08:01

LCSD 2004/01/30-1C.65-026 Extracted: 01/30/2004 Analyzed: 01/30/2004 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)	32.0	28.6	25	128.0	114.4	11.2	65-165	20		
Benzene	25.6	24.2	25	102.4	96.8	5.6	69-129	20		
Toluene	27.8	25.7	25	111.2	102.8	7.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	550	510	500	110.0	102.0		76-114			
Toluene-d8	548	492	500	109.6	98.4		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/01/30-1C.64**

EFFL >> MS

Lab ID: 2004-01-0722 - 004

MS: 2004/01/30-1C.64-052 Extracted: 01/30/2004

Analyzed: 01/30/2004 11:52

Dilution: 1.00

MSD: 2004/01/30-1C.64-014 Extracted: 01/30/2004

Analyzed: 01/30/2004 12:14

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	23.8	22.7	ND	25	95.2	90.8	4.7	65-165	20		
Benzene	26.0	23.2	ND	25	104.0	92.8	11.4	69-129	20		
Toluene	25.8	23.5	ND	25	103.2	94.0	9.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	404	430		500	80.8	86.0		76-114			
Toluene-d8	448	432		500	89.6	86.4		88-110			s

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 01 - 0722

Checklist completed by: (initials) DSH Date: 01 / 28 /04

Courier name: ☑ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples		Yes___ No___ Not Present ✓
Chain of custody present?		Yes ✓ No___
Chain of custody signed when relinquished and received?		Yes ✓ No___
Chain of custody agrees with sample labels?		Yes ✓ No___
Samples in proper container/bottle?		Yes ✓ No___
Sample containers intact?		Yes ✓ No___
Sufficient sample volume for indicated test?		Yes ✓ No___
All samples received within holding time?		Yes ✓ No___
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 3.1 °C	Yes ✓ No___
	Ice Present	Yes ✓ No___
Water - VOA vials have zero headspace?	No VOA vials submitted___	Yes ✓ No___

(If bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)

Water - pH acceptable upon receipt? ☒ Yes ☐ No

☐ pH adjusted– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

2004-01-0722

82380

Page 1 of 1

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: 1/22/04 **Requested Due Date:** 1/30/04
8 W days from sampling date

On-site Time:	0820	Temp:	55
Off-site Time:	1400	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 (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
	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: Level 1		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	Water/Liquid	Solvents	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO3	HCl			Requested Analysis: TPH-g (8260)	BTEX (8260)	MTBE (8260)	COD	TSS	Fuel Oxy. (8260)					Sample Point Lat/Long and Comments
																										3-1
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				5		X		X			X	X	X	X	X	X					
5																										
6																										
7																										
8																										
9																										
10																										

RUSH

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: George Bradshaw		1/22/04	1510		1-22-04	1510
Sampler's Company: URS Oakland		1/23/04	1450	STL-SF	1/27/04	1350
Shipment Date:		1/27/04	Thr 1/27/04			
Shipment Method: Hand Deliver			1825		1-27-04	1825
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 ___ °F/C Trip Blank Yes ___ No x

SEVERN TRENT STL

Submission #: 2004-01-0722

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	01/22/2004 09:00	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	EFFL	Lab ID:	2004-01-0722 - 4
Sampled:	01/22/2004 09:00	Extracted:	1/28/2004 00:00
Matrix:	Water	QC Batch#:	2004/01/28-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	01/29/2004 08:35	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

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

Method Blank **Water** **QC Batch # 2004/01/28-01.29**

MB: 2004/01/28-01.29-001 Date Extracted: 01/28/2004

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	01/30/2004	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 01/27/2004 18:25

Site: 18501 Hesparian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2004/01/28-01.29**

LCS 2004/01/28-01.29-002 Extracted: 01/28/2004 Analyzed: 01/29/2004

LCSD 2004/01/28-01.29-003 Extracted: 01/28/2004 Analyzed: 01/29/2004

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	1000	1010	1000	100.0	101.0	1.0	80-120	20		

URS-Oakland, CA

March 01, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

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 Thursday, February 19, 2004 5:37 PM.

SEVERN TRENT STL

Submission #: 2004-02-0604

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	02/19/2004 07:00	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	**EFFL**	Lab ID:	2004-02-0604 - 4
Sampled:	02/19/2004 07:00	Extracted:	2/20/2004 00:00
Matrix:	Water	QC Batch#:	2004/02/20-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	10	10	mg/L	1.00	02/23/2004 06:55	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2 — Test(s): 160.2

Method Blank — **Water** — **QC Batch # 2004/02/20-01.29**

MB: 2004/02/20-01.29-001 — Date Extracted: 02/20/2004 10:25

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	02/23/2004 06:44	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2004/02/20-01.29**

LCS 2004/02/20-01.29-002 Extracted: 02/20/2004 Analyzed: 02/23/2004 06:44
LCSD 2004/02/20-01.29-003 Extracted: 02/20/2004 Analyzed: 02/23/2004 06:45

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	937	885	1000	93.7	88.5	5.7	80-120	20		

SEVERN TRENT STL

Submission #: 2004-02-0604

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	02/19/2004 07:15	Water	1
MID-1	02/19/2004 07:10	Water	2
MID-2	02/19/2004 07:05	Water	3
EFFL	02/19/2004 07:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**INFL**	Lab ID:	2004-02-0604 - 1
Sampled:	02/19/2004 07:15	Extracted:	2/25/2004 21:44
Matrix:	Water	QC Batch#:	2004/02/25-1E.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2004 21:44	
Benzene	ND	0.50	ug/L	1.00	02/25/2004 21:44	
Toluene	ND	0.50	ug/L	1.00	02/25/2004 21:44	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2004 21:44	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2004 21:44	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2004 21:44	
Methyl tert-butyl ether (MTBE)	25	0.50	ug/L	1.00	02/25/2004 21:44	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	02/25/2004 21:44	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	02/25/2004 21:44	
tert-Amyl methyl ether (TAME)	1.7	0.50	ug/L	1.00	02/25/2004 21:44	
Surrogate(s)						
1,2-Dichloroethane-d4	78.8	76-114	%	1.00	02/25/2004 21:44	
Toluene-d8	94.0	88-110	%	1.00	02/25/2004 21:44	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-1**	Lab ID:	2004-02-0604 - 2
Sampled:	02/19/2004 07:10	Extracted:	2/25/2004 22:06
Matrix:	Water	QC Batch#:	2004/02/25-1E.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2004 22:06	
Benzene	ND	0.50	ug/L	1.00	02/25/2004 22:06	
Toluene	ND	0.50	ug/L	1.00	02/25/2004 22:06	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2004 22:06	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2004 22:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2004 22:06	
Methyl tert-butyl ether (MTBE)	1.2	0.50	ug/L	1.00	02/25/2004 22:06	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	02/25/2004 22:06	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	02/25/2004 22:06	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	02/25/2004 22:06	
Surrogate(s)						
1,2-Dichloroethane-d4	81.1	76-114	%	1.00	02/25/2004 22:06	
Toluene-d8	93.3	88-110	%	1.00	02/25/2004 22:06	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s): 5030B
Sample ID: **MID-2**
Sampled: 02/19/2004 07:05
Matrix: Water

Test(s): 8260B
Lab ID: 2004-02-0604 - 3
Extracted: 2/25/2004 22:29
QC Batch#: 2004/02/25-1E.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2004 22:29	
Benzene	ND	0.50	ug/L	1.00	02/25/2004 22:29	
Toluene	ND	0.50	ug/L	1.00	02/25/2004 22:29	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2004 22:29	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2004 22:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2004 22:29	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2004 22:29	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	02/25/2004 22:29	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	02/25/2004 22:29	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	02/25/2004 22:29	
Surrogate(s)						
1,2-Dichloroethane-d4	83.1	76-114	%	1.00	02/25/2004 22:29	
Toluene-d8	96.8	88-110	%	1.00	02/25/2004 22:29	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2004-02-0604 - 4
Sampled:	02/19/2004 07:00	Extracted:	2/25/2004 22:51
Matrix:	Water	QC Batch#:	2004/02/25-1E.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2004 22:51	
Benzene	ND	0.50	ug/L	1.00	02/25/2004 22:51	
Toluene	ND	0.50	ug/L	1.00	02/25/2004 22:51	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2004 22:51	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2004 22:51	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/25/2004 22:51	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2004 22:51	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	02/25/2004 22:51	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	02/25/2004 22:51	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	02/25/2004 22:51	
Surrogate(s)						
1,2-Dichloroethane-d4	84.4	76-114	%	1.00	02/25/2004 22:51	
Toluene-d8	93.4	88-110	%	1.00	02/25/2004 22:51	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — Water — **QC Batch # 2004/02/25-1E.64**

MB: 2004/02/25-1E.64-001 — Date Extracted: 02/25/2004 19:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/25/2004 19:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/25/2004 19:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/25/2004 19:01	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	02/25/2004 19:01	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	02/25/2004 19:01	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	02/25/2004 19:01	
Benzene	ND	0.5	ug/L	02/25/2004 19:01	
Toluene	ND	0.5	ug/L	02/25/2004 19:01	
Ethylbenzene	ND	0.5	ug/L	02/25/2004 19:01	
Total xylenes	ND	1.0	ug/L	02/25/2004 19:01	
Surrogates(s)					
1,2-Dichloroethane-d4	79.6	76-114	%	02/25/2004 19:01	
Toluene-d8	94.0	88-110	%	02/25/2004 19:01	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 02/19/2004 17:37

Site: 18501 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/02/25-1E.64**

LCS 2004/02/25-1E.64-039 Extracted: 02/25/2004 Analyzed: 02/25/2004 17:39

LCSD 2004/02/25-1E.64-060 Extracted: 02/25/2004 Analyzed: 02/25/2004 18:01

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	19.1	20.7	25	76.4	82.8	8.0	65-165	20		
Benzene	18.7	22.0	25	74.8	88.0	16.2	69-129	20		
Toluene	22.1	23.9	25	88.4	95.6	7.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	387	402	500	77.4	80.4		76-114			
Toluene-d8	463	466	500	92.6	93.2		88-110			

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 02 - 0604

Checklist completed by: (initials) MV Date: 02 / 20 /04

Courier name: ☑ STL San Francisco ☐ Client: _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?		Yes ✓ No___
Chain of custody signed when relinquished and received?		Yes ✓ No___
Chain of custody agrees with sample labels?		Yes ✓ No___
Samples in proper container/bottle?		Yes ✓ No___
Sample containers intact?		Yes ✓ No___
Sufficient sample volume for indicated test?		Yes ✓ No___
All samples received within holding time?		Yes ✓ No___
Container/Temp Blank temperature in compliance (4^0 C ± 2)?	Temp: 3.0°C	Yes ✓ No___
	Ice Present	Yes ✓ No___
Water - VOA vials have zero headspace?	No VOA vials submitted___	Yes ✓ No___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)

Water - **pH acceptable upon receipt?** ☑ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

2004-02-0604

83133

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: 2/19/04
Requested Due Date: 3/4/04
14 days from sampling date

On-site Time: 0645	Temp: 45		
Off-site Time: 0800	Temp: 48		
Sky Conditions: Cloudy			
Meteorological Events: None			
Wind Speed: n/A	Direction: n/A		

Send To:		
Lab Name: STL-SF (Pleasanton)	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: No EDF
	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486314.01041
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: Level 1		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			Requested Analysis: TPH-g (8260)	BTEX (8260)	MTBE (8260)	COD	TSS	Fuel Oxys. (8260)					Sample Point Lat/Long and Comments
																										3.0
1	INFL	INFL	0715		X				3				X			X	X	X			X					
2	MID-1	MID-1	0710		X				3				X			X	X	X			X					
3	MID-2	MID-2	0705		X				3				X			X	X	X			X					
4	EFFL	EFFL	0700		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	[signature]	2/19/04	1110	[signature]	2/19/04	1110
Shipment Date:	[signature]	2/19/04	1737			
Shipment Method: ~~Hand Deliver~~ Courier						
Shipment Tracking No:				[signature]	2-19-04	1737

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 ___ °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

2 March, 2004

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

RE: BP
Work Order: P402454

Enclosed are the results of analyses for samples received by the laboratory on 02/21/04 13:15. 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	P402454
1220 Quarry Lane	Project Number: 38486314.0L041/ARCO#608,San Lorenz	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	03/02/04 15:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	P402454-01	Water	02/19/04 07:00	02/21/04 13:15

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	P402454
1220 Quarry Lane	Project Number: 38486314.0L041/ARCO#608,San Lorenz	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	03/02/04 15:07

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P402454-01) Water Sampled: 02/19/04 07:00 Received: 02/21/04 13:15									
Chemical Oxygen Demand	ND	20000	ug/l	1	4030028	03/01/04	03/01/04	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	P402454
1220 Quarry Lane	Project Number: 38486314.0L041/ARCO#608,San Lorenz	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	03/02/04 15:07

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 4030028 - General Preparation										
Blank (4030028-BLK1)				Prepared & Analyzed: 03/01/04						
Chemical Oxygen Demand	ND	20000	ug/l							
Laboratory Control Sample (4030028-BS1)				Prepared & Analyzed: 03/01/04						
Chemical Oxygen Demand	261000	20000	ug/l	250000		104	80-120			
Matrix Spike (4030028-MS1)	**Source: P402446-20**			Prepared & Analyzed: 03/01/04						
Chemical Oxygen Demand	530000	20000	ug/l	500000	210000	64	75-125			QM-07
Matrix Spike Dup (4030028-MSD1)	**Source: P402446-20**			Prepared & Analyzed: 03/01/04						
Chemical Oxygen Demand	559000	20000	ug/l	500000	210000	70	75-125	5	20	QM-07

Sequoia Analytical

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Severn Trent Laboratories, San Francisco	Project: BP	P402454
1220 Quarry Lane	Project Number: 38486314.0L041/ARCO#608,San Lorenz	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	03/02/04 15:07

Notes and Definitions

QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

P402454

SEVERN TRENT STL

Chain of Custody

Date Shipped: 2/20/2004

2004-02-0604 - 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 #: 2004-02-0604

CL PO #:

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

Client Sample ID	CL#	Sampled	Matrix	
Analysis			Method	TAT
EFFL	4	2/19/2004 7:00:00AM	Water	
Subcontract - COD		P402454-01	410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

REPORT & INVOICE TO THE ATTACHED PAGE

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Denise Harrington Time: 1200	Signature Time	Signature Time
Printed Name: D. Harrington Date: 2/20/04	Printed Name Date	Printed Name Date
Company: STL-SF	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: Time: 1315	Signature Time	Signature Time
Printed Name Date: 2-21	Printed Name Date	Printed Name Date
Company	Company	Company

2004-02-0604

83133

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: 461000

Date: 2/19/04
Requested Due Date: 3/4/04
14 days from sampling date

On-site Time:	0645	Temp:	45
Off- site Time:	0800	Temp:	48
Sky Conditions:	Cloudy		
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
	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: Level 1		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: TPH-g (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
																										3.0
1	INFL	INFL	0715		X				3				X			X	X	X			X					
2	MID-1	MID-1	0710		X				3				X			X	X	X			X					
3	MID-2	MID-2	0705		X				3				X			X	X	X			X					
4	EFFL	EFFL	0700		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	George Bradshaw	2/19/04	1110		2/19/04	1110
Shipment Date:		2/19/04	1737			
Shipment Method: ~~Hand Deliver~~ Courier						
Shipment Tracking No:					2-19-04	1737

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H_2SO_4), 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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL
REC. BY (PRINT)
WORKORDER: 402454

DATE Received at Lab: 2-21-04
TIME Received at Lab: 1315
LOG IN DATE: 2-23-04

(Drinking water) for regulatory purposes: YES/NO
(Wastewater) for regulatory purposes: YES/NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*			EFFL	3xpvH2so4	W	2-19	
2. Chain-of-Custody	Present / Absent*							
3. Traffic Reports or Packing List:	Present / Absent							
4. Airbill:	Airbill / Sticker Present / Absent							
5. Airbill #: 8431 5385 4223								
6. Sample Labels:	Present / Absent							
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody							
8. Sample Condition:	Intact / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree?	Yes / No*							
0. Sample received within hold time:	Yes / No*							
1. Proper Preservatives used:	Yes / No*							
2. Temp Rec. at Lab: 2.2 (Acceptance range for samples requiring thermal pres.: 4+/-2°C)	Yes / No*							

*If Circled, contact Project Manager and attach record of resolution.

SEVERN TRENT STL

Submission#: 2004-03-0663

URS-Oakland, CA

March 30, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

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 03/19/2004 13:25
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 05/03/2004 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#: 2004-03-0663

URS-Oakland, CA

March 30, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

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, March 19, 2004 1:25 PM.

SEVERN TRENT STL

Submission #: 2004-03-0663

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	03/18/2004 09:00	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	**EFFL**	Lab ID:	2004-03-0663 - 4
Sampled:	03/18/2004 09:00	Extracted:	3/23/2004 12:40
Matrix:	Water	QC Batch#:	2004/03/23-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	03/24/2004 09:54	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 160.2 — Test(s): 160.2

Method Blank — **Water** — **QC Batch # 2004/03/23-01.29**

MB: 2004/03/23-01.29-001 — Date Extracted: 03/23/2004 12:40

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	03/24/2004 09:48	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2004/03/23-01.29**

LCS 2004/03/23-01.29-002 Extracted: 03/23/2004 Analyzed: 03/24/2004 09:48

LCSD 2004/03/23-01.29-003 Extracted: 03/23/2004 Analyzed: 03/24/2004 09:49

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	977	995	1000	97.7	99.5	1.8	80-120	20		

SEVERN TRENT STL

Submission #: 2004-03-0663

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	03/18/2004 09:15	Water	1
MID 1	03/18/2004 09:10	Water	2
MID 2	03/18/2004 09:05	Water	3
EFFL	03/18/2004 09:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INFL	Lab ID:	2004-03-0663 - 1
Sampled:	03/18/2004 09:15	Extracted:	3/26/2004 20:09
Matrix:	Water	QC Batch#:	2004/03/26-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/26/2004 20:09	
Benzene	ND	0.50	ug/L	1.00	03/26/2004 20:09	
Toluene	ND	0.50	ug/L	1.00	03/26/2004 20:09	
Ethylbenzene	ND	0.50	ug/L	1.00	03/26/2004 20:09	
Total xylenes	ND	1.0	ug/L	1.00	03/26/2004 20:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/26/2004 20:09	
Methyl tert-butyl ether (MTBE)	27	0.50	ug/L	1.00	03/26/2004 20:09	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/26/2004 20:09	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/26/2004 20:09	
tert-Amyl methyl ether (TAME)	1.6	0.50	ug/L	1.00	03/26/2004 20:09	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	76-114	%	1.00	03/26/2004 20:09	
Toluene-d8	99.1	88-110	%	1.00	03/26/2004 20:09	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s): 5030B
Sample ID: MID 1
Sampled: 03/18/2004 09:10
Matrix: Water

Test(s): 8260B
Lab ID: 2004-03-0663 - 2
Extracted: 3/24/2004 22:00
QC Batch#: 2004/03/24-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	67	50	ug/L	1.00	03/24/2004 22:00	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 22:00	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 22:00	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2004 22:00	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 22:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/24/2004 22:00	
Methyl tert-butyl ether (MTBE)	1.4	0.50	ug/L	1.00	03/24/2004 22:00	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/24/2004 22:00	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/24/2004 22:00	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/24/2004 22:00	
Surrogate(s)						
1,2-Dichloroethane-d4	95.7	76-114	%	1.00	03/24/2004 22:00	
Toluene-d8	94.2	88-110	%	1.00	03/24/2004 22:00	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID 2**	Lab ID:	2004-03-0663 - 3
Sampled:	03/18/2004 09:05	Extracted:	3/24/2004 22:19
Matrix:	Water	QC Batch#:	2004/03/24-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	86	50	ug/L	1.00	03/24/2004 22:19	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 22:19	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/24/2004 22:19	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/24/2004 22:19	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/24/2004 22:19	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Surrogate(s)						
1,2-Dichloroethane-d4	100.9	76-114	%	1.00	03/24/2004 22:19	
Toluene-d8	94.5	88-110	%	1.00	03/24/2004 22:19	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**EFFL**	Lab ID:	2004-03-0663 - 4
Sampled:	03/18/2004 09:00	Extracted:	3/24/2004 22:38
Matrix:	Water	QC Batch#:	2004/03/24-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/24/2004 22:38	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 22:38	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/24/2004 22:38	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/24/2004 22:38	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/24/2004 22:38	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	76-114	%	1.00	03/24/2004 22:38	
Toluene-d8	98.9	88-110	%	1.00	03/24/2004 22:38	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

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

Method Blank — **QC Batch # 2004/03/24-2C.68**

MB: 2004/03/24-2C.68-001 — Date Extracted: 03/24/2004 18:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/24/2004 18:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	03/24/2004 18:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/24/2004 18:01	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	03/24/2004 18:01	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	03/24/2004 18:01	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	03/24/2004 18:01	
Benzene	ND	0.5	ug/L	03/24/2004 18:01	
Toluene	ND	0.5	ug/L	03/24/2004 18:01	
Ethylbenzene	ND	0.5	ug/L	03/24/2004 18:01	
Total xylenes	ND	1.0	ug/L	03/24/2004 18:01	
Surrogates(s)					
1,2-Dichloroethane-d4	95.4	76-114	%	03/24/2004 18:01	
Toluene-d8	95.4	88-110	%	03/24/2004 18:01	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/03/26-2C.64**

MB: 2004/03/26-2C.64-025 — Date Extracted: 03/26/2004 17:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/26/2004 17:25	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	03/26/2004 17:25	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/26/2004 17:25	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	03/26/2004 17:25	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	03/26/2004 17:25	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	03/26/2004 17:25	
Benzene	ND	0.5	ug/L	03/26/2004 17:25	
Toluene	ND	0.5	ug/L	03/26/2004 17:25	
Ethylbenzene	ND	0.5	ug/L	03/26/2004 17:25	
Total xylenes	ND	1.0	ug/L	03/26/2004 17:25	
Surrogates(s)					
1,2-Dichloroethane-d4	99.4	76-114	%	03/26/2004 17:25	
Toluene-d8	98.0	88-110	%	03/26/2004 17:25	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/03/24-2C.68**

LCS 2004/03/24-2C.68-008 Extracted: 03/24/2004 Analyzed: 03/24/2004 17:23
LCSD 2004/03/24-2C.68-042 Extracted: 03/24/2004 Analyzed: 03/24/2004 17:42

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.4	22.6	25	89.6	90.4	0.9	65-165	20		
Benzene	21.5	23.1	25	86.0	92.4	7.2	69-129	20		
Toluene	22.9	24.3	25	91.6	97.2	5.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	486	463	500	97.2	92.6		76-114			
Toluene-d8	486	493	500	97.2	98.6		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/03/26-2C.64**

LCS 2004/03/26-2C.64-040 Extracted: 03/26/2004 Analyzed: 03/26/2004 16:40

LCSD 2004/03/26-2C.64-003 Extracted: 03/26/2004 Analyzed: 03/26/2004 17:03

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.4	28.1	25	105.6	112.4	6.2	65-165	20		
Benzene	28.2	29.1	25	112.8	116.4	3.1	69-129	20		
Toluene	27.9	27.3	25	111.6	109.2	2.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	483	472	500	96.6	94.4		76-114			
Toluene-d8	488	492	500	97.6	98.4		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

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

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/03/24-2C.68**

EFFL >> MS

Lab ID: 2004-03-0663 - 004

MS: 2004/03/24-2C.68-057 Extracted: 03/24/2004 Analyzed: 03/24/2004 22:57
Dilution: 1.00

MSD: 2004/03/24-2C.68-016 Extracted: 03/24/2004 Analyzed: 03/24/2004 23:16
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	29.3	27.0	ND	25	117.2	108.0	8.2	65-165	20		
Benzene	26.0	23.9	ND	25	104.0	95.6	8.4	69-129	20		
Toluene	27.7	26.8	ND	25	110.8	107.2	3.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	559	501		500	111.7	100.2		76-114			
Toluene-d8	495	484		500	99.0	96.8		88-110			

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 03 - 0663

Checklist completed by: (initials) NSH Date: 03/20/04

Courier name: ☐ STL San Francisco ☐ Client ABC

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓ No___	
Chain of custody signed when relinquished and received?	Yes ✓ No___	
Chain of custody agrees with sample labels?	Yes ✓ No___	
Samples in proper container/bottle?	Yes ✓ No___	
Sample containers intact?	Yes ✓ No___	
Sufficient sample volume for indicated test?	Yes ✓ No___	
All samples received within holding time?	Yes ✓ No___	
Container/Temp Blank temperature in compliance (4^{o} C ± 2)?	Temp: 2.5 °C Yes ✓ No___	
	Ice Present Yes ✓ No___	
Water - VOA vials have zero headspace?	No VOA vials submitted___ Yes ✓ No___	

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)

Water - **pH acceptable upon receipt?** ☒ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

2004-03-0663 84055

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: 461000

Date: 3/16/04
Requested Due Date: 4/1/04
14 days from sampling date

On-site Time:	0830	Temp:	68
Off- site Time:	1100	Temp:	70
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
	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: Level 1		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: TPH-g (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					CC Results To:
2	MID-1	MID-1	0910		X				3				X			X	X	X			X					George.Bonnema
3	MID-2	MID-2	0905		X				3				X			X	X	X			X					@URSCORP.com
4	EFFL	EFFL	0900		X				5		X		X			X	X	X	X	X	X					
5																										
6																										
7																										2.5°C
8																										
9																										
10																										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: George Bonnema						
Sampler's Company: URS Oakland		3/16/04	1340		3-16-04	1940
Shipment Date:		3/19/04	1030		3/19/04	1030
Shipment Method: Hand Deliver		3/19/04	1325			
Shipment Tracking No:					3/19/04	1325

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H_2SO_4), 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

Sequoia Analytical

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

30 March, 2004

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

RE: BP
Work Order: P403454

Enclosed are the results of analyses for samples received by the laboratory on 03/22/04 12:00. 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
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FAX (707) 792-0342
www.sequoialabs.com

Severn Trent Laboratories, San Francisco	Project: BP	P403454
1220 Quarry Lane	Project Number: ARCO#608/San Lorenzo 2004-03-0663	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	03/30/04 16:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	P403454-01	Water	03/18/04 09:00	03/22/04 12:00

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	P403454
1220 Quarry Lane	Project Number: ARCO#608/San Lorenzo 2004-03-0663	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	03/30/04 16:48

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P403454-01) Water Sampled: 03/18/04 09:00 Received: 03/22/04 12:00									
Chemical Oxygen Demand	ND	20000	ug/l	1	4030834	03/29/04	03/29/04	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	P403454
1220 Quarry Lane	Project Number: ARCO#608/San Lorenzo 2004-03-0663	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	03/30/04 16:48

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 4030834 - General Preparation										
Blank (4030834-BLK1)				Prepared & Analyzed: 03/29/04						
Chemical Oxygen Demand	ND	20000	ug/l							
Laboratory Control Sample (4030834-BS1)				Prepared & Analyzed: 03/29/04						
Chemical Oxygen Demand	236000	20000	ug/l	250000		94	80-120			
Matrix Spike (4030834-MS1)	**Source: P403268-01**			Prepared & Analyzed: 03/29/04						
Chemical Oxygen Demand	496000	40000	ug/l	500000	ND	99	75-125			
Matrix Spike Dup (4030834-MSD1)	**Source: P403268-01**			Prepared & Analyzed: 03/29/04						
Chemical Oxygen Demand	496000	40000	ug/l	500000	ND	99	75-125	0	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	P403454
1220 Quarry Lane	Project Number: ARCO#608/San Lorenzo 2004-03-0663	**Reported:**
Pleasanton CA, 94566	Project Manager: Afsaneh Salimpour	03/30/04 16:48

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

SEVERN TRENT **STL**

Chain of Custody

Date Shipped: 3/22/2004

2004-03-0663 - 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 #: 2004-03-0663

CL PO #:

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

Client Sample ID	CL#	Sampled	Matrix	
Analysis			Method	TAT
EFFL	4	3/18/2004 9:00:00AM	Water	
Subcontract - COD	P403454-01		410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

BILL & REPORT DIRECTLY TO THE CLIENT SEE ATTACHED PAGE

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 6.0 °c

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 0945	Signature: Stan Time: 1156	Signature: Time:
Printed Name: M. VILLANUEVA Date: 03/22/04	Printed Name: Date: 3/22/04	Printed Name: Date:
Company: STL SF	Company: STL	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: Stan Time: 0945	Signature: [signature] Time: 3/22/04 1200	Signature: Time:
Printed Name: Date: 3/22/04	Printed Name: GAIL HERRMANN Date:	Printed Name: Date:
Company:	Company: Sequoia	Company:

2004-03-0663 84055

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: 3/18/04
Requested Due Date: 4/1/04
14 days from sampling date

On-site Time:	0830	Temp:	68
Off- site Time:	1000	Temp:	70
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
	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: Level 1		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	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analysis: TPH-g (8260)	BTEX (8260)	MTBE (8260)	COD	TSS	Fuel Oxy. (8260)					Sample Point Lat/Long and Comments
1	INFL	INFL	0915		X				3				X			X	X	X			X					cc Results To:
2	MID-1	MID-1	0910		X				3				X			X	X	X			X					George.Bradshaw
3	MID-2	MID-2	0905		X				3				X			X	X	X			X					@urscorp.com
4	EFFL	EFFL	0900		X				5		X		X			X	X	X	X	X	X					
5																										
6																										
7																										2.5°C
8																										
9																										
10																										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: George Bradshaw		3/19/04	1340		3-18-04	1346
Sampler's Company: URS Oakland		3/19/04	1030		3/19/04	1030
Shipment Date:		3/19/04	1325			
Shipment Method: Hand Deliver				Nouna B.	3/19/04	1325
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 ___ °F/C 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
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-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	22.75	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		11.05	22.94	50.9	<0.50	<0.50	<0.50	<0.50	211	1.0
	06/14,15/99		12.25	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	561	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	<0.50	<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	680	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		11.46	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 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-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	58	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	880	<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	826	<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	5.6
		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	5.70	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	8.60	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
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-11		06/14,15/99			11.25	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
(cont.)		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	††	03/13,14/96		33.06	10.35	22.71	2,700	38	<5.0	130	6.2	NA	NM
(MW-12)		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			10.25	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	25.1	<10.0	15.3	<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	<0.50	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			8.62	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
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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	46.2	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	2.6
	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
	11/25/96			11.32	20.07	<50	<0.50	<0.50	<0.50	<0.50	66	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	63	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	1.6
	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	10.1	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
	12/29/01			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		29.70	7.53	22.17	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			9.88	19.82	<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	3.6
	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	2.5
	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	0.6
	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		10.68	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

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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	2.6
	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	7	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	<0.60	<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 0606
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	36		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	254	<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

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)
17372 VM	07/29/98	--	--	--	--	--	1,100	c	NM
(cont.)	09/21/98	<50	<0.50	<0.50	<0.50	<0.50	200		1.6
	09/21/98	--	--	--	--	--	360	c	NM
	12/14/98	<50	<0.50	0.823	<0.50	<0.50	20.1		3.8
	03/15/99	<50	<0.50	<0.50	<0.50	<0.50	6.66		4.6
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	3.33		4.0
	09/15/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0		2.0
	12/08/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0		NM
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		1.6
	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	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.0
	03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.4
	06/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.8
	09/26/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.2
	12/29/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.1
	03/13/02	<51	<0.50	<0.50	<0.50	<0.50	<2.6		1.8
17393 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
VM	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	03/31/97 a	NS	NS	NS	NS	NS	NS		NM
	06/25/97	Well Destroyed							

TPPH = Total purgeable petroleum hydrocarbons
MtBE = Methyl tert-butyl ether
NA = Not analyzed
NS = Not sampled
ppb = Parts per billion
H = Hacienda Avenue
VM = Via Magdalena
VE = Via Encinas
< = Less than laboratory detection limit stated to the right.
* = MtBE data maybe anamolous; unable to confirm with EPA Method 8260.
** = Concentration data are suspect due to inadequate purging. Well resampled on August 18, 1997 for confirmation purposes.
a. Owner not available to approve sampling access; well not sampled.
b. Well resampled to confirm data of March 14, 1996.
c. MtBE result confirmed by EPA Method 8260.
d. Pumping equipment obstructing sampling access; well not sampled.
e. Access denied by owner; well not sampled.
f. Pump on well does not work.
g. Well blocked and pump non-operational; well cannot be sampled.

Notes:
Homeowners are contacted 1 week prior to sampling event.
Please see certified analytical reports for laboratory notes and definitions

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

03/26/04

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:	MNC0329
Global ID:	T0600100085
Lab Report Number:	MNC0329032420041103

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MNC0329032420041103	17372 VM	MNC032912	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	642H	MNC032911	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	E-1A	MNC032906	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-10	MNC032904	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-11	MNC032905	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-15	MNC032907	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-16	MNC032908	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-22	MNC032909	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-25	MNC032910	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-5	MNC032901	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-8	MNC032902	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
MNC0329032420041103	MW-9	MNC032903	W	CS	8260TPH	SW5030B	03/10/04	03/18/04	03/18/04	4C18001	1
		4C18001BSD1	WQ	BD1	8260TPH	SW5030B	/ /	03/18/04	03/18/04	4C18001	1
		4C18001BSD2	WQ	BD2	8260TPH	SW5030B	/ /	03/18/04	03/18/04	4C18001	1
		4C18001BS1	WQ	BS1	8260TPH	SW5030B	/ /	03/18/04	03/18/04	4C18001	1
		4C18001BS2	WQ	BS2	8260TPH	SW5030B	/ /	03/18/04	03/18/04	4C18001	1
		4C18001BLK1	WQ	LB1	8260TPH	SW5030B	/ /	03/18/04	03/18/04	4C18001	1
		4C18001MS1	W	MS1	8260TPH	SW5030B	/ /	03/18/04	03/19/04	4C18001	1
		4C18001MSD1	W	SD1	8260TPH	SW5030B	/ /	03/18/04	03/19/04	4C18001	1

EDFSAMP: Error Summary Log

03/26/04

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

EDFTEST: Error Summary Log

03/26/04

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

EDFRES: Error Summary Log

03/26/04

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

EDFQC: Error Summary Log

03/26/04

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

EDFCL: Error Summary Log

03/26/04

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

AB2886 Electronic Delivery

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**QMR 1 Q 2004 Site 0608**
Submittal Date/Time:	**3/26/2004 10:37:53 AM**
Confirmation Number:	**4844711124**

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CONTACT SITE ADMINISTRATOR.

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Your EDF file has been succcessfully uploaded!

Confirmation Number: 8931421875
Date/Time of Submittal: 3/26/2004 10:49:02 AM
Facility Global ID: T0600100085
Facility Name: ARCO # 00608
Submittal Title: QMR 1 Q 2004 SIte 0608
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

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Confirmation Number: 8931421875
Date/Time of Submittal: 3/26/2004 10:49:02 AM
Facility Global ID: T0600100085
Facility Name: ARCO # 00608
Submittal Title: QMR 1 Q 2004 SIte 0608
Submittal Type: GW Monitoring Report

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CONTACT SITE ADMINISTRATOR.

ATTACHMENT E

WELL SURVEY DATA SHEETS

BP/ARCO Survey Sheet

Site: **608**
3/3/2004

Well ID	X-coord (NAD'83)	Y-coord (NAD'83)	Top of Casing (NAVD'88)	Top of Lid (NAVD'88)	Ground Surface (NAVD'88)	Comments
EA-1						Couldn't find. Not on map.
MW-5	-122.1235039	37.6739096	35.97	36.40	36.40	
MW-7	-122.1234245	37.6737555	36.33	36.95	36.95	
MW-8	-122.1239846	37.6737993	34.47	35.30	35.30	
MW-9	-122.1239714	37.6740892	34.00	34.53	34.53	
MW-10	-122.1246654	37.6738101	33.50	34.12	34.12	
MW-11	-122.1244336	37.6735593	34.55	34.97	34.97	
MW-13	-122.1237431	37.6736109	37.55	37.90	37.90	
MW-14	-122.1249359	37.6743468	32.61	32.89	32.89	
MW-15	-122.1254076	37.6736408	33.49	33.92	33.92	
MW-16	-122.1259203	37.6738435	33.41	33.83	33.83	
MW-18	-122.1267276	37.6742749	31.87	32.17	32.17	
MW-19	-122.1270327	37.6747494	31.31	31.49	31.49	
MW-21	-122.1278088	37.6743291	30.67	31.17	31.17	
MW-22	-122.1274488	37.6735647	31.43	31.72	31.72	
MW-23	-122.1264195	37.6731049	33.16	33.47	33.47	
MW-24	-122.1243769	37.6744243	36.48	36.80	36.80	
MW-25	-122.1234246	37.6737556	36.33	36.95	36.95	
MW-26	-122.1242984	37.6742283	35.70	36.14	36.14	
[illegible]	-122.1255015	37.6740186		34.54	34.54	No measure down. Shed over well.
[illegible]	-122.1251027	37.6732952	37.90		36.21	
SP-1V-4	-122.1239039	37.6738562	34.42	36.05	36.05	Green Cap
SP-1V-4			34.45			Orange Cap
SP-2V-5	-122.124713	37.6737851	33.73	33.91	33.91	Orange Cap
SP-2V-5			33.77			Green Cap
EA-1A	-122.1239686	37.6738705	34.30	35.54	35.54	
MW-[illegible]	-122.1238572	37.673835	36.01	36.52	36.52	No number on map.

GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGTITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE	XY_SURVEY_DESC	SITE
	CP1	BM	3/2/2004	37.6740707	-122.1241072	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP2		3/2/2004	37.6742393	-122.1237503	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP10		3/2/2004	37.6737193	-122.1245830	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP11		3/2/2004	37.6735038	-122.1254196	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP12		3/2/2004	37.6738738	-122.1259791	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP13		3/2/2004	37.6740563	-122.1265163	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP14		3/2/2004	37.6729243	-122.1260060	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP15		3/2/2004	37.6719105	-122.1271479	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP16		3/2/2004	37.6727326	-122.1274622	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	CP17		3/2/2004	37.6738569	-122.1275298	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW14	MW	3/2/2004	37.6743468	-122.1249359	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW10	MW	3/2/2004	37.6738101	-122.1246654	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	EW,SP2/V5		3/2/2004	37.6737851	-122.1247130	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW11	MW	3/2/2004	37.6735593	-122.1244336	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW15	MW	3/2/2004	37.6736408	-122.1254076	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	WELL,642H	AGIR	3/2/2004	37.6732952	-122.1251027	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	WELL,642H		3/2/2004	37.6732889	-122.1250991	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW16	MW	3/2/2004	37.6738435	-122.1259203	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW18	MW	3/2/2004	37.6742749	-122.1267276	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW19	MW	3/2/2004	37.6747494	-122.1270327	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	WELL,17372VM	AGIR	3/2/2004	37.6740186	-122.1255015	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW23	MW	3/2/2004	37.6731049	-122.1264195	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW22	MW	3/2/2004	37.6735647	-122.1274488	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW21	MW	3/2/2004	37.6743291	-122.1278088	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW7	MW	3/2/2004	37.6737555	-122.1234245	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW25	MW	3/2/2004	37.6737556	-122.1234246	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW5	MW	3/2/2004	37.6739096	-122.1235039	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW24	MW	3/2/2004	37.6744243	-122.1243769	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW26	MW	3/2/2004	37.6742263	-122.1242984	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW9	MW	3/2/2004	37.6740892	-122.1239714	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW8	MW	3/2/2004	37.6737993	-122.1239846	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	EW,E1A		3/2/2004	37.6738705	-122.1239686	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	EW,SP1/V4		3/2/2004	37.6738562	-122.1239039	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW7	MW	3/2/2004	37.6738350	-122.1238572	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608
	MW13	MW	3/2/2004	37.6736109	-122.1237431	CGPS	NAD83	0.02	URS	T48	0.0000000	BP608

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION ft	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC	SITE
	CP1	3/2/2004	34.56	CGPS	88	0.02	URS	0.000	0	BP608
	CP2	3/2/2004	35.17	CGPS	88	0.02	URS	0.000	0	BP608
	CP10	3/2/2004	34.06	CGPS	88	0.02	URS	0.000	0	BP608
	CP11	3/2/2004	33.42	CGPS	88	0.02	URS	0.000	0	BP608
	CP12	3/2/2004	33.87	CGPS	88	0.02	URS	0.000	0	BP608
	CP13	3/2/2004	32.98	CGPS	88	0.02	URS	0.000	0	BP608
	CP14	3/2/2004	32.85	CGPS	88	0.02	URS	0.000	0	BP608
	CP15	3/2/2004	31.42	CGPS	88	0.02	URS	0.000	0	BP608
	CP16	3/2/2004	32.59	CGPS	88	0.02	URS	0.000	0	BP608
	CP17	3/2/2004	31.82	CGPS	88	0.02	URS	0.000	0	BP608
	MW14	3/2/2004	32.61	CGPS	88	0.02	URS	-0.280	4"PVC	BP608
	MW10	3/2/2004	33.50	CGPS	88	0.02	URS	-0.620	3"PVC	BP608
	EW,SP2/V5	3/2/2004	33.73	CGPS	88	0.02	URS	-0.180	2"PVC (ORANGE CAP)	BP608
	MW11	3/2/2004	34.55	CGPS	88	0.02	URS	-0.420	3"PVC	BP608
	MW15	3/2/2004	33.49	CGPS	88	0.02	URS	-0.430	4"PVC	BP608
	WELL,642H	3/2/2004	37.90	CGPS	88	0.02	URS	0.000	4"PVC	BP608
	WELL,642H	3/2/2004	36.21	CGPS	88	0.02	URS	0.000	0	BP608
	MW16	3/2/2004	33.41	CGPS	88	0.02	URS	-0.420	4"PVC	BP608
	MW18	3/2/2004	31.87	CGPS	88	0.02	URS	-0.300	4"PVC	BP608
	MW19	3/2/2004	31.31	CGPS	88	0.02	URS	-0.180	4"PVC	BP608
	WELL,17372VM	3/2/2004	34.54	CGPS	88	0.02	URS	0.000	0	BP608
	MW23	3/2/2004	33.16	CGPS	88	0.02	URS	-0.310	4"PVC	BP608
	MW22	3/2/2004	31.43	CGPS	88	0.02	URS	-0.290	4"PVC	BP608
	MW21	3/2/2004	30.67	CGPS	88	0.02	URS	-0.500	4"PVC	BP608
	MW7	3/2/2004	36.33	CGPS	88	0.02	URS	-0.620	3"PVC	BP608
	MW25	3/2/2004	36.33	CGPS	88	0.02	URS	-0.620	3"PVC	BP608
	MW5	3/2/2004	35.97	CGPS	88	0.02	URS	-0.430	2"PVC	BP608
	MW24	3/2/2004	36.48	CGPS	88	0.02	URS	-0.320	2"PVC	BP608
	MW26	3/2/2004	35.70	CGPS	88	0.02	URS	-0.440	2"PVC	BP608
	MW9	3/2/2004	34.00	CGPS	88	0.02	URS	-0.530	3"PVC	BP608
	MW8	3/2/2004	34.47	CGPS	88	0.02	URS	-0.830	3"PVC	BP608
	EW,E1A	3/2/2004	34.30	CGPS	88	0.02	URS	-1.240	6"PVC	BP608
	EW,SP1/V4	3/2/2004	34.42	CGPS	88	0.02	URS	-1.630	2"PVC (GREEN CAP)	BP608
	MW?	3/2/2004	36.01	CGPS	88	0.02	URS	-0.510	4"PVC	BP608
	MW13	3/2/2004	37.55	CGPS	88	0.02	URS	-0.350	4"PVC	BP608

Number	Latitude dec.	Longitude dec.	shot elevation-ft	Raw desc	Feature	Desc	diff. To casing	casing elev -ft	casing type	
1	37.6740707	-122.1241072	34.564	CP1	CUT +			34.564		
2	37.6742393	-122.1237503	35.166	CP2	CUT +			35.166		
10	37.6737193	-122.124583	34.057	CP10	PK			34.057		
11	37.6735038	-122.1254196	33.421	CP11	PK			33.421		
12	37.6738738	-122.1259791	33.87	CP12	PK			33.870		
13	37.6740563	-122.1265163	32.984	CP13	PK			32.984		
14	37.6729243	-122.126006	32.854	CP14	PK			32.854		
15	37.6719105	-122.1271479	31.422	CP15	PK			31.422		
16	37.6727326	-122.1274622	32.585	CP16	PK			32.585		
17	37.6738569	-122.1275298	31.82	CP17	PK			31.820		
102	37.6743468	-122.1249359	32.889	MW14	LID/PAVING		-0.280	32.609	4"PVC	
103	37.6738101	-122.1246654	34.115	MW10	LID/PAVING		-0.620	33.495	3"PVC	
104	37.6737851	-122.124713	33.907	EW,SP2/V5	LID/PAVING		-0.180	33.727	2"PVC (ORANGE CAP)	
104	37.6737851	-122.124713	33.907	EW,SP2/V5	LID/PAVING		-0.140	33.767	2"PVC (GREEN CAP)	
105	37.6735593	-122.1244336	34.973	MW11	LID/PAVING		-0.420	34.553	3"PVC	
107	37.6736408	-122.1254076	33.924	MW15	LID/PAVING		-0.430	33.494	4"PVC	
108	37.6732952	-122.1251027	37.897	WELL,642H	CASING			37.897	4"PVC	
109	37.6732889	-122.1250991	36.213	WELL,642H	GROUND			36.213		
110	37.6738435	-122.1259203	33.834	MW16	LID/PAVING		-0.420	33.414	4"PVC	
113	37.6742749	-122.1267276	32.167	MW18	LID/PAVING		-0.300	31.867	4"PVC	
114	37.6747494	-122.1270327	31.486	MW19	LID/PAVING		-0.180	31.306	4"PVC	
116	37.6740186	-122.1255015	34.537	WELL,17372VM	CONCRETE			34.537		
118	37.6731049	-122.1264195	33.467	MW23	LID/PAVING		-0.310	33.157	4"PVC	
122	37.6735647	-122.1274488	31.722	MW22	LID/PAVING		-0.290	31.432	4"PVC	
123	37.6743291	-122.1278088	31.165	MW21	LID/PAVING		-0.500	30.665	4"PVC	
144	37.6737555	-122.1234245	36.953	MW7	LID/PAVING		-0.620	36.333	3"PVC	
145	37.6737556	-122.1234246	36.953	MW25	LID/PAVING		-0.620	36.333	3"PVC	
146	37.6739096	-122.1235039	36.4	MW5	LID/CONC		-0.430	35.970	2"PVC	
148	37.6744243	-122.1243769	36.796	MW24	LID/GROUND		-0.320	36.476	2"PVC	
149	37.6742283	-122.1242984	36.141	MW26	LID/GROUND		-0.440	35.701	2"PVC	
150	37.6740892	-122.1239714	34.526	MW9	LID/PAVING		-0.530	33.996	3"PVC	
151	37.6737993	-122.1239846	35.302	MW8	LID/PAVING		-0.830	34.472	3"PVC	
152	37.6738705	-122.1239686	35.536	EW,E1A	LID/PAVING		-1.240	34.296	6"PVC	
153	37.6738562	-122.1239039	36.05	EW,SP1/V4	LID/PAVING		-1.630	34.420	2"PVC (GREEN CAP)	
153	37.6738562	-122.1239039	36.05	EW,SP1/V4	LID/PAVING		-1.600	34.450	2"PVC (ORANGE CAP)	
154	37.673835	-122.1238572	36.516	MW?	LID/PAVING		-0.510	36.006	4"PVC	
155	37.6736109	-122.1237431	37.9	MW13	LID/PAVING		-0.350	37.550	4"PVC	