URS

April 29, 2005

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

Re: First Quarter 2005 Groundwater Monitoring and Remediation System Performance Report
ARCO Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California
ST ID #779

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *First Quarter 2005 Groundwater Monitoring and Remediation System Performance 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

REGISTERED PROFESSIONAL ENGINEER
JOHN H. MADIGAN
No. 65568
Exp. 9/30/05
CIVIL
STATE OF CALIFORNIA

Scott Robinson
Project Manager

John H. Madigan, P.E.
Civil Engineer

Enclosure: First Quarter 2005 Groundwater Monitoring and Remediation System Performance Report

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS
Mr. John Kaiser, Regional Water Quality Control Board - San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612; electronic copy uploaded to Geotracker website

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 29, 2005

Re: First Quarter 2005 Groundwater Monitoring and Remediation System Performance Report
ARCO Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California
ST ID #779

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 2005 GROUNDWATER MONITORING & REMEDIATION SYSTEM PERFORMANCE REPORT

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

Prepared for
RM

April 29, 2005

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

Date: April 29, 2005

Quarter: 1Q 05

RM QUARTERLY GROUNDWATER MONITORING AND REMEDIATION SYSTEM PERFORMANCE REPORT

Facility No.:	0608	Address:	17601 Hesperian Boulevard, San Lorenzo, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Primary Agency:			Alameda County Environmental Health (ACEH)
Primary Agency Case No.:			ST ID # 779

WORK PERFORMED THIS QUARTER (First – 2005):

1. Prepared and submitted Fourth Quarter 2004 Groundwater Monitoring and Remediation System Performance Report.
2. Performed first quarter 2005 groundwater monitoring event on March 10, 2005.
3. Continued operation, maintenance and performance monitoring of the groundwater extraction and treatment (GWET) system.
4. Continued monthly payments to homeowners for not using domestic irrigation wells.
5. Continued homeowner quarterly monitoring result notification program.
6. Submitted Monthly Discharge Reports to Oro Loma Sanitary District.

WORK PROPOSED FOR NEXT QUARTER (Second – 2005):

1. Prepare and submit this First Quarter 2005 Groundwater Monitoring and Remediation System Performance Report.
2. Perform second quarter 2005 groundwater monitoring event.
3. Continue operation, maintenance and performance monitoring of GWET system.
4. Continue monthly payments to homeowners for not using domestic irrigation wells.
5. Continue homeowner quarterly monitoring result notification program.
6. Submit Monthly Discharge Reports to Oro Loma Sanitary District.

SITE SUMMARY:

Current Phase of Project:	Groundwater monitoring/sampling/remediation
Frequency of Groundwater Sampling:	See Table 4
Frequency of Groundwater Monitoring:	See Table 4
Is Free Product (FP) Present On-Site:	No
FP Recovered this Quarter	None
Current Remediation Techniques:	GWET
Approximate Depth to Groundwater:	7.32 feet (MW-14) to 14.60 feet (E-1A)
Groundwater Gradient (direction):	West-Southwest
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 08/04/2005		
Gallons of Groundwater Treated and Discharge for this Quarter:	181,179		
Total Gallons of Groundwater Treated and Discharged to Date:	8,171,514		
Total Operation Hours to Date:	19,741		
Mass Removal (pounds):	Quarterly		Cumulative
GRO:	0.043		7.48
Benzene:	0.000		0.31
MTBE:	0.033		2.91
GWET System Samples Collection Dates and Effluent Results (µg/L):	01/19/05	02/16/05	03/16/05
GRO:	<50	<50	<50
Benzene:	<0.50	<0.50	<0.50
MTBE:	<0.50	<0.50	<0.50

DISCUSSION:

Gasoline range organics were detected at or above the laboratory reporting limit in one of eleven wells sampled this quarter at a concentration of 280 µg/L (MW-10). Methyl-tert-butyl ether was detected at or above the laboratory reporting limit in six wells at concentrations ranging from 1.4 µg/L (MW-8) to 86 µg/L (MW-10). Tert-amyl methyl ether was detected at or above the laboratory reporting limit in three wells at concentrations ranging from 0.95 µg/L (E-1A) to 2.3 µg/L (MW-25). Tert-butyl alcohol was detected at or above laboratory reporting limit in one well at a concentration of 50 µg/L (MW-10). No other fuel components were detected at or above their respective laboratory reporting limits in wells sampled this quarter.

Domestic irrigation well 17372VM was sampled this quarter. No dissolved hydrocarbons were detected at or above the laboratory reporting limit in this well. Domestic irrigation well 642 H was not sampled this quarter due to access issues.

From December 16, 2004 to March 16, 2005, the GWET system operated 100 percent of the time. During this time period, a total of 181,179 gallons of groundwater was treated and discharged. Performance data and laboratory analytical data are included in Tables 5 and 6.

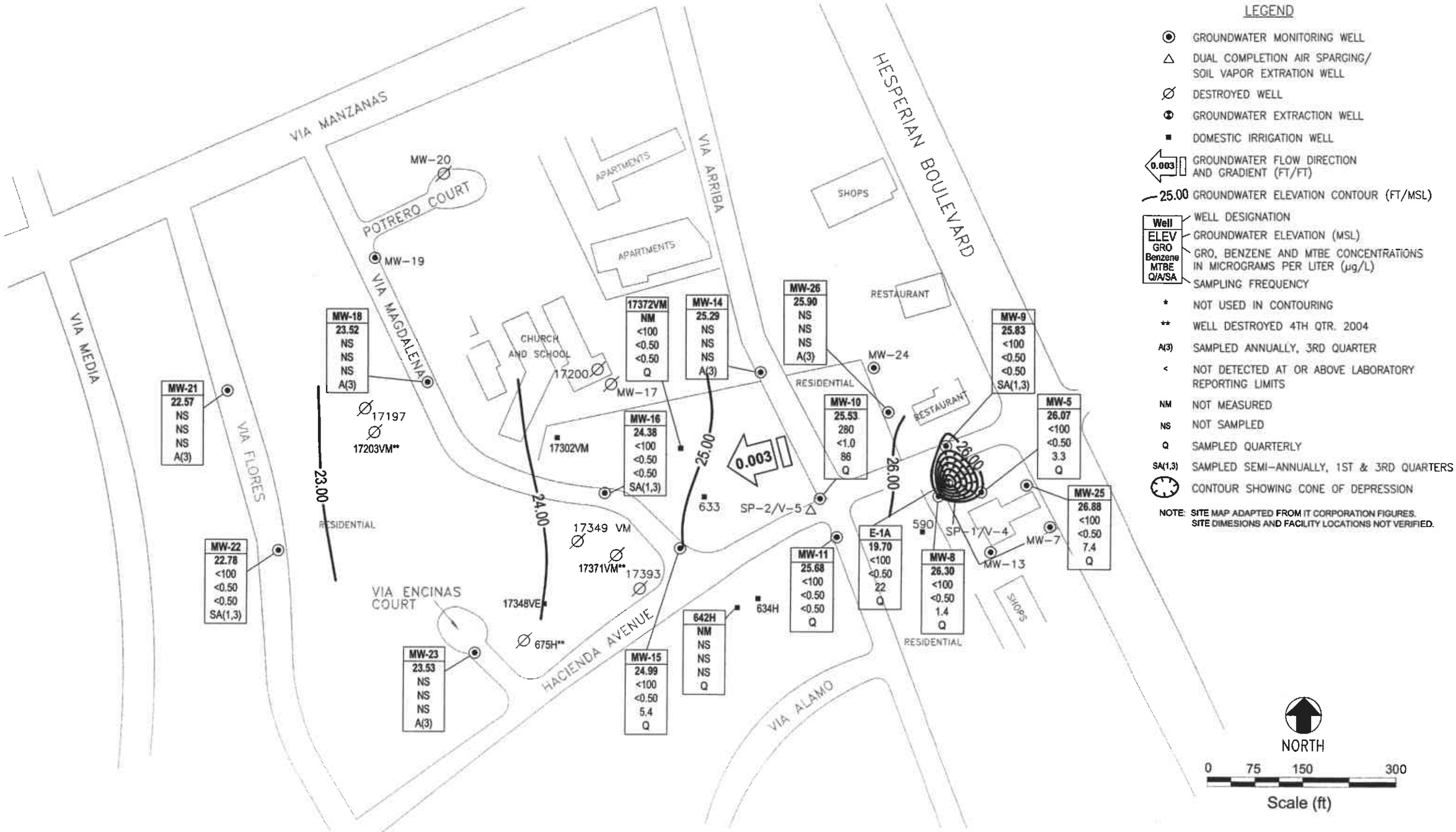
RECOMMENDATIONS:

Based on consistently low to non-detectable concentrations at or above laboratory reporting limits, URS recommends the following reductions in sampling frequency:

Well Number	Current	Proposed
MW-5	Quarterly	Semiannually
MW-8	Quarterly	Semiannually
MW-9	Semiannually	Annually
MW-11	Quarterly	Annually
MW-15	Quarterly	Semiannually
MW-16	Semiannually	Annually
MW-22	Semiannually	Annually

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – March 10, 2005
- Figure 2 – Groundwater Extraction System Mass Removal Trend GRO/TPH-g and Benzene
- Figure 3 – Groundwater Extraction System Concentration Trend GRO/TPH-g and Benzene
- Figure 4 – Groundwater Extraction System Mass Removal Trend MTBE
- Figure 5 – Groundwater Extraction System Concentration Trend MTBE
- Table 1 – Groundwater Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Table 3 – Groundwater Gradient Data
- Table 4 – Groundwater Sampling Schedule
- Table 5 – Groundwater Extraction System Performance Data
- Table 6 – Treatment System Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – Historical Groundwater Data Tables
- Attachment D – Error Check Reports and EDF/Geowell Submittal Confirmations
- Attachment E – O&M Field Data Sheets, Certified Analytical Reports, and Chain-of-Custody Records



LEGEND

- GROUNDWATER MONITORING WELL
- DUAL COMPLETION AIR SPARGING/ SOIL VAPOR EXTRATION WELL
- DESTROYED WELL
- GROUNDWATER EXTRACTION WELL
- DOMESTIC IRRIGATION WELL
- 0.003 GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 25.00 GROUNDWATER ELEVATION CONTOUR (FT/MSL)
- Well / ELEV / GRO / Benzene / MTBE / Q/A/SA — WELL DESIGNATION; GROUNDWATER ELEVATION (MSL); GRO, BENZENE AND MTBE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L); SAMPLING FREQUENCY
- * NOT USED IN CONTOURING
- ** WELL DESTROYED 4TH QTR. 2004
- A(3) SAMPLED ANNUALLY, 3RD QUARTER
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NM NOT MEASURED
- NS NOT SAMPLED
- Q SAMPLED QUARTERLY
- SA(1,3) SAMPLED SEMI-ANNUALLY, 1ST & 3RD QUARTERS
- CONTOUR SHOWING CONE OF DEPRESSION

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

URS	Project No. 38467168 Arco Service Station #0608 17601 Hesperian Boulevard San Lorenzo, California	**Groundwater Elevation Contour and Analytical Summary Map First Quarter 2005 (March 10, 2005)**	FIGURE 1

Apr 29, 2005 - 10:23am
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Figure 2
Groundwater Extraction System Mass Removal Trend
TPH-g/GRO and Benzene

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

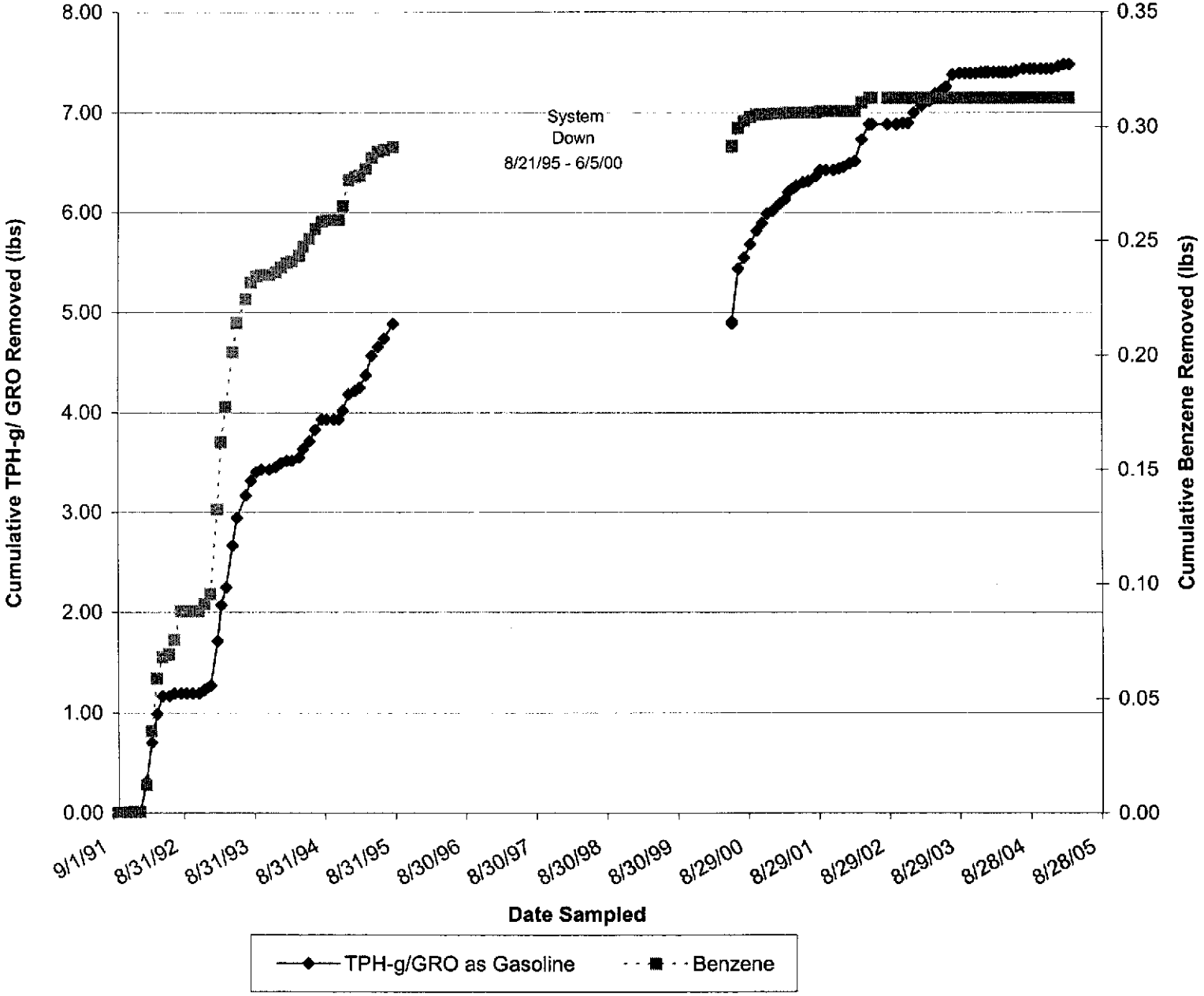

Figure 3
Groundwater Extraction System Concentration Trend
TPH-g/ GRO and Benzene

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

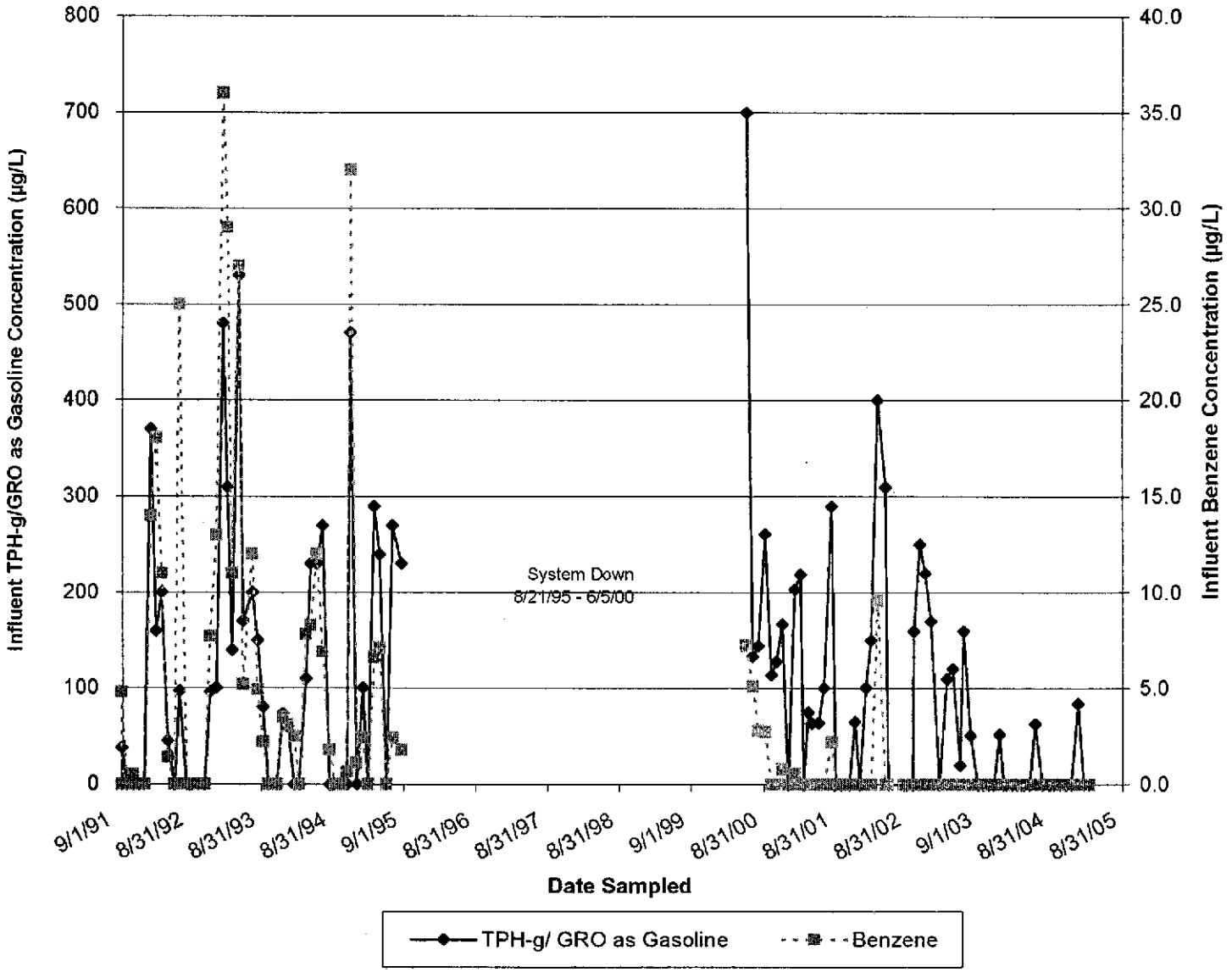

Figure 4
Groundwater Extraction System Mass Removal Trend
MtBE

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

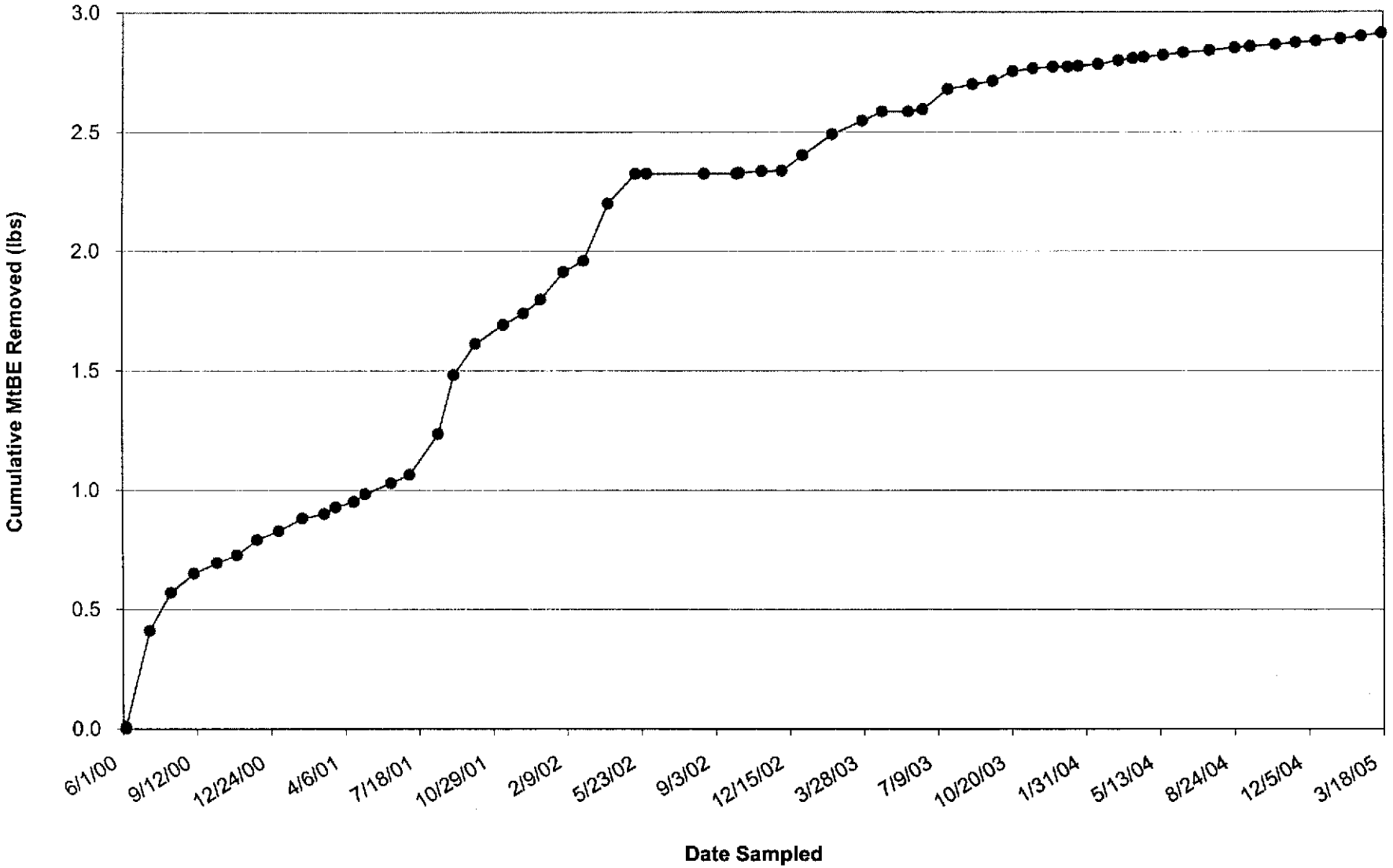

Figure 5
Groundwater Extraction System Concentration Trend
MtBE

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

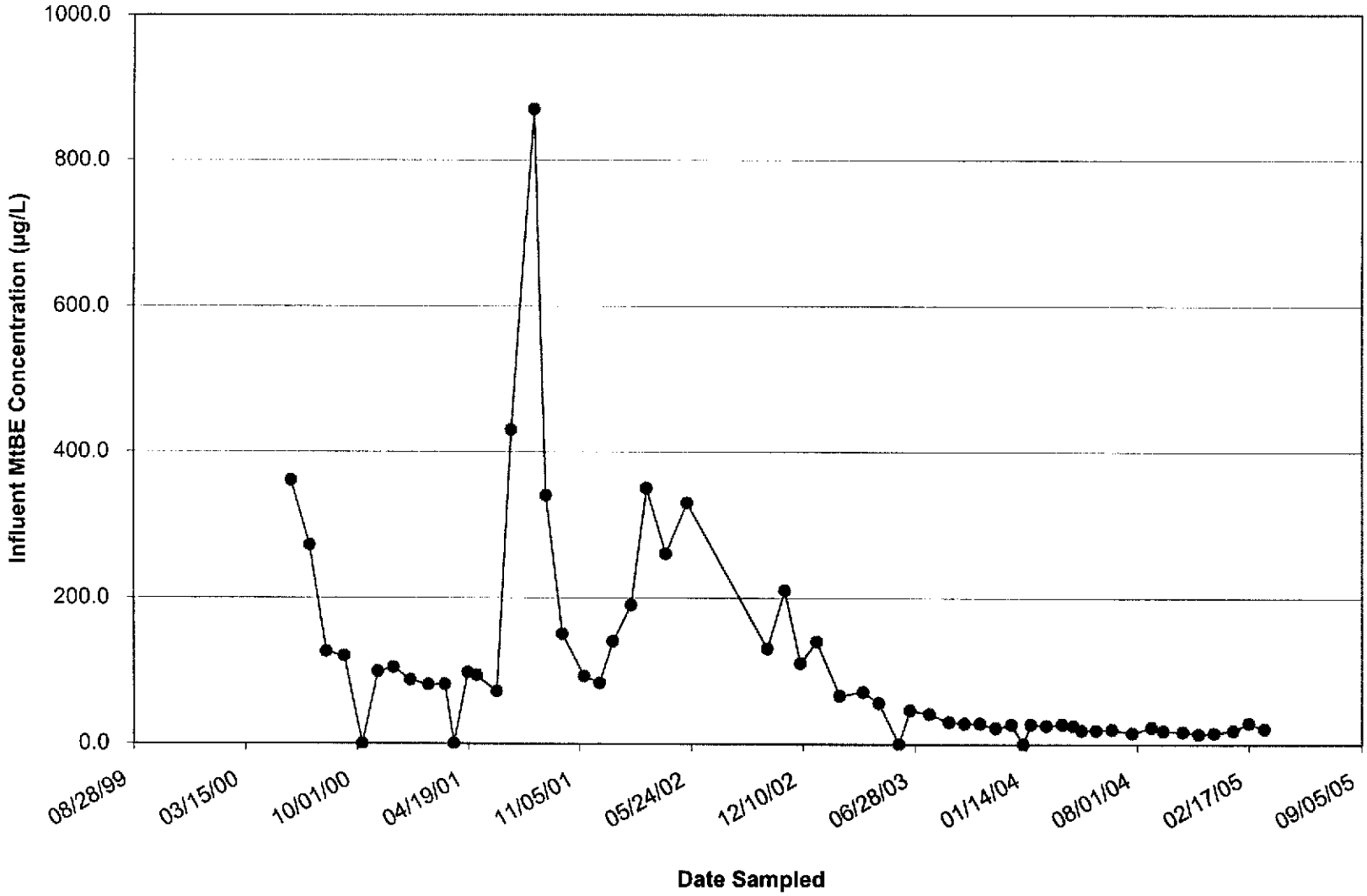

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
17349 VM	3/13/2002	--		--	--	--	--	--	<50	1	<0.50	<0.50	<0.50	49	--	--
	6/28/2002	--	l	--	--	--	--	--	66	0.50	<0.50	<0.50	<0.50	47/45	--	--
	9/20/2002	--	k	--	--	--	--	--	---	---	---	---	---	--	--	--
17372 VM	3/13/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	12/30/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	9/15/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	NP		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	7.2
	03/10/2004	--	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	06/10/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.1	6.9
	09/22/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	7.2
	12/13/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.76	7.6
	03/10/2005	**NP**	**m**	--	--	--	--	--	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**<0.50**	**7.5**	**8.0**
642 H	3/13/2002	--	j	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	12/30/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	j	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/15/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	NP		--	--	--	14.75	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	7.1
	06/10/2004	--	n	--	--	--	--	--	--	--	--	--	--	--	7.9	--
	09/22/2004	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2004	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/10/2005	--	n	--	--	--	--	--	--	--	--	--	--	--	--	--
E-1A	3/13/2002	--	a	33.06	--	--	21.75	11.31	200	<0.50	<0.50	<0.50	<0.50	310	--	--
	6/28/2002	--	b	33.06	--	--	11.22	21.84	260	<0.50	11	1.2	1.2	150	--	--
	9/20/2002	--		33.06	--	--	11.80	21.26	250	1.18	0.52	<0.5	<1.5	218	--	--
	12/30/2002	--	c, e	33.06	--	--	16.33	16.73	190	<1.2	<1.2	<1.2	<1.2	190	--	--
	3/27/2003	--	g	33.06	--	--	13.63	19.43	96	<0.50	<0.50	<0.50	<0.50	60	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
E-1A	6/30/2003	P	h	33.06	--	--	9.60	23.46	140	<0.50	<0.50	<0.50	<0.50	37	--	--
	9/15/2003	P	g	33.06	--	--	17.80	15.26	83	<0.50	<0.50	<0.50	<0.50	49	--	--
	12/04/2003	NP	g	33.06	--	--	18.73	14.33	<50	<0.50	<0.50	<0.50	<0.50	19	4.3	7.0
	03/10/2004	NP	g	34.30	--	--	16.78	17.52	<100	<1.0	<1.0	<1.0	<1.0	38	4.9	7.2
	06/10/2004	NP	g, p	34.30	--	--	16.67	17.63	74	<0.50	<0.50	<0.50	<0.50	46	2.0	6.7
	09/22/2004	NP		34.30	--	--	18.46	15.84	<50	<0.50	<0.50	<0.50	<0.50	17	--	7.0
	12/13/2004	NP		34.30	--	--	17.56	16.74	<50	<0.50	<0.50	<0.50	<0.50	15	7.13	6.9
	03/10/2005	**NP**		**34.30**	**--**	**--**	**14.60**	**19.70**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**22**	**6.6**	**8.0**
MW-1	3/15/1996	--		175.04	--	--	14.24	160.80	---	---	---	---	---	--	--	--
MW-5	3/13/2002	--		33.99	--	--	11.46	22.53	530	<2.5	<2.5	<2.5	<2.5	230	--	--
	6/28/2002	--	b	33.99	--	--	11.75	22.24	180	<1.0	2.6	<1.0	1.2	230	--	--
	9/20/2002	--		33.99	--	--	12.15	21.84	<50	<0.50	<0.50	<0.50	<1.50	333	--	--
	12/30/2002	--		33.99	--	--	9.73	24.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		33.99	--	--	11.24	22.75	100	<0.50	<0.50	<0.50	<0.50	59	--	--
	6/30/2003	--		33.99	--	--	11.62	22.37	91	<0.50	<0.50	<0.50	<0.50	58	--	--
	9/15/2003	--		33.99	--	--	12.13	21.86	<250	<2.5	<2.5	<2.5	<2.5	61	--	--
	12/04/2003	P		33.99	--	--	11.85	22.14	81	<0.50	<0.50	<0.50	<0.50	42	1.7	7.0
	03/10/2004	P		35.97	--	--	10.34	25.63	<50	<0.50	<0.50	<0.50	<0.50	9.5	1.2	6.6
	06/10/2004	P		35.97	--	--	11.65	24.32	55	<0.50	<0.50	<0.50	<0.50	31	1.3	7.0
	09/22/2004	P		35.97	--	--	12.23	23.74	<50	<0.50	<0.50	<0.50	<0.50	15	0.8	6.8
	12/13/2004	P		35.97	--	--	11.16	24.81	<50	<0.50	<0.50	<0.50	<0.50	5.4	3.76	6.8
	03/10/2005	**P**		**35.97**	**--**	**--**	**9.90**	**26.07**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**3.3**	**2.6**	**7.7**
MW-8	3/13/2002	--		32.79	--	--	10.30	22.49	500	<2.5	<2.5	<2.5	<2.5	1,100	--	--
	6/28/2002	--	b	32.79	--	--	10.30	22.49	150	<0.50	2.9	0.54	1.5	130	--	--
	9/20/2002	--		32.79	--	--	10.84	21.95	<50	<0.50	<0.50	<0.50	<1.50	273	--	--
	12/30/2002	--		32.79	--	--	8.31	24.48	<50	<0.50	<0.50	<0.50	<0.50	5.5	--	--
	3/27/2003	--		32.79	--	--	9.85	22.94	63	<0.50	<0.50	<0.50	<0.50	33	--	--
	6/30/2003	--		32.79	--	--	10.20	22.59	<50	<0.50	<0.50	<0.50	<0.50	15	--	--
	9/15/2003	--		32.79	--	--	10.69	22.10	59	<0.50	<0.50	<0.50	<0.50	41	--	--
	12/04/2003	P		32.79	--	--	10.43	22.36	<50	<0.50	<0.50	<0.50	<0.50	24	1.0	7.0
	03/10/2004	P		34.47	--	--	9.04	25.43	<50	<0.50	<0.50	<0.50	<0.50	2.4	0.9	6.8
	06/10/2004	P		34.47	--	--	10.40	24.07	<50	<0.50	<0.50	<0.50	<0.50	2.1	0.6	7.0

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-8	09/22/2004	P		34.47	--	--	10.74	23.73	84	<0.50	<0.50	<0.50	<0.50	18	0.9	6.9
	12/13/2004	P		34.47	--	--	9.73	24.74	<50	<0.50	<0.50	<0.50	<0.50	7.1	0.95	6.8
	03/10/2005	**P**		**34.47**	**--**	**--**	**8.17**	**26.30**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**1.4**	**2.0**	**7.4**
MW-9	3/13/2002	--		32.11	--	--	9.49	22.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		32.11	--	--	9.78	22.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		32.11	--	--	10.29	21.82	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
	12/30/2002	--		32.11	--	--	7.60	24.51	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		32.11	--	--	9.14	22.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	u	32.11	--	--	9.64	22.47	--	--	--	--	--	--	--	--
	9/15/2003	--		32.11	--	--	10.12	21.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	--	u	32.11	--	--	--	--	--	--	--	--	--	--	--	--
	03/10/2004	P		34.00	--	--	8.46	25.54	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	7.3
	06/10/2004	--	u	34.00	--	--	9.88	24.12	--	--	--	--	--	--	--	--
	09/22/2004	P		34.00	--	--	10.05	23.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.0
	12/13/2004	--	u	34.00	--	--	9.17	24.83	--	--	--	--	--	--	--	--
	03/10/2005	**P**		**34.00**	**--**	**--**	**8.17**	**25.83**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**<0.50**	**2.2**	**7.7**
MW-10	3/13/2002	--		31.67	--	--	9.68	21.99	680	<5.0	<5.0	<5.0	<5.0	570	--	--
	6/28/2002	--	b	31.67	--	--	9.84	21.83	820	<2.0	<2.0	<2.0	<2.0	1,200	--	--
	9/20/2002	--		31.67	--	--	10.37	21.30	194	<0.50	<0.50	<0.50	<1.50	575	--	--
	12/30/2002	--		31.67	--	--	7.70	23.97	<50	<0.50	<0.50	<0.50	<0.50	490	--	--
	3/27/2003	--		31.67	--	--	9.33	22.34	530	<5.0	<5.0	<5.0	<5.0	330	--	--
	6/30/2003	--		31.67	--	--	9.75	21.92	<1,000	<10	<10	<10	<10	750	--	--
	9/15/2003	P		31.67	--	--	10.17	21.50	<500	<5.0	<5.0	<5.0	<5.0	430	--	--
	12/04/2003	P		31.67	--	--	9.95	21.72	<250	<2.5	<2.5	<2.5	<2.5	110	--	6.9
	03/10/2004	P		33.50	--	--	8.57	24.93	420	<2.5	<2.5	<2.5	<2.5	140	1.2	6.5
	06/10/2004	--		33.50	--	--	9.95	23.55	600	<5.0	<5.0	<5.0	<5.0	410	--	6.9
	09/22/2004	P		33.50	--	--	10.23	23.27	560	<0.50	<0.50	<0.50	<0.50	87	0.8	6.9
	12/13/2004	P		33.50	--	--	9.28	24.22	290	<1.0	<1.0	<1.0	<1.0	110	1.6	6.5
	03/10/2005	**P**		**33.50**	**--**	**--**	**7.97**	**25.53**	**280**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**86**	**3.2**	**7.3**
MW-11	3/13/2002	--		32.54	--	--	10.38	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		32.54	--	--	10.74	21.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		32.54	--	--	11.27	21.27	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-11	12/30/2002	--		32.54	--	--	8.73	23.81	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		32.54	--	--	10.25	22.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--		32.54	--	--	10.65	21.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	9/15/2003	--		32.54	--	--	11.03	21.51	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	P		32.54	--	--	10.84	21.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	7.0
	03/10/2004	P		34.55	--	--	9.41	25.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	6.9
	06/10/2004	--		34.55	--	--	10.82	23.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.9
	09/22/2004	P		34.55	--	--	11.10	23.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.9
	12/13/2004	P		34.55	--	--	10.19	24.36	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.83	6.6
	03/10/2005	**P**		**34.55**	**--**	**--**	**8.87**	**25.68**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**<0.50**	**2.3**	**7.7**
MW-14	3/13/2002	--		30.46	--	--	8.56	21.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	30.46	--	--	9.12	21.34	--	--	--	--	--	--	--	--
	9/20/2002	--	q	30.46	--	--	9.79	20.67	--	--	--	--	--	--	--	--
	12/30/2002	--	q	30.46	--	--	7.13	23.33	--	--	--	--	--	--	--	--
	3/27/2003	--		30.46	--	--	8.53	21.93	<50	<0.50	0.86	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	30.46	--	--	9.05	21.41	--	--	--	--	--	--	--	--
	9/15/2003	--	q	30.46	--	--	9.47	20.99	--	--	--	--	--	--	--	--
	12/04/2003	--	q	30.46	--	--	9.20	21.26	--	--	--	--	--	--	--	--
	03/10/2004	--	q	32.61	--	--	7.90	24.71	--	--	--	--	--	--	--	--
	06/10/2004	--	q	32.61	--	--	9.25	23.36	--	--	--	--	--	--	--	--
	09/22/2004	P		32.61	--	--	9.55	23.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	--
	12/13/2004	--		32.61	--	--	8.46	24.15	--	--	--	--	--	--	--	--
	03/10/2005	**--**		**32.61**	**--**	**--**	**7.32**	**25.29**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-15	3/13/2002	--		31.41	--	--	10.03	21.38	<50	<0.50	<0.50	<0.50	<0.50	21	--	--
	6/28/2002	--		31.41	--	--	10.41	21.00	<50	<0.50	<0.50	<0.50	<0.50	8.7	--	--
	9/20/2002	--		31.41	--	--	11.00	20.41	<50	<0.50	<0.50	<0.50	<1.50	21.6	--	--
	12/30/2002	--		31.41	--	--	8.33	23.08	<50	<0.50	<0.50	<0.50	<0.50	67	--	--
	3/27/2003	--		31.41	--	--	9.83	21.58	<50	<0.50	<0.50	<0.50	<0.50	17	--	--
	6/30/2003	--		31.41	--	--	10.00	21.41	<50	<0.50	<0.50	<0.50	<0.50	12	--	--
	9/15/2003	--		31.41	--	--	10.67	20.74	<50	<0.50	<0.50	<0.50	<0.50	10	--	--
	12/04/2003	P		31.41	--	--	10.47	20.94	<50	<0.50	<0.50	<0.50	<0.50	6.4	2.6	7.0
	03/10/2004	P		33.49	--	--	9.09	24.40	<50	<0.50	<0.50	<0.50	<0.50	11	1.5	6.9
	06/10/2004	P		33.49	--	--	10.50	22.99	<50	<0.50	<0.50	<0.50	<0.50	5.7	0.5	6.9

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-15	09/22/2004	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2004	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
	03/10/2005	**P**		**33.49**	**--**	**--**	**8.50**	**24.99**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**5.4**	**2.7**	**7.7**
MW-16	3/13/2002	--		31.39	--	--	10.51	20.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		31.39	--	--	10.96	20.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		31.39	--	--	10.47	20.92	<50	<0.50	<0.50	<0.50	<1.50	1.67	--	--
	12/30/2002	--		31.39	--	--	---	--	--	--	--	--	--	--	--	--
	3/27/2003	--		31.39	--	--	10.28	21.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	i, q	31.39	--	--	10.87	20.52	--	--	--	--	--	--	--	--
	9/15/2003	--		31.39	--	--	11.25	20.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	--	u	31.39	--	--	10.99	20.40	--	--	--	--	--	--	--	--
	03/10/2004	P		33.41	--	--	9.66	23.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.5
	06/10/2004	--		33.41	--	--	11.06	22.35	--	--	--	--	--	--	--	--
	09/22/2004	P		33.41	--	--	11.40	22.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	7.0
	12/13/2004	--		33.41	--	--	10.27	23.14	--	--	--	--	--	--	--	--
	03/10/2005	**P**		**33.41**	**--**	**--**	**9.03**	**24.38**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**<0.50**	**3.9**	**7.0**
MW-18	3/13/2002	--		29.70	--	--	9.46	20.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	29.70	--	--	10.05	19.65	--	--	--	--	--	--	--	--
	9/20/2002	--	q	29.70	--	--	10.67	19.03	--	--	--	--	--	--	--	--
	12/30/2002	--	q	29.70	--	--	7.98	21.72	--	--	--	--	--	--	--	--
	3/27/2003	--		29.70	--	--	9.18	20.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	29.70	--	--	9.68	20.02	--	--	--	--	--	--	--	--
	9/15/2003	--	q	29.70	--	--	10.30	19.40	--	--	--	--	--	--	--	--
	12/04/2003	--	q	29.70	--	--	9.99	19.71	--	--	--	--	--	--	--	--
	03/10/2004	--	q	31.87	--	--	8.78	23.09	--	--	--	--	--	--	--	--
	06/10/2004	--	q	31.87	--	--	10.12	21.75	--	--	--	--	--	--	--	--
	09/22/2004	P		31.87	--	--	10.45	21.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9
	12/13/2004	--		31.87	--	--	9.25	22.62	--	--	--	--	--	--	--	--
	03/10/2005	**--**		**31.87**	**--**	**--**	**8.35**	**23.52**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-21	3/13/2002	--		28.72	--	--	9.40	19.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	6/28/2002	--	q	28.72	--	--	9.80	18.92	--	--	--	--	--	--	--	--
	9/20/2002	--	q	28.72	--	--	10.27	18.45	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-21	12/30/2002	--	q	28.72	--	--	7.70	21.02	--	--	--	--	--	--	--	--
	3/27/2003	--		28.72	--	--	9.05	19.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	28.72	--	--	9.48	19.24	--	--	--	--	--	--	--	--
	9/15/2003	--	q	28.72	--	--	10.06	18.66	--	--	--	--	--	--	--	--
	12/04/2003	--	q	28.72	--	--	9.69	19.03	--	--	--	--	--	--	--	--
	03/10/2004	--	q	30.67	--	--	8.60	22.07	--	--	--	--	--	--	--	--
	06/10/2004	--	q	30.67	--	--	9.85	20.82	--	--	--	--	--	--	--	--
	09/22/2004	P		30.67	--	--	10.17	20.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	6.9
	12/13/2004	--		30.67	--	--	8.92	21.75	--	--	--	--	--	--	--	--
	03/10/2005	--		**30.67**	--	--	**8.10**	**22.57**	--	--	--	--	--	--	--	--
MW-22	3/13/2002	--		29.29	--	--	9.86	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		29.29	--	--	10.65	18.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		29.29	--	--	11.05	18.24	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
	12/30/2002	--		29.29	--	--	8.28	21.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		29.29	--	--	9.85	19.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	i, q	29.29	--	--	10.20	19.09	--	--	--	--	--	--	--	--
	9/15/2003	--		29.29	--	--	10.81	18.48	<500	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	12/04/2003	--		29.29	--	--	10.49	18.80	--	--	--	--	--	--	--	--
	03/10/2004	P		31.43	--	--	9.24	22.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	6.6
	06/10/2004	--		31.43	--	--	10.60	20.83	--	--	--	--	--	--	--	--
	09/22/2004	P		31.43	--	--	10.94	20.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
	12/13/2004	--		31.43	--	--	9.73	21.70	--	--	--	--	--	--	--	--
	03/10/2005	**P**		**31.43**	--	--	**8.65**	**22.78**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**<0.50**	**3.3**	**7.4**
MW-23	3/13/2002	--		30.99	--	--	11.01	19.98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	30.99	--	--	11.59	19.40	--	--	--	--	--	--	--	--
	9/20/2002	--	q	30.99	--	--	12.00	18.99	--	--	--	--	--	--	--	--
	12/30/2002	--	q	30.99	--	--	9.42	21.57	--	--	--	--	--	--	--	--
	3/27/2003	--		30.99	--	--	11.00	19.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	30.99	--	--	11.47	19.52	--	--	--	--	--	--	--	--
	9/15/2003	--	q	30.99	--	--	11.84	19.15	--	--	--	--	--	--	--	--
	12/04/2003	--	q	30.99	--	--	11.61	19.38	--	--	--	--	--	--	--	--
	03/10/2004	--	q	33.16	--	--	10.24	22.92	--	--	--	--	--	--	--	--
	06/10/2004	--	q	33.16	--	--	11.60	21.56	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-23	09/22/2004	P		33.16	--	--	11.95	21.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.9
	12/13/2004	--		33.16	--	--	10.88	22.28	--	--	--	--	--	--	--	--
	03/10/2005	**--**		**33.16**	**--**	**--**	**9.63**	**23.53**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-25	3/13/2002	--		33.81	--	--	10.99	22.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		33.81	--	--	11.26	22.55	<50	<0.50	<0.50	<0.50	<0.50	36	--	--
	9/20/2002	--		33.81	--	--	11.65	22.16	117	<0.50	<0.50	<0.50	<1.50	259	--	--
	12/30/2002	--	d, f	33.81	--	--	9.33	24.48	95	13	<0.50	<0.50	<0.50	98	--	--
	3/27/2003	--		33.81	--	--	10.82	22.99	150	<0.50	<0.50	<0.50	<0.50	90	--	--
	6/30/2003	--		33.81	--	--	11.20	22.61	<500	<5.0	<5.0	<5.0	<5.0	130	--	--
	9/15/2003	--		33.81	--	--	11.62	22.19	220	<1.0	<1.0	<1.0	<1.0	140	--	--
	12/04/2003	P		33.81	--	--	11.41	22.40	81	<0.50	<0.50	<0.50	<0.50	36	1.2	7.0
	03/10/2004	P		36.33	--	--	10.04	26.29	<50	<0.50	<0.50	<0.50	<0.50	14	1.2	6.7
	06/10/2004	P		36.33	--	--	11.40	24.93	<50	<0.50	<0.50	<0.50	<0.50	17	0.8	7.1
	09/22/2004	P		36.33	--	--	11.74	24.59	<50	<0.50	<0.50	<0.50	<0.50	29	1.1	7.0
	12/13/2004	P		36.33	--	--	10.72	25.61	<50	<0.50	<0.50	<0.50	<0.50	44	1.22	6.9
	03/10/2005	**P**		**36.33**	**--**	**--**	**9.45**	**26.88**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<4.0**	**7.4**	**2.0**	**7.7**
MW-26	3/13/2002	--		33.71	--	--	11.27	22.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	33.71	--	--	11.70	22.01	--	--	--	--	--	--	--	--
	9/20/2002	--	q	33.71	--	--	12.10	21.61	--	--	--	--	--	--	--	--
	12/30/2002	--	q	33.71	--	--	9.60	24.11	--	--	--	--	--	--	--	--
	3/27/2003	--		33.71	--	--	11.15	22.56	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	33.71	--	--	11.61	22.10	--	--	--	--	--	--	--	--
	9/15/2003	--	q	33.71	--	--	12.01	21.70	--	--	--	--	--	--	--	--
	12/04/2003	--	q	33.71	--	--	11.78	21.93	--	--	--	--	--	--	--	--
	03/10/2004	--	q	35.70	--	--	10.45	25.25	--	--	--	--	--	--	--	--
	06/10/2004	--	q	35.70	--	--	11.82	23.88	--	--	--	--	--	--	--	--
	09/22/2004	P		35.70	--	--	12.05	23.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	7.0
	12/13/2004	--		35.70	--	--	11.08	24.62	--	--	--	--	--	--	--	--
	03/10/2005	**--**		**35.70**	**--**	**--**	**9.80**	**25.90**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608
17601 Hesperian Blvd., San Lorenzo, CA

SYMBOLS & ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above laboratory reporting limit
DO = Dissolved oxygen
DTW = Depth to water in feet below ground surface
ft bgs = feet below ground surface
ft MSL = feet above mean sea level
GRO = Gasoline Range Organics, range C4-C12
GWE = Groundwater elevation measured in feet above mean sea level
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Well not purged prior to sampling
P = Well purged prior to sampling
TOC = Top of casing measured in feet above mean sea level
TPH-g = Total petroleum hydrocarbons as gasoline
ug/L = Micrograms per liter

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

NOTES:
The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.
Site surveyed to NAVD'88 datum on March 2, 2004.
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPHg was changed to GRO. The resulting data may be impacted by the potential of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported. Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12
Values for DO and pH were obtained through field measurements.

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
17372 VM	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/04/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/13/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
642 H	3/13/2002	<100	<20	--	<0.50	<0.50	<0.50	--	--	
	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	6/30/2003	--	--	--	--	--	--	--	--	a
	9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/04/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
E-1A	3/27/2003	<100	<20	60	<0.50	<0.50	2.3	--	--	
	6/30/2003	<100	<20	37	<0.50	<0.50	1.6	<0.50	<0.50	
	9/15/2003	<100	<20	49	<0.50	<0.50	2.4	<0.50	<0.50	
	12/04/2003	<100	<20	19	<0.50	<0.50	0.89	--	--	
	03/10/2004	<200	<40	38	<1.0	<1.0	2.3	<1.0	<1.0	
	06/10/2004	<100	<20	46	<0.50	<0.50	2.2	<0.50	<0.50	
	09/22/2004	<100	<20	17	<0.50	<0.50	0.98	<0.50	<0.50	
	12/13/2004	<100	<20	15	<0.50	<0.50	0.75	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**22**	**<0.50**	**<0.50**	**0.95**	**<0.50**	**<0.50**	
MW-5	3/27/2003	<100	24	59	<0.50	<0.50	2.2	--	--	
	6/30/2003	<100	22	58	<0.50	<0.50	2.1	<0.50	<0.50	
	9/15/2003	<500	<100	61	<2.5	<2.5	2.5	--	--	
	12/04/2003	<100	<20	42	<0.50	<0.50	1.9	--	--	
	03/10/2004	<100	<20	9.5	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	31	<0.50	<0.50	1.0	<0.50	<0.50	
	09/22/2004	<100	<20	15	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/13/2004	<100	<20	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**3.3**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**b**
MW-8	3/27/2003	<100	<20	33	<0.50	<0.50	0.53	--	--	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-8	6/30/2003	<100	<20	15	<0.50	<0.50	0.85	<0.50	<0.50	
	9/15/2003	<100	<20	41	<0.50	<0.50	5.3	--	--	
	12/04/2003	<100	<20	24	<0.50	<0.50	3.7	--	--	
	03/10/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	18	<0.50	<0.50	1.5	<0.50	<0.50	
	12/13/2004	<100	<20	7.1	<0.50	<0.50	0.78	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**1.4**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**b**
MW-9	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**b**
MW-10	3/27/2003	<1,000	<200	330	<5.0	<5.0	15	--	--	
	6/30/2003	<2,000	<400	750	<10	<10	28	<10	<10	
	9/15/2003	<1,000	<200	430	<5.0	<5.0	15	<5.0	<5.0	
	12/04/2003	<500	<100	110	<2.5	<2.5	4.8	--	--	
	03/10/2004	<500	120	140	<2.5	<2.5	<2.5	<2.5	<2.5	
	06/10/2004	<1,000	<200	410	<5.0	<5.0	11	<5.0	<5.0	
	09/22/2004	<100	54	87	<0.50	<0.50	3.8	<0.50	<0.50	
	12/13/2004	<200	220	110	<1.0	<1.0	4.5	<1.0	<1.0	
	03/10/2005	**<100**	**50**	**86**	**<0.50**	**<0.50**	**2.2**	**<0.50**	**<0.50**	
MW-11	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	6/30/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/04/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/13/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**b**
MW-14	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-14	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-15	3/27/2003	<100	<20	17	<0.50	<0.50	<0.50	--	--	
	6/30/2003	<100	<20	12	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/15/2003	<100	<20	10	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/04/2003	<100	<20	6.4	<0.50	<0.50	<0.50	--	--	
	03/10/2004	<100	<20	11	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	5.7	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**5.4**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**b**
MW-16	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**b**
MW-18	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-21	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-22	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	9/15/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**b**
MW-23	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-25	3/27/2003	<100	<20	90	<0.50	<0.50	40	--	--	
	6/30/2003	<1,000	<200	130	<5.0	<5.0	81	<5.0	<5.0	
	9/15/2003	<200	<40	140	<1.0	<1.0	71	<1.0	<1.0	
	12/04/2003	<100	<20	36	<0.50	<0.50	17	--	--	
	03/10/2004	<100	<20	14	<0.50	<0.50	6.5	<0.50	<0.50	
	06/10/2004	<100	<20	17	<0.50	<0.50	7.2	<0.50	<0.50	
	09/22/2004	<100	<20	29	<0.50	<0.50	18	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0608

17601 Hesperian Blvd., San Lorenzo, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-25	12/13/2004	<100	45	44	<0.50	<0.50	18	<0.50	<0.50	
	03/10/2005	**<100**	**<10**	**7.4**	**<0.50**	**<0.50**	**2.3**	**<0.50**	**<0.50**	**b**
MW-26	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0608
17601 Hesperian Blvd., San Lorenzo, CA

SYMBOLS & ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above the laboratory reporting limit.
1,2-DCA = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
EDB = 1,2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol
ug/L = Micrograms per Liter

FOOTNOTES:
a = Well was not accessible this quarter.
b = Possible high bias due to CCV falling outside acceptance criteria for TBA.

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

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

All volatile organic compounds (Ethanol, TBA, MTBE, DIPE, ETBE, and TAME) analyzed using EPA Method 8260B.

Table 3

Groundwater Gradient Data

ARCO Service Station #0608
17601 Hesperian Blvd., San Lorenzo, CA

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

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

Table 4

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)
Domestic Irrigation Wells					
590H	----------Destroyed----------				
633H	----------Destroyed----------				
634H	----------Pump Not Functional, Well Not In Use----------				
642H	X	X	X	X	Quarterly
675H	----------Destroyed----------				
17197 VM	----------Destroyed----------				
17200 VM	----------Destroyed----------				
17203 VM	----------Destroyed----------				
17302 VM	----------Pump Not Functional, Well Not In Use----------				
17348 VE	----------Pump Not Functional, Well Not In Use----------				
17349 VM	----------Destroyed----------				
17371 VM	----------Destroyed----------				
17372 VM	X	X	X	X	Quarterly
17393 VM	----------Destroyed----------				

Notes:

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

2. Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPH-g) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Table 5

Groundwater Extraction System Performance Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue

San Lorenzo, California

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

Table 5

Groundwater Extraction System Performance Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue

San Lorenzo, California

Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	GRO/TPH-g			Benzene			MTBE		
							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)
07/14/94	b	20,145	35.4	3,574,408	55,800	2.0	270	0.12	3.83	6.9	0.004	0.26	---	---	---
08/17/94	c	20,920	5.0	51,260	91,580	2.0	ND	0.10	3.93	1.8	0.003	0.26	---	---	---
09/12/94		21,549	0.0	120,910	69,650	1.8	ND	0.00	3.93	ND	0.001	0.26	---	---	---
10/18/94		22,408	0.5	211,880	90,970	1.8	ND	0.00	3.93	ND	0.000	0.26	---	---	---
11/15/94		23,080	0.0	280,840	68,960	1.7	ND	0.00	3.93	0.7	0.000	0.26	---	---	---
12/05/94		23,489	14.8	325,830	44,990	1.8	470	0.09	4.02	32.0	0.006	0.27	---	---	---
01/04/95		24,205	0.6	408,740	82,910	1.9	ND	0.16	4.18	1.1	0.011	0.28	---	---	---
02/06/95		24,926	9.0	499,690	90,950	2.1	100	0.04	4.22	2.4	0.001	0.28	---	---	---
03/02/95		25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28	---	---	---
04/04/95		26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28	---	---	---
05/02/95		26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29	---	---	---
06/05/95		27,721	2.4	848,810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29	---	---	---
07/06/95		28,464	0.1	921,260	72,450	1.6	270	0.08	4.74	2.4	0.001	0.29	---	---	---
08/21/95	d	29,568	0.0	993,320	72,060	1.1	230	0.15	4.89	1.8	0.001	0.29	---	---	---
06/05/00	e	29,592	---	976,600	---	---	700	---	4.89	7.2	---	0.29	361.0	---	0.00
06/05/00		29,593	0.0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361.0	0.01	0.01
07/08/00		30,352	4.2	1,131,560	151,760	3.3	133	0.53	5.43	5.1	0.008	0.30	272.0	0.40	0.41
08/07/00		30,955	16.3	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126.0	0.16	0.57
09/08/00		31,528	25.4	1,306,300	78,060	2.3	261	0.13	5.68	2.7	0.002	0.30	120.0	0.08	0.65
10/10/00		32,230	8.6	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.69
11/07/00		32,880	3.3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.73
12/05/00		33,516	5.4	1,548,840	75,910	2.0	167	0.09	5.99	0.8	0.000	0.31	104.0	0.06	0.79
01/04/01		33,924	43.3	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.83
02/06/01		34,556	20.2	1,672,330	76,990	2.0	203	0.07	6.08	0.6	0.000	0.31	80.5	0.05	0.88
03/08/01		34,776	69.5	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.90
03/24/01	†	35,088	18.7	1,741,170	42,310	2.3	---	0.07	6.20	---	0.000	0.31	---	0.03	0.93
04/18/01		35,335	59.0	1,770,860	29,690	2.0	75	0.04	6.24	ND	0.000	0.31	97.5	0.02	0.95
05/04/01		35,716	0.0	1,812,690	41,830	1.8	63	0.02	6.26	ND	0.000	0.31	93.2	0.03	0.98
06/09/01		36,345	27.1	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	71.0	0.05	1.03
07/05/01	f	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430.0	0.04	1.07
08/14/01	f	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0.000	0.31	870.0	0.17	1.24
09/05/01		37,219	24.8	1,977,050	48,540	2.0	<100	0.06	6.42	<1.0	0.000	0.31	340.0	0.24	1.48
10/05/01		37,932	0.0	2,040,950	63,900	1.5	ND	0.00	6.42	ND	0.000	0.31	150.0	0.13	1.61
11/13/01		38,820	0.0	2,119,670	78,720	1.5	ND	0.00	6.42	ND	0.000	0.31	92.0	0.08	1.69
12/11/01		39,496	0.0	2,186,530	66,860	1.6	65	0.02	6.44	ND	0.000	0.31	83.0	0.05	1.74
01/04/02		40,063	0.0	2,248,700	62,170	1.8	<50	0.02	6.46	ND	0.000	0.31	140.0	0.06	1.80
02/05/02		40,830	0.2	2,333,090	84,390	1.8	100	0.04	6.49	ND	0.000	0.31	190.0	0.12	1.91

Table 5

Groundwater Extraction System Performance Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue

San Lorenzo, California

Influent Sample Date	Foot note	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)
03/05/02		40,968	79.4	2,353,460	20,370	2.5	150	0.02	6.51	<1.2	0.000	0.31	350.0	0.05	1.96
04/08/02		41,735	6.0	2,448,360	94,900	2.1	400	0.22	6.73	9.6	0.004	0.31	260.0	0.24	2.20
05/16/02		42,642	0.6	2,499,320	50,960	0.9	310	0.15	6.88	<1.0	0.002	0.31	330.0	0.13	2.33
05/31/02		42,832	47.2	2,503,380	4,060	0.4	---	0.00	6.88	---	0.000	0.31	---	0.00	2.33
08/19/02	g	44,925	---	2,520,289	16,909	0.1	---	0.00	6.88	---	0.000	0.31	---	0.00	2.33
10/03/02	g	44,956	---	2,520,582	293	0.2	---	0.00	6.88	---	0.000	0.31	---	0.00	2.33
10/07/02	g	44,956	---	2,522,394	1,812	---	160	0.00	6.89	<1.0	0.000	0.31	130.0	0.00	2.33
11/07/02	h	0	---	2,527,925	5,531	---	250	0.01	6.89	<1.0	0.000	0.31	210.0	0.01	2.34
12/05/02		479	28.7	2,528,113	188	0.0	220	0.00	6.89	<1.0	0.000	0.31	110.0	0.00	2.34
01/03/03		1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	<1.0	0.000	0.31	140.0	0.07	2.40
02/13/03		2,156	0.2	2,692,710	101,351	1.7	<250	0.07	7.07	<2.5	0.000	0.31	66.0	0.09	2.49
03/27/03		3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	<0.50	0.000	0.31	71.0	0.06	2.55
04/24/03		4,172	0.0	2,865,050	74,382	1.2	120	0.07	7.19	<0.50	0.000	0.31	56.0	0.04	2.59
05/30/03		4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	<5.0	0.000	0.31	<50	0.00	2.59
06/19/03		4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	<5.0	0.000	0.31	46.0	0.01	2.59
07/24/03		5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	<0.50	0.000	0.31	41.0	0.08	2.68
08/28/03		6,165	0.8	3,040,900	68,538	1.4	<50	0.01	7.39	<0.50	0.000	0.31	30.0	0.02	2.70
09/25/03		6,838	0.0	3,095,020	54,120	1.3	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.01	2.71
10/23/03		7,512	0.0	3,149,200	177,215	1.1	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.04	2.75
11/20/03		8,182	0.3	3,204,612	55,412	1.4	<50	0.00	7.39	<0.50	0.000	0.31	22.0	0.01	2.76
12/18/03		8,851	1.1	3,264,487	30,531	1.5	52	0.01	7.40	<0.50	0.000	0.31	27.0	0.00	2.77
01/08/04		9,356	1.0	3,312,485	47,998	1.6	--	0.00	7.40	--	0.000	0.31	--	0.00	2.77
01/22/04		9,690	0.7	3,344,994	32,509	1.6	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.77
02/19/04		10,357	1.6	3,410,457	32,947	1.7	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.00	2.78
03/18/04		11,030	0.0	3,480,800	70,343	1.7	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.02	2.80

Table 5

Groundwater Extraction System Performance Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue

San Lorenzo, California

Influent Sample Date	Foot note	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)
04/07/04		11,509	0.2	3,524,179	43,379	1.5	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.01	2.81
04/22/04		11,869	0.0	3,552,144	27,965	1.3	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.81
05/19/04		12,522	0.0	3,607,015	54,871	1.4	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.82
06/16/04		13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	<0.50	0.000	0.31	20.0	0.01	2.83
07/22/04		14,050	1.4	3,736,245	71,651	1.4	<50	0.02	7.43	<0.50	0.000	0.31	15.0	0.01	2.84
08/26/04		14,890	0.0	3,803,030	66,785	1.3	<50	0.00	7.43	<0.50	0.000	0.31	23.0	0.01	2.85
09/16/04		15,394	0.0	3,832,211	29,181	1.0	<50	0.00	7.43	<0.50	0.000	0.31	18.0	0.00	2.85
10/21/04		16,235	0.0	3,891,299	59,088	1.2	<50	0.00	7.43	<0.50	0.000	0.31	17.0	0.01	2.86
11/18/04		16,908	0.0	3,942,990	51,691	1.3	<50	0.00	7.43	<0.50	0.000	0.31	14.0	0.01	2.87
12/16/04		17,579	0.2	3,994,185	51,195	1.3	<50	0.00	7.43	<0.50	0.000	0.31	15.0	0.01	2.88
01/19/05		**18,396**	**0.0**	**4,063,710**	**69,525**	**1.4**	**84**	**0.02**	**7.46**	**<0.50**	**0.000**	**0.31**	**19**	**0.01**	**2.89**
02/16/05	**i**	**19,068**	**0.0**	**4,117,922**	**54,212**	**1.3**	**<50 [k]**	**0.02**	**7.48**	**<0.50**	**0.000**	**0.31**	**29**	**0.01**	**2.90**
03/16/05	**i**	**19,741**	**0.0**	**4,175,364**	**57,442**	**1.4**	**56 [k]**	**0.00**	**7.48**	**<0.50**	**0.000**	**0.31**	**21**	**0.01**	**2.91**

REPORTING PERIOD:	**12/16/2004 to 03/16/2005**			
CUMULATIVE GALLONS EXTRACTED:	**8,171,514**			
PERIOD GALLONS EXTRACTED:	**181,179**			
TOTAL POUNDS REMOVED:		**7.48**	**0.31**	**2.91**
TOTAL GALLONS REMOVED:		**1.23**	**0.04**	**0.47**
AVERAGE PERIOD FLOW RATE (gpm):	**1.40**			
PERIOD PERCENT OPERATIONAL:	**100.0%**			
PERIOD POUNDS REMOVED:		**0.043**	**0.000**	**0.033**
PERIOD GALLONS REMOVED:		**0.007**	**0.000**	**0.005**

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

SYMBOLS AND ABBREVIATIONS:

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

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

Footnotes:
a. Totalizer broken; volume estimated from hourmeter and flow rate.
b. Volume estimated from hourmeter and instantaneous flow rate.
c. Sewer totalizer replaced July 28, 1994; volume discharged estimated at 40,320 gallons for the period between July 14 and 28, 1994 at 2.0 gpm.
d. GWE system temporarily shut down August 21, 1995.
e. GWE system restarted June 5, 2000.
f. System down during construction to main sewer line from approx. 6/25/01; restarted 8/14/01.
g. Hour meter reading not functioning.
h. Hour meter replaced.
i. Quantity of unknown hydrocarbons in sample based on gasoline.

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 RM and their previous consultants. URS has not verified the accuracy of this information.

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

Table 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	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	0.52	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	370	14	0.34	14	2.4	---	---	---	---	---
03/17/92	160	18	0.32	0.56	1.6	---	---	---	---	---
04/15/92	200	11	<0.30	7.3	0.77	---	---	---	---	---
05/14/92	45	1.4	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	97	25	<0.50	8.5	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	96	7.7	13	0.56	9.7	---	---	---	---	---
01/18/93	100	13	6.6	1.1	11	---	---	---	---	---
02/22/93	480	36	29	4.9	96	---	---	---	---	---
03/15/93	310	29	14	4.9	55	---	---	---	---	---
04/09/93	140	11	2.8	2.6	17	---	---	---	---	---
05/13/93	530	27	12	18	96	---	---	---	---	---
06/04/93	170	5.2	1.6	2.5	23	---	---	---	---	---
07/20/93	200	12	0.91	8.2	29	---	---	---	---	---
08/16/93	150	4.9	0.63	2.9	15	---	---	---	---	---
09/13/93	80	2.2	<0.50	<0.50	4.8	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	73	3.5	<0.50	1.9	8.4	---	---	---	---	---
01/18/94	60	3.1	<0.50	3.2	4.3	---	---	---	---	---
02/17/94	<50	2.5	<0.50	2.1	3.1	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	110	7.8	<1.0	9.6	<1.0	---	---	---	---	---
05/13/94	230	8.3	<0.50	14	6	---	---	---	---	---
06/14/94	230	12	<0.50	16	1.5	---	---	---	---	---
07/14/94	270	6.9	<0.50	15	1.9	---	---	---	---	---
08/18/94	<50	1.8	<0.50	1.5	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	0.66	<0.50	2.6	<0.50	---	---	---	---	---
12/05/94	470	32	0.59	29	6.2	---	---	---	---	---
01/04/95	<50	1.1	<0.50	1.4	<0.50	---	---	---	---	---
02/06/95	100	2.4	1.1	1.2	2.8	---	---	---	---	---

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.)										
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	290	6.6	<0.50	10	1.7	---	---	---	---	---
05/02/95	240	7.1	<0.50	3.2	1.6	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	270	2.4	<0.50	7.6	1	---	---	---	---	---
08/21/95	230	1.8	<0.50	1.6	0.92	---	---	---	---	---
06/05/00	700	7.24	<1.0	2.11	<1.0	361	---	---	---	---
07/08/00	133	5.09	0.598	<0.50	<0.50	272	---	---	---	---
08/10/00	144	2.8	<0.50	1.04	<0.50	126	---	---	---	---
09/08/00	261	2.74	0.826	0.626	<0.50	120	---	---	---	---
10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5	---	---	---	---
11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6	---	---	---	---
12/05/00	167	0.775	<0.50	<0.50	<0.50	104	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8	---	---	---	---
02/06/01	203	0.572	<0.50	0.513	<0.50	80.5	---	---	---	---
03/08/01	219	<0.50	6.16	1.21	0.682	81	---	---	---	---
04/18/01	74.5	<0.50	<0.50	<0.50	<0.50	97.5	---	---	---	---
05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2	---	---	---	---
06/09/01	64	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
07/05/01	100	<0.50	2.5	<0.50	<0.50	430	---	---	---	---
08/14/01	290	2.2	3.5	<1.0	<1.0	870	---	---	---	---
09/05/01	<100	<1.0	<1.0	<1.0	<1.0	340	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	150	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	92	---	---	---	---
12/11/01	65	<0.50	0.58	<0.50	<0.50	83	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	140	---	---	---	---
02/05/02	100	<0.50	<0.50	<0.50	<0.50	190	---	---	---	---
03/05/02	150	<1.2	<1.2	<1.2	<1.2	350	---	---	---	---
04/08/02	400	9.6	<1.0	1.4	<1.0	260	---	---	---	---
05/16/02	310	<1.0	<1.0	<1.0	<1.0	330	---	---	---	---
10/07/02	160	4.1	<1.0	<1.0	<1.0	130	---	---	---	---
11/07/02	250	<0.50	10	0.7	0.77	210	---	---	---	---
12/05/02	220	<1.0	<1.0	<1.0	<1.0	110	---	---	---	---
01/03/03	170	<1.0	<1.0	<1.0	<1.0	140	---	---	---	---
2/13/03[1]	<250	<2.5	<2.5	<2.5	<2.5	66	---	---	---	---
3/27/03[1]	110	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
4/24/03[1]	120	<0.50	<0.50	<0.50	<0.50	56	---	---	---	---
5/30/03[1]	20	<0.50	<0.50	<0.50	<0.50	<50	---	---	---	---
06/19/03	160	<0.50	<0.50	<0.50	<0.50	46	---	---	---	---
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47)[2]	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40)[2]	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28)[2]	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22	---	---	---	---
12/18/03	52	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---

Table 6
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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.)										
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
01/19/05	**84**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**19**	**---**	**---**	**---**	**---**
02/16/05	**<50 [3]**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**29**	**---**	**---**	**---**	**---**
03/16/05	**56 [3]**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**21**	**---**	**---**	**---**	**---**
MID-1 (between primary and secondary carbons)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	---	---	---	---	---	---	---	---	---	---
08/18/92	---	---	---	---	---	---	---	---	---	---
09/15/92	---	---	---	---	---	---	---	---	---	---
10/16/92	---	---	---	---	---	---	---	---	---	---
11/18/92	---	---	---	---	---	---	---	---	---	---
12/17/92	---	---	---	---	---	---	---	---	---	---
01/18/93	---	---	---	---	---	---	---	---	---	---
02/22/93	---	---	---	---	---	---	---	---	---	---
03/15/93	---	---	---	---	---	---	---	---	---	---
04/09/93	---	---	---	---	---	---	---	---	---	---
05/13/93	---	---	---	---	---	---	---	---	---	---
06/04/93	---	---	---	---	---	---	---	---	---	---
07/14/94	ND	ND	ND	ND	ND	---	---	---	---	---
08/17/94	---	---	---	---	---	---	---	---	---	---
09/12/94	---	---	---	---	---	---	---	---	---	---
10/18/94	---	---	---	---	---	---	---	---	---	---
11/05/94	---	---	---	---	---	---	---	---	---	---
12/05/94	---	---	---	---	---	---	---	---	---	---
01/04/95	---	---	---	---	---	---	---	---	---	---
02/06/95	---	---	---	---	---	---	---	---	---	---
03/02/95	---	---	---	---	---	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

Table 6
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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.)										
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66	---	---	---	---
2/13/03[1]	<250	<2.5	<2.5	<2.5	<2.5	130	---	---	---	---
3/27/03[1]	<250	<2.5	<2.5	<2.5	<2.5	120	---	---	---	---
4/24/03[1]	280	<2.5	<2.5	<2.5	<2.5	110	---	---	---	---
5/30/03[1]	<250	<2.5	<2.5	<2.5	<2.5	140	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (1.3)[2]	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9	---	---	---	---
01/19/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.2**	---	---	---	---
02/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.9**	---	---	---	---
03/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.5**	---	---	---	---
MID-2 (between secondary and tertiary carbons)										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	---	---	---	---	---	---	---	---	---	---
09/08/00	---	---	---	---	---	---	---	---	---	---
10/10/00	---	---	---	---	---	---	---	---	---	---
11/07/00	---	---	---	---	---	---	---	---	---	---

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San Lorenzo, California

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MID-2 (between secondary and tertiary carbons) continued										
12/05/00	---	---	---	---	---	---	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
2/13/03[1]	<50	<0.50	<0.50	<0.50	<0.50	1	---	---	---	---
3/27/03[1]	<50	<0.50	<0.50	<0.50	<0.50	0.94	---	---	---	---
4/24/03[1]	<50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
5/30/03[1]	<50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)[2]	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/18/04	86	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/19/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	---	---	---	---
02/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	---	---	---	---
03/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	---	---	---	---
EFFL (effluent to sewer)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---

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 (cont)										
11/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/09/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/04/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/20/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/16/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/21/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	7.19	---
06/12/00	<50	---	---	---	---	---	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	---

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.)										
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.25	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.24	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	55	<10	6.89	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50	---
2/13/03[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12
3/27/03[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08
4/24/03[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23
5/30/03[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)[2]	<20	<10	6.82	3.45
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	0.94
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20

Table 6
Treatment System Analytical Data
ARCO Service Station #0608
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San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (cont.)										
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<10**	**6.78**	**1.26**
02/16/05	**<50** [3]	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<20**	**6.61**	**2.01**
03/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<20**	**6.48**	**0.75**

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

FOOTNOTES:
1. Analyzed with EPA Method 8260
2. MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).
3. Quantity of unknown hydrocarbon(s) in samples based on gasoline.

NOTES:
GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.
The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this data.

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

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists second 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 that do not have submerged screens are then sampled without purging. Wells that have submerged screens are purged of approximately three casing volumes of water (or to dryness) 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 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.

WELL GAUGING DATA

Project # 050310-551 Date 3/10/05 Client Arco 0608

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					9.90	13.58		
	MW-8	3					8.47	20.90		
	MW-9	3					8.17	18.18		
	MW10	3					7.97	22.40		
	MW-11	3					8.87	18.80		
	E-1A (MW-12)	6					14.60	———		Est
G	MW-14	3					7.32	23.05		
	MW-15	3					8.50	23.20		
	MW-16	3					9.03	23.10		
G	MW-18	3					8.35	21.45		
G	MW-21	3					8.10	21.50		
	MW-22	3					8.65	21.45		
G	MW-23	3					9.63	21.65		
	MW-25	2					9.45	18.50		
G	MW-26	2					9.80	19.45		Stripped tabs
	6/24	—	UNABLE TO GET ACCESS				———	———		
	17372 VM	—					———	———		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-551	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.56	Depth to Water: 9.90
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.

2.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 7.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1258	71.5	7.6	788	2.5	clear
1301 ~~1259~~	72.0	7.7	789	5.0	"
1304 ~~1301~~	72.1	7.7	811	7.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 1308 Sampling Date: 3/10/05

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

Analyzed for: (TPH-G) (BTEX) MTBE DRO Other: OXY'S, EDB, 1,2-DCA & ETHANOL VIA 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
Well I.D.: MW-8	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 18.18	Depth to Water: 8.17
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.

3.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 11.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1245	69.1	7.5	852	4	turbid
1246	68.9	7.4	852	8	clearing
1247	68.7	7.4	854	12	"

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

Sampling Time: 1250 Sampling Date: 3/10/05

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: OXY'S, EDB, 1,2-DCA & ETHANOL MA 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.0	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
Well I.D.: MW-9	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 18.18	Depth to Water: 8.17
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.

3.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 11.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1154	66.2	7.7	854	4	moderate
1155	66.0	7.7	854	8	clearing
1156	66.0	7.7	854	12	"

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

Sampling Time: 1200 Sampling Date: 3/10/05

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, EDB, 1,2-DCA & ETHANOL VIA 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
Well I.D.: MW-10	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 22.40	Depth to Water: ~~7.79~~ 7.97
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.

5.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 15.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1119	67.3	7.5	734	5.3	PURGING
1120	66.5	7.4	737	10.6	CLEARING
1121	66.5	7.3	738	16.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 16

Sampling Time: 1125 Sampling Date: 3/10/05

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: OXY's, EDB, 1,2-DCA & ETHANOL VIA 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
Well I.D.: MW-11	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 18.80	Depth to Water: 8.87
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.

3.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 11.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1137	66.8	7.7	913	4	TURB.
1138	66.2	7.7	915	8	clearing
1139	66.0	7.7	917	12	"

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

Sampling Time: 1142 Sampling Date: 3/10/05

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: OXY'S, EDB, 1,2-DCA & ETHANOL VIA 8260

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 #: 050310-SS1	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
Well I.D.: E-1A	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth: ———	Depth to Water: 14.60
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	Specified Volumes	=	Calculated Volume
punt	X	3	=	____ Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1315	72.6	8.0	871	———	clear

Did well dewater? ~~Yes~~ ~~No~~ Gallons actually evacuated: ———

Sampling Time: 1315 Sampling Date: 3/10/05

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, EDB, 1,2-DCA & ETHANOL AM 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	6.6 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
Well I.D.: MW-15	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 23.20	Depth to Water: 8.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

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

5.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 16.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1055	66.3	7.7	834	5.5	clear
1056	65.7	7.7	841	11.0	"
1057	65.4	7.7	846	16.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 16.5

Sampling Time: 1100 Sampling Date: 3/10/05

Sample I.D.: MW-15 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY's, EDB, 1,2-DCA & ETHANOL MA 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.7	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
Well I.D.: MW-16	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 23.10	Depth to Water: 9.03
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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1040	68.2	7.2	699	5.2	clear
1041	67.5	7.1	663	10.4	"
1042	67.6	7.0	672	15.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 15.6

Sampling Time: 1046 Sampling Date: 3/10/05

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: OXY's, EDB, 1,2-DCA & ETHANOL MTBE 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.9	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: SCOTT	Date: 3/10/05
Well I.D.: MW-22	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 21.45 ~~8.65~~	Depth to Water: ~~21.45~~ 8.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

4.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 14 1 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1012	66.1	7.3	848	5	TURB HI
1013	65.9	7.4	830	10	clearing
1014	65.9	7.4	825	15	"

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

Sampling Time: 1018 Sampling Date: 3/10/05

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S, EDB, 1,2-DCA & ETHANOL VIA 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.3	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: SOOCH	Date: 3/10/05
Well I.D.: MW-25	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 18.50	Depth to Water: 9.45
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.

1.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 4.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1325	66.3	7.6	910	1.5	clear
1326	66.2	7.7	914	3.0	TURBID
1327	65.5	7.7	913	4.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Time: 1330 Sampling Date: 3/10/05

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: OXY'S, EDB, 1,2-DCA & ETHANOL VIA 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.0 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: SOOCH	Date: 3/10/05
Well I.D.: 6621	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	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 3 (Specified Volumes) = _____ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
950	NO ONE HOME				
1106	spoken w/ tenant. says he's renting & that we need to				
	schedule w/ owner.				

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Pace Sequoia Other _____	
Analyzed for: GRO BTEX MTBE DRO		Other: OXY'S, EDB, 1,2-DCA & ETHANOL VIA 8260	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050310-SS1	Station # ARCO 0608
Sampler: Scott	Date: 3/10/05
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	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: Sp160T

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 ~~3~~ (Specified Volumes) = _____ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
944	NO ONE HOME.				
1350	84.0	8.0	859	~~—~~	clear

Did well dewater? ~~Yes~~ No Gallons actually evacuated: ~~—~~

Sampling Time: 1350 Sampling Date: 3/10/05

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: oxy's, EDB, 1,2-DCA & ETHANOL MTBE 8260

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

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:

608

Station #

17601 Hesperian Blvd San Lorenzo

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

added equip. rinse water _____

any other adjustments _____

TOTAL GALS. RECOVERED 115

loaded onto BTS vehicle # 54

BTS event # 050310-551

time 1400

date 3/10/05

signature _____

* *

REC'D AT 815

time 1430

date 3/10/05

unloaded by signature _____

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 total petroleum hydrocarbons calculated as gasoline (TPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX), and fuel oxygenates using EPA Methods 8015 (modified), 8021B, and 8260B, respectively. Beginning in the fourth quarter 2002, all groundwater samples were analyzed for the presence of TPH-g, BTEX, and MTBE by EPA Method 8260B. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports, chain-of-custody record, and field data sheets are presented in this attachment. The analytical data provided by the laboratory approved by RM have been reviewed and verified by that laboratory.

Sequoia
Analytical

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

25 March, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOC0333

Enclosed are the results of analyses for samples received by the laboratory on 03/11/05 18:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	MOC0333-01	Water	03/10/05 13:08	03/11/05 18:25
MW-8	MOC0333-02	Water	03/10/05 12:50	03/11/05 18:25
MW-9	MOC0333-03	Water	03/10/05 12:00	03/11/05 18:25
MW-10	MOC0333-04	Water	03/10/05 11:25	03/11/05 18:25
MW-11	MOC0333-05	Water	03/10/05 11:42	03/11/05 18:25
MW-15	MOC0333-06	Water	03/10/05 11:00	03/11/05 18:25
MW-16	MOC0333-07	Water	03/10/05 10:46	03/11/05 18:25
MW-22	MOC0333-08	Water	03/10/05 10:18	03/11/05 18:25
MW-25	MOC0333-09	Water	03/10/05 13:30	03/11/05 18:25
E-1A	MOC0333-10	Water	03/10/05 13:15	03/11/05 18:25
17372 VM	MOC0333-11	Water	03/10/05 13:50	03/11/05 18:25
TB-608-03102005	MOC0333-12	Water	03/10/05 00:00	03/11/05 18:25

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

These samples were received with intact custody seals.

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE FUEL HYDROCARBONS BY GC/MS

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MOC0333-01) Water Sampled: 03/10/05 13:08 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C16033	03/16/05	03/16/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*105 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
MW-8 (MOC0333-02) Water Sampled: 03/10/05 12:50 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C16033	03/16/05	03/16/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*112 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
MW-9 (MOC0333-03) Water Sampled: 03/10/05 12:00 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C16033	03/16/05	03/16/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*114 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
MW-10 (MOC0333-04) Water Sampled: 03/10/05 11:25 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	**280**	100	ug/l	1	5C16033	03/16/05	03/16/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*110 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
MW-11 (MOC0333-05) Water Sampled: 03/10/05 11:42 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C16033	03/16/05	03/17/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*112 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE FUEL HYDROCARBONS BY GC/MS

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-15 (MOC0333-06) Water Sampled: 03/10/05 11:00 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C16033	03/16/05	03/17/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*109 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
MW-16 (MOC0333-07) Water Sampled: 03/10/05 10:46 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C16033	03/16/05	03/17/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*112 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
MW-22 (MOC0333-08) Water Sampled: 03/10/05 10:18 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C16033	03/16/05	03/17/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*113 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
MW-25 (MOC0333-09) Water Sampled: 03/10/05 13:30 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C16033	03/16/05	03/17/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*112 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
E-1A (MOC0333-10) Water Sampled: 03/10/05 13:15 Received: 03/11/05 18:25									
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C18010	03/18/05	03/18/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*110 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE FUEL HYDROCARBONS BY GC/MS

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
17372 VM (MOC0333-11) Water	**Sampled: 03/10/05 13:50**	**Received: 03/11/05 18:25**							
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l	1	5C17030	03/17/05	03/18/05	TPH by GC/MS	
Surrogate: Dibromofluoromethane		*107 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*80-120*	"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MOC0333-01) Water Sampled: 03/10/05 13:08 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/16/05 18:12	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	**3.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	ND	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	PE
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
MW-8 (MOC0333-02) Water Sampled: 03/10/05 12:50 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/16/05 22:33	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	**1.4**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	ND	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	PE
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number: G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MOC0333-03) Water Sampled: 03/10/05 12:00 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/16/05 23:02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	ND	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	PE
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*80-120*	"	"	"	"	
MW-10 (MOC0333-04) Water Sampled: 03/10/05 11:25 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/16/05 23:31	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	**86**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	**2.2**	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*80-120*	"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number: G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MOC0333-04RE1) Water Sampled: 03/10/05 11:25 Received: 03/11/05 18:25									
tert-Butanol (TBA)	**50**	10	ug/l	1	5C20002	03/20/05	03/20/05 18:44	EPA 8260B	
Surrogate: Dibromofluoromethane		*115 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*80-120*		"	"	"	"	
MW-11 (MOC0333-05) Water Sampled: 03/10/05 11:42 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/17/05 00:00	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	ND	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	PE
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
MW-15 (MOC0333-06) Water Sampled: 03/10/05 11:00 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/17/05 00:29	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	**5.4**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	ND	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	PE
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	

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

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-15 (MOC0333-06) Water Sampled: 03/10/05 11:00 Received: 03/11/05 18:25									
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*5C16033*	*03/16/05*	*03/17/05 00:29*	*EPA 8260B*	
MW-16 (MOC0333-07) Water Sampled: 03/10/05 10:46 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/17/05 01:57	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	ND	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	PE
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
MW-22 (MOC0333-08) Water Sampled: 03/10/05 10:18 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/17/05 02:26	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	ND	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	PE
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-25 (MOC0333-09) Water Sampled: 03/10/05 13:30 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C16033	03/16/05	03/17/05 02:55	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	**7.4**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	**2.3**	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	PE
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
E-1A (MOC0333-10) Water Sampled: 03/10/05 13:15 Received: 03/11/05 18:25									
Benzene	ND	0.50	ug/l	1	5C18010	03/18/05	03/18/05 16:03	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	**22**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	**0.95**	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
17372 VM (MOC0333-11) Water	**Sampled: 03/10/05 13:50**		**Received: 03/11/05 18:25**						
Benzene	ND	0.50	ug/l	1	5C17030	03/17/05	03/18/05 00:22	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes, Total	ND	4.0	"	"	"	"	"	"	
Di-isopropyl Ether (DIPE)	ND	0.50	"	"	"	"	"	"	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"	"	"	"	"	"	
tert-Amyl Methyl Ether (TAME)	ND	0.50	"	"	"	"	"	"	
tert-Butanol (TBA)	ND	10	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE FUEL HYDROCARBONS BY GC/MS - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C16033 - EPA 5030B GCMS / TPH by GC/MS										
Blank (5C16033-BLK1)				Prepared & Analyzed: 03/16/05						
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*27.3*		"	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		"	*25.0*		*105*	*80-120*			
Laboratory Control Sample (5C16033-BS2)				Prepared & Analyzed: 03/16/05						
Volatile Fuel Hydrocarbons (C4-C12)	425	100	ug/l	500		85	65-125			
Surrogate: Dibromofluoromethane	*28.1*		"	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.8*		"	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		"	*25.0*		*106*	*80-120*			
Matrix Spike (5C16033-MS1)	**Source: MOC0333-01**			Prepared & Analyzed: 03/16/05						
Volatile Fuel Hydrocarbons (C4-C12)	1310	100	ug/l	1120	ND	117	60-140			
Surrogate: Dibromofluoromethane	*27.3*		"	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		"	*25.0*		*108*	*80-120*			
Matrix Spike Dup (5C16033-MSD1)	**Source: MOC0333-01**			Prepared & Analyzed: 03/16/05						
Volatile Fuel Hydrocarbons (C4-C12)	1170	100	ug/l	1120	ND	104	60-140	11	20	
Surrogate: Dibromofluoromethane	*27.6*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.6*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.5*		"	*25.0*		*106*	*80-120*			
Batch 5C17030 - EPA 5030B GCMS / TPH by GC/MS										
Blank (5C17030-BLK1)				Prepared & Analyzed: 03/17/05						
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.2*		"	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		"	*25.0*		*106*	*80-120*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE FUEL HYDROCARBONS BY GC/MS - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C17030 - EPA 5030B GCMS / TPH by GC/MS										
Laboratory Control Sample (5C17030-BS2)				Prepared & Analyzed: 03/17/05						
Volatile Fuel Hydrocarbons (C4-C12)	443	100	ug/l	500		89	65-125			
Surrogate: Dibromofluoromethane	*27.5*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.6*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.8*		"	*25.0*		*107*	*80-120*			
Matrix Spike (5C17030-MS1)	**Source: IOC1005-02**			Prepared & Analyzed: 03/17/05						
Volatile Fuel Hydrocarbons (C4-C12)	1520	100	ug/l	1120	280	111	60-140			
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.3*		"	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		"	*25.0*		*108*	*80-120*			
Matrix Spike Dup (5C17030-MSD1)	**Source: IOC1005-02**			Prepared & Analyzed: 03/17/05						
Volatile Fuel Hydrocarbons (C4-C12)	1470	100	ug/l	1120	280	106	60-140	3	20	
Surrogate: Dibromofluoromethane	*27.3*		"	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.3*		"	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		"	*25.0*		*108*	*80-120*			
Batch 5C18010 - EPA 5030B GCMS / TPH by GC/MS										
Blank (5C18010-BLK1)				Prepared & Analyzed: 03/18/05						
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.4*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		"	*25.0*		*105*	*80-120*			
Laboratory Control Sample (5C18010-BS2)				Prepared & Analyzed: 03/18/05						
Volatile Fuel Hydrocarbons (C4-C12)	457	100	ug/l	500		91	65-125			LO
Surrogate: Dibromofluoromethane	*26.6*		"	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		"	*25.0*		*106*	*80-120*			

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Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C16033 - EPA 5030B GCMS / EPA 8260B										
Blank (5C16033-BLK1)				Prepared & Analyzed: 03/16/05						
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes, Total	ND	4.0	"							
Di-isopropyl Ether (DIPE)	ND	0.50	"							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"							
tert-Amyl Methyl Ether (TAME)	ND	0.50	"							
tert-Butanol (TBA)	ND	10	"							
Ethanol	ND	100	"							
Surrogate: Dibromofluoromethane	*27.3*		"	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		"	*25.0*		*105*	*80-120*			
Laboratory Control Sample (5C16033-BS1)				Prepared & Analyzed: 03/16/05						
Benzene	20.1	0.50	ug/l	25.0		80	70-120			
1,2-Dibromoethane (EDB)	21.2	0.50	"	25.0		85	75-125			
1,2-Dichloroethane	22.4	0.50	"	25.0		90	60-150			
Ethylbenzene	22.0	0.50	"	25.0		88	80-120			
Methyl-tert-butyl Ether (MTBE)	22.1	0.50	"	25.0		88	55-145			
Toluene	20.5	0.50	"	25.0		82	75-120			
Xylenes, Total	63.7	4.0	"	75.0		85	75-125			
Di-isopropyl Ether (DIPE)	22.3	0.50	"	25.0		89	65-135			
Ethyl tert-Butyl Ether (ETBE)	22.4	0.50	"	25.0		90	60-140			
tert-Amyl Methyl Ether (TAME)	23.0	0.50	"	25.0		92	60-140			
tert-Butanol (TBA)	119	10	"	125		95	70-140			
Ethanol	221	100	"	250		88	35-165			
Surrogate: Dibromofluoromethane	*27.3*		"	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.6*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		"	*25.0*		*108*	*80-120*			

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C16033 - EPA 5030B GCMS / EPA 8260B										
Matrix Spike (5C16033-MS1)	**Source: MOC0333-01**			Prepared & Analyzed: 03/16/05						
Benzene	25.4	0.50	ug/l	25.0	ND	102	70-120			
1,2-Dibromoethane (EDB)	26.5	0.50	"	25.0	ND	106	70-130			
1,2-Dichloroethane	28.3	0.50	"	25.0	ND	113	60-150			
Ethylbenzene	26.8	0.50	"	25.0	ND	107	70-130			
Methyl-tert-butyl Ether (MTBE)	32.0	0.50	"	25.0	3.3	115	50-155			
Toluene	25.2	0.50	"	25.0	ND	101	70-120			
Xylenes, Total	76.8	4.0	"	75.0	ND	102	65-135			
Di-isopropyl Ether (DIPE)	27.1	0.50	"	25.0	ND	108	65-140			
Ethyl tert-Butyl Ether (ETBE)	27.4	0.50	"	25.0	ND	110	60-140			
tert-Amyl Methyl Ether (TAME)	28.1	0.50	"	25.0	ND	112	55-145			
tert-Butanol (TBA)	136	10	"	125	ND	109	65-145			
Ethanol	277	100	"	250	ND	111	35-165			
Surrogate: Dibromofluoromethane	*27.3*		"	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		"	*25.0*		*108*	*80-120*			
Matrix Spike Dup (5C16033-MSD1)	**Source: MOC0333-01**			Prepared & Analyzed: 03/16/05						
Benzene	22.4	0.50	ug/l	25.0	ND	90	70-120	13	20	
1,2-Dibromoethane (EDB)	23.6	0.50	"	25.0	ND	94	70-130	12	25	
1,2-Dichloroethane	25.0	0.50	"	25.0	ND	100	60-150	12	20	
Ethylbenzene	24.0	0.50	"	25.0	ND	96	70-130	11	20	
Methyl-tert-butyl Ether (MTBE)	29.3	0.50	"	25.0	3.3	104	50-155	9	25	
Toluene	22.5	0.50	"	25.0	ND	90	70-120	11	20	
Xylenes, Total	69.1	4.0	"	75.0	ND	92	65-135	11	20	
Di-isopropyl Ether (DIPE)	23.9	0.50	"	25.0	ND	96	65-140	13	25	
Ethyl tert-Butyl Ether (ETBE)	24.3	0.50	"	25.0	ND	97	60-140	12	25	
tert-Amyl Methyl Ether (TAME)	25.5	0.50	"	25.0	ND	102	55-145	10	30	
tert-Butanol (TBA)	141	10	"	125	ND	113	65-145	4	25	
Ethanol	306	100	"	250	ND	122	35-165	10	30	
Surrogate: Dibromofluoromethane	*27.6*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.6*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.5*		"	*25.0*		*106*	*80-120*			

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C17030 - EPA 5030B GCMS / EPA 8260B										
Blank (5C17030-BLK1)				Prepared & Analyzed: 03/17/05						
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes, Total	ND	4.0	"							
Di-isopropyl Ether (DIPE)	ND	0.50	"							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"							
tert-Amyl Methyl Ether (TAME)	ND	0.50	"							
tert-Butanol (TBA)	ND	10	"							
Ethanol	ND	100	"							
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.2*		"	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		"	*25.0*		*106*	*80-120*			
Laboratory Control Sample (5C17030-BS1)				Prepared & Analyzed: 03/17/05						
Benzene	22.0	0.50	ug/l	25.0		88	70-120			
1,2-Dibromoethane (EDB)	23.1	0.50	"	25.0		92	75-125			
1,2-Dichloroethane	24.6	0.50	"	25.0		98	60-150			
Ethylbenzene	23.6	0.50	"	25.0		94	80-120			
Methyl-tert-butyl Ether (MTBE)	24.0	0.50	"	25.0		96	55-145			LO
Toluene	22.2	0.50	"	25.0		89	75-120			
Xylenes, Total	67.8	4.0	"	75.0		90	75-125			
Di-isopropyl Ether (DIPE)	23.6	0.50	"	25.0		94	65-135			
Ethyl tert-Butyl Ether (ETBE)	24.0	0.50	"	25.0		96	60-140			
tert-Amyl Methyl Ether (TAME)	24.7	0.50	"	25.0		99	60-140			
tert-Butanol (TBA)	121	10	"	125		97	70-140			
Ethanol	220	100	"	250		88	35-165			
Surrogate: Dibromofluoromethane	*27.8*		"	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*26.5*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		"	*25.0*		*109*	*80-120*			

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C17030 - EPA 5030B GCMS / EPA 8260B										
Matrix Spike (5C17030-MS1)	**Source: IOC1005-02**			Prepared & Analyzed: 03/17/05						
Benzene	56.8	0.50	ug/l	25.0	39	71	70-120			
1,2-Dibromoethane (EDB)	24.4	0.50	"	25.0	ND	98	70-130			
1,2-Dichloroethane	30.7	0.50	"	25.0	4.2	106	60-150			
Ethylbenzene	39.2	0.50	"	25.0	17	89	70-130			
Toluene	30.6	0.50	"	25.0	7.9	91	70-120			
Xylenes, Total	90.3	4.0	"	75.0	22	91	65-135			
Di-isopropyl Ether (DIPE)	25.9	0.50	"	25.0	0.28	102	65-140			
Ethyl tert-Butyl Ether (ETBE)	26.2	0.50	"	25.0	ND	105	60-140			
tert-Amyl Methyl Ether (TAME)	27.1	0.50	"	25.0	ND	108	55-145			
tert-Butanol (TBA)	131	10	"	125	ND	105	65-145			
Ethanol	256	100	"	250	ND	102	35-165			
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.3*		"	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		"	*25.0*		*108*	*80-120*			
Matrix Spike Dup (5C17030-MSD1)	**Source: IOC1005-02**			Prepared & Analyzed: 03/17/05						
Benzene	57.6	0.50	ug/l	25.0	39	74	70-120	1	20	
1,2-Dibromoethane (EDB)	24.2	0.50	"	25.0	ND	97	70-130	0.8	25	
1,2-Dichloroethane	30.0	0.50	"	25.0	4.2	103	60-150	2	20	
Ethylbenzene	39.1	0.50	"	25.0	17	88	70-130	0.3	20	
Toluene	29.7	0.50	"	25.0	7.9	87	70-120	3	20	
Xylenes, Total	88.5	4.0	"	75.0	22	89	65-135	2	20	
Di-isopropyl Ether (DIPE)	25.2	0.50	"	25.0	0.28	100	65-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	25.5	0.50	"	25.0	ND	102	60-140	3	25	
tert-Amyl Methyl Ether (TAME)	26.5	0.50	"	25.0	ND	106	55-145	2	30	
tert-Butanol (TBA)	133	10	"	125	ND	106	65-145	2	25	
Ethanol	263	100	"	250	ND	105	35-165	3	30	
Surrogate: Dibromofluoromethane	*27.3*		"	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.3*		"	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		"	*25.0*		*108*	*80-120*			

Sequoia Analytical

885 Jarvis Drive
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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C18010 - EPA 5030B GCMS / EPA 8260B										
Blank (5C18010-BLK1)				Prepared & Analyzed: 03/18/05						
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes, Total	ND	4.0	"							
Di-isopropyl Ether (DIPE)	ND	0.50	"							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"							
tert-Amyl Methyl Ether (TAME)	ND	0.50	"							
tert-Butanol (TBA)	ND	10	"							
Ethanol	ND	100	"							
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.4*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		"	*25.0*		*105*	*80-120*			
Laboratory Control Sample (5C18010-BS1)				Prepared & Analyzed: 03/18/05						
Benzene	21.7	0.50	ug/l	25.0		87	70-120			
1,2-Dibromoethane (EDB)	26.4	0.50	"	25.0		106	75-125			
1,2-Dichloroethane	25.7	0.50	"	25.0		103	60-150			
Ethylbenzene	22.9	0.50	"	25.0		92	80-120			
Methyl-tert-butyl Ether (MTBE)	27.3	0.50	"	25.0		109	55-145			
Toluene	21.8	0.50	"	25.0		87	75-120			
Xylenes, Total	66.7	4.0	"	75.0		89	75-125			
Di-isopropyl Ether (DIPE)	23.6	0.50	"	25.0		94	65-135			
Ethyl tert-Butyl Ether (ETBE)	25.0	0.50	"	25.0		100	60-140			
tert-Amyl Methyl Ether (TAME)	27.1	0.50	"	25.0		108	60-140			
tert-Butanol (TBA)	121	10	"	125		97	70-140			
Ethanol	220	100	"	250		88	35-165			
Surrogate: Dibromofluoromethane	*27.3*		"	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.7*		"	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.5*		"	*25.0*		*110*	*80-120*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C18010 - EPA 5030B GCMS / EPA 8260B										
Matrix Spike (5C18010-MS1)	**Source: IOC1005-01**			Prepared & Analyzed: 03/18/05						
Benzene	66.9	0.50	ug/l	25.0	48	76	70-120			
1,2-Dibromoethane (EDB)	25.6	0.50	"	25.0	ND	102	70-130			
1,2-Dichloroethane	27.0	0.50	"	25.0	0.84	105	60-150			
Ethylbenzene	71.4	0.50	"	25.0	52	78	70-130			
Methyl-tert-butyl Ether (MTBE)	26.5	0.50	"	25.0	ND	106	50-155			
Toluene	36.2	0.50	"	25.0	14	89	70-120			
Xylenes, Total	199	4.0	"	75.0	150	65	65-135			
Di-isopropyl Ether (DIPE)	25.3	0.50	"	25.0	ND	101	65-140			
Ethyl tert-Butyl Ether (ETBE)	26.1	0.50	"	25.0	ND	104	60-140			
tert-Amyl Methyl Ether (TAME)	27.5	0.50	"	25.0	ND	110	55-145			
tert-Butanol (TBA)	131	10	"	125	ND	105	65-145			
Ethanol	262	100	"	250	ND	105	35-165			
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.8*		"	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		"	*25.0*		*108*	*80-120*			
Matrix Spike Dup (5C18010-MSD1)	**Source: IOC1005-01**			Prepared & Analyzed: 03/18/05						
Benzene	64.6	0.50	ug/l	25.0	48	66	70-120	3	20	LN,AY
1,2-Dibromoethane (EDB)	24.6	0.50	"	25.0	ND	98	70-130	4	25	
1,2-Dichloroethane	25.7	0.50	"	25.0	0.84	99	60-150	5	20	
Ethylbenzene	70.0	0.50	"	25.0	52	72	70-130	2	20	
Methyl-tert-butyl Ether (MTBE)	25.3	0.50	"	25.0	ND	101	50-155	5	25	
Toluene	34.9	0.50	"	25.0	14	84	70-120	4	20	
Xylenes, Total	194	4.0	"	75.0	150	59	65-135	3	20	LN,AY
Di-isopropyl Ether (DIPE)	24.3	0.50	"	25.0	ND	97	65-140	4	25	
Ethyl tert-Butyl Ether (ETBE)	25.2	0.50	"	25.0	ND	101	60-140	4	25	
tert-Amyl Methyl Ether (TAME)	26.4	0.50	"	25.0	ND	106	55-145	4	30	
tert-Butanol (TBA)	130	10	"	125	ND	104	65-145	0.8	25	
Ethanol	252	100	"	250	ND	101	35-165	4	30	
Surrogate: Dibromofluoromethane	*27.0*		"	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.4*		"	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		"	*25.0*		*109*	*80-120*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C20002 - EPA 5030B GCMS / EPA 8260B										
Blank (5C20002-BLK1)				Prepared & Analyzed: 03/20/05						
Benzene	ND	0.50	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes, Total	ND	4.0	"							
Di-isopropyl Ether (DIPE)	ND	0.50	"							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	"							
tert-Amyl Methyl Ether (TAME)	ND	0.50	"							
tert-Butanol (TBA)	ND	10	"							
Ethanol	ND	100	"							
Surrogate: Dibromofluoromethane	*27.7*		"	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*25.5*		"	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		"	*25.0*		*95*	*80-120*			
Laboratory Control Sample (5C20002-BS1)				Prepared & Analyzed: 03/20/05						
Benzene	25.7	0.50	ug/l	25.0		103	70-120			
1,2-Dibromoethane (EDB)	25.5	0.50	"	25.0		102	75-125			
1,2-Dichloroethane	29.5	0.50	"	25.0		118	60-150			
Ethylbenzene	25.0	0.50	"	25.0		100	80-120			
Methyl-tert-butyl Ether (MTBE)	27.2	0.50	"	25.0		109	55-145			LO
Toluene	24.8	0.50	"	25.0		99	75-120			
Xylenes, Total	72.8	4.0	"	75.0		97	75-125			
Di-isopropyl Ether (DIPE)	29.2	0.50	"	25.0		117	65-135			
Ethyl tert-Butyl Ether (ETBE)	27.3	0.50	"	25.0		109	60-140			
tert-Amyl Methyl Ether (TAME)	26.7	0.50	"	25.0		107	60-140			
tert-Butanol (TBA)	139	10	"	125		111	70-140			LO
Ethanol	264	100	"	250		106	35-165			
Surrogate: Dibromofluoromethane	*27.8*		"	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*25.7*		"	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.3*		"	*25.0*		*101*	*80-120*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B) - Quality Control

Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C20002 - EPA 5030B GCMS / EPA 8260B										
Matrix Spike (5C20002-MS1)	**Source: IOC1175-01**			Prepared & Analyzed: 03/20/05						
Benzene	26.4	0.50	ug/l	25.0	ND	106	70-120			
1,2-Dibromoethane (EDB)	24.4	0.50	"	25.0	ND	98	70-130			
1,2-Dichloroethane	29.3	0.50	"	25.0	ND	117	60-150			
Ethylbenzene	25.4	0.50	"	25.0	ND	102	70-130			
Toluene	25.3	0.50	"	25.0	ND	101	70-120			
Xylenes, Total	73.8	4.0	"	75.0	ND	98	65-135			
Di-isopropyl Ether (DIPE)	29.7	0.50	"	25.0	ND	119	65-140			
Ethyl tert-Butyl Ether (ETBE)	28.7	0.50	"	25.0	1.8	108	60-140			
tert-Amyl Methyl Ether (TAME)	65.0	0.50	"	25.0	46	76	55-145			
Ethanol	277	100	"	250	ND	111	35-165			
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*25.4*		"	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		"	*25.0*		*98*	*80-120*			
Matrix Spike Dup (5C20002-MSD1)	**Source: IOC1175-01**			Prepared & Analyzed: 03/20/05						
Benzene	25.8	0.50	ug/l	25.0	ND	103	70-120	2	20	
1,2-Dibromoethane (EDB)	25.7	0.50	"	25.0	ND	103	70-130	5	25	
1,2-Dichloroethane	29.0	0.50	"	25.0	ND	116	60-150	1	20	
Ethylbenzene	24.8	0.50	"	25.0	ND	99	70-130	2	20	
Toluene	24.9	0.50	"	25.0	ND	100	70-120	2	20	
Xylenes, Total	71.5	4.0	"	75.0	ND	95	65-135	3	20	
Di-isopropyl Ether (DIPE)	29.2	0.50	"	25.0	ND	117	65-140	2	25	
Ethyl tert-Butyl Ether (ETBE)	29.4	0.50	"	25.0	1.8	110	60-140	2	25	
tert-Amyl Methyl Ether (TAME)	67.9	0.50	"	25.0	46	88	55-145	4	30	
Ethanol	274	100	"	250	ND	110	35-165	1	30	
Surrogate: Dibromofluoromethane	*27.0*		"	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*25.6*		"	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		"	*25.0*		*98*	*80-120*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0333
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/25/05 13:03

Notes and Definitions

PE	Possible high bias due to CCV falling outside acceptance criteria
LO	MS and/or MSD result unavailable. Batch accept. based on LCS rec.
LN,AY	MS and/or MSD below acceptance limits. See Blank Spike(LCS). Matrix interference suspected.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name: Analytical for O&M and QMR Sampling
BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 608 > HistoricalBL
State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fra
Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: 830		Temp: 67°	
Off-site Time: 1400		Temp: 70°	
Sky Conditions: clear			
Meteorological Events: —			
Wind Speed: —		Direction: —	

Lab Name: Sequoia	BP/AR Facility No.: 608	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 17601 Hesperian Blvd., San Lorenzo, CA 945	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.673888 / -122.123	Oakland, CA 94612
Lab PM: Lisa Race	California Global ID No.: T0600100085	Consultant/Contractor Project No.: 38487015
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G0C24-0005	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3280 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 03 - Operation and Maintenance	Report Type & QC Level: Level 1 with EDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Rachel_Lindvall@urscorp.com
Tele/Fax: 925.299.8891 / 925.299.8872	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No: 608

MOC0333

Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	GRO / BTEX (8260)	MTBE, TAME, ETBE, DIPE, TBA (8260)	1,2-DCA & EDB (8260)	ETHANOL (8260)						Sample Point Lat/Long and Comments
1	MW-5	1308	3/10/05		X		01	6				X		X	X	X	X						
2	MW-8	1250					02	3						X	X	X	X						
3	MW-9	1200					03							X	X	X	X						
4	MW-10	1125					04							X	X	X	X						
5	MW-11	1142					05							X	X	X	X						
6	MW-15	1100					06							X	X	X	X						
7	MW-16	1046					07							X	X	X	X						
8	MW-22	1018					08							X	X	X	X						
9	MW-25	1330					09							X	X	X	X						
10	E-1A	1315	↓		↓		10	↓				↓		X	X	X	X						

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Sucheon Suho	[signature]	3/11/05	922	[signature]	3/11/05	922
Sampler's Company: BTS	[signature]	3/11/05	1530	Jannyhoo	3/11/05	1825
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

Special Instructions:

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

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

Chain of Custody Record

Project Name: Analytical for O&M and QMR Sampling

BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 608 > HistoricalBL

State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fr

Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: Samps 1	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Sequoia	BP/AR Facility No.: 608	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 17601 Hesperian Blvd., San Lorenzo, CA 945	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.673888 / -122.123	Oakland, CA 94612
Lab PM: Lisa Race	California Global ID No.: T0600100085	Consultant/Contractor Project No.: 38487015
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G0C24-0005	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3280 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 03 - Operation and Maintenance	Report Type & QC Level: Level 1 with EDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Rachel_Lindvall@urscorp.com
Tele/Fax: 925.299.8891 / 925.299.8872	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No: 608

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO / BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: ETHANOL (8260)	Sample Point Lat/Long and Comments
																		MOC0333
1	17372 VM	1350	3/10/05		X		11	3				X		X	X	X	X	
2	TB-0310-05	55																
3	TB-6008-03102005	—	3/10/05		X		12	2				X						ON HOLD
4																		
5																		
6																		
7																		
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Sucheta Sunt						
Sampler's Company: RTS						
Shipment Date:		3/11/05	9:22		3/11/05	9:22
Shipment Method:		3/11/05	1530	Jamyfin	3/11/05	1825
Shipment Tracking No:						

Special Instructions:

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: bp
REC. BY (PRINT): JT
WORKORDER: MOC0333

DATE REC'D AT LAB: 3/11/05
TIME REC'D AT LAB: 18 25
DATE LOGGED IN: 3-13-05

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

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID:	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) (Present) / Absent; (Intact) / Broken*	01		MW-5	Voa-6	HCl	–	W	3/11/05	
2. Chain-of-Custody (Present) / Absent*	02		MW-8	Voa-3	SAME				
3. Traffic Reports or Packing List: Present / (Absent)	03		MW-9						
4. Airbill: Airbill / Sticker Present / (Absent)	04		MW-10						
	05		MW-11						
	06		MW-15						
	07		MW-16						
5. Airbill #:	08		MW-22						
6. Sample Labels: (Present) / Absent	09		MW-25						
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody	10		E-1A						
	11		17378 VM						
8. Sample Condition: (Intact) / Broken* / Leaking*	12		TB-608-03102005	Voa-2					
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper Preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) (Yes) / No*									
14. Temp Rec. at Lab: 4.5°C; Is temp 4 +/-2°C? (Yes) / No**									

(Acceptance range for samples requiring thermal pres.)

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

JT 3/11/05

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

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)	MBE (ppb)	Dissolved Oxygen (ppm)
MW-5 ††	03/13,14/96	33.89	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	<600	<6.0	<6.0	<6.0	<6.0	280	NM
	03/31/97 †		12.42	21.57	<50	<0.50	<0.50	<0.50	<0.50	41	NM
	05/26/97		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	0.8	<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	21.85	96.7	<0.50	<0.50	<0.50	<0.50	551	2.0
	9/19,20/00		12.45	21.84	<50.0	<0.50	<0.50	<0.50	<0.50	51	2.2
	12/14,15/00		12.03	21.98	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	22.63	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
	11/26,26/96		12.10	22.30	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		11.72	22.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		12.98	21.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		12.25	22.15	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	11/24,25/97		12.57	21.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
	03/19,20/98		10.35	24.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
	06/04/98		11.30	23.10	<50	<0.30	<0.30	<0.30	<0.60	<10	0.7
	09/21,22/98		12.48	21.92	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	12/14,15/98		11.90	22.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
	03/15,16/99		11.10	23.30	<50	<0.50	<0.50	<0.50	<0.50	<	0.0
	06/14,15/99					Removed From Gauging and Sampling Program					
MW-8	03/13,14/96	32.79	8.90	23.89	670	5.1	<2.0	<2.0	<2.0	NA	NM
	05/28,29/96		10.58	22.21	490	<1.0	<1.0	0.91	0.91	NA	NM
	08/28/96		11.30	21.49	680	29	2.1	3.0	2.4	80	NM
	11/26/96		10.80	21.99	620	1.2	2.6	2.9	2.0	48	NM
	03/31-04/01/97		10.76	22.03	530	<1.0	1.7	2.0	3.8	380	NM
	06/25/97		11.85	21.14	480	8.7	0.69	0.8	0.71	86	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		–	–	–	–	–	–	–	46	–
	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	350	2.2	1.2	1.8	1.0	47	0.3
	09/21,22/98		11.37	21.42	380	<2.5	<2.5	<2.5	<2.5	620	0.0
	12/14,15/98		10.80	21.99	<50	<0.50	<0.50	<0.50	<0.50	1,600	0.0
	03/15,16/99		10.00	22.79	<500	<5.0	<5.0	<5.0	<5.0	625	0.0
	06/14,15/99		11.17	21.62	166	<0.50	<0.50	<0.50	<0.50	141	NM
	09/15,16/99		11.65	21.14	<500	<5.0	<5.0	<5.0	<5.0	2,380	2.4
	12/08,09/99		11.48	21.31	213	<0.50	<0.50	<0.50	<0.50	4,160	2.8
	03/15/00		9.38	23.41	133	<0.50	3.44	<0.50	0.548	1,350	2.2
	03/15/00 a		–	–	–	–	–	–	–	1,980	–
	06/13/00 b		11.93	20.86	227	<0.50	<0.50	<0.50	<0.50	657	1.0
	9/19,20/2000		11.46	21.33	191	1.7	3.2	<0.50	1.2	160	1.0
	12/14,15/00		10.97	21.82	243	<0.50	<0.50	<0.50	<0.50	243	2.0
	3/8,9/01		9.80	22.99	144	<0.50	<0.50	<0.50	<0.50	188	3.0
	06/14/01		11.22	21.57	150	3.2	0.75	<0.50	1.0	230	3.4
	09/26/01		10.50	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			9.57	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
		06/26/97			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	NM
		11/24,25/97			10.70	21.41	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		03/19,20/98			8.63	23.48	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
		06/04/98			9.35	22.76	<50	<0.30	<0.30	<0.30	<0.60	58	4.8
		09/21,22/98			10.55	21.56	<50	<0.50	<0.50	<0.50	<0.50	<10	2.0
		12/14,15/98			9.58	22.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		03/15,16/99			9.10	23.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
		06/14,15/99			10.32	21.79	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.0
		09/15,16/99			10.83	21.28	<50	<0.50	<0.50	<0.50	<0.50	3.27	2.2
		12/08,09/99			10.70	21.41	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.2
		03/15/00			8.56	23.53	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.8
		06/13/00	b		10.48	21.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		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	2.0
		3/8,9/01			9.05	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		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	2.6
		12/29/01			8.82	23.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		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	500	<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	5.0	4.9	3.8	9.6	200	NM
		03/31/97	†		10.15	21.52	150	<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	5.7	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	180	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	580	<0.30	4.8	2.3	8.6	79	0.0
		09/21,22/98			10.77	20.90	650	<0.50	<0.50	3.5	1.3	99	0.0
		12/14/98			10.18	21.49	828	<1.0	<1.0	3.39	<1.0	152	0.4
		03/15,16/99			9.30	22.37	910	17.6	1.3	5.24	<1.0	268	0.0
		06/14,15/99			10.57	21.10	643	<0.50	0.781	1.13	1.35	232	NM
		09/15,16/99			11.03	20.64	665	<1.25	1.25	<1.25	<1.25	315	5.8
		12/08,09/99			10.88	20.79	898	5.7	1.29	<1.0	<1.0	235	5.6
		03/15/00			8.68	22.99	459	<1.0	<1.0	<1.0	<1.0	285	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	<0.60	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	680	<0.50	1.60	1.50	1.60	250	2.6
		12/29/01			9.06	22.61	410	<0.50	6.70	2.50	2.90	950	3.2
		03/13/02			9.58	21.99	680	<5.0	<5.0	<5.0	<5.0	570	3.2
MW-11		03/13,14/96		32.54	8.50	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	<2.0	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			10.86	21.68	<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	<0.50	<2.5	NM
		11/24,25/97			11.50	21.04	<50	<0.50	<0.50	<0.50	0.65	<2.5	2.0
		03/19/98			9.43	23.11	<50	<0.50	<0.50	<0.50	<0.50	3.8	2.4
		06/03/98			10.27	22.27	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		09/21,22/98			11.43	21.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8
		12/14/98			10.85	21.69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		03/15,16/99			10.06	22.49	<50	<0.50	<0.50	<0.50	<0.50	<2.0	1.4
												<5.0	1.2

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0508
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)	MBE (ppb)	Dissolved Oxygen (ppm)
MW-11 (cont.)		06/14,15/99			11.25	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
		09/15/99			11.63	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			11.08	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		3/8,9/01			9.78	22.75	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		06/14/01			11.23	21.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
		09/26/01			11.70	20.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
		12/29/01			9.91	22.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
		03/13/02			10.38	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
E-1A (MW-12)	††	03/13,14/96		33.06	10.35	22.71	2,700	38	<6.0	130	9.2	NA	NM
		05/28,29/96			11.50	21.56	1,400	410	18	55	5.5	NA	NM
		08/28/96			11.70	21.36	NS	NS	NS	NS	NS	NS	NM
		11/25,26/96			11.18	21.88	4,300	13	<5.0	100	20	220	NM
		03/31/97	†		12.65	20.41	1,900	7.9	<2.0	62	3.5	140	NM
		06/25/97			11.82	21.24	4,900	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	1.6
		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	21.48	3,300	1.7	<0.50	29	3.6	52	1.8
		12/14,15/98			11.10	21.98	3,100	21	8.7	28	<5.0	140	1.0
		03/16,18/99			10.26	22.81	3,800	24.5	<20	41.2	<20	296	1.0
		06/14,15/99			11.47	21.59	6,090	<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	1.38	9.21	<1.25	364	NM
		03/15/00			9.62	23.54	4,430	25.1	<10.0	16.3	<10.0	785	1.8
		03/15/00	a		--	--	--	--	--	--	--	908	--
		06/13/00	b		22.31	10.75	262	9.62	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	151	<0.50	<0.50	0.789	<0.50	100	1.4
		3/8,9/01			23.80	9.26	370	1.78	<0.50	0.766	<0.50	76	1.6
		06/14/01			21.10	11.96	130	<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			21.76	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			12.80	22.62	<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			8.23	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			9.76	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			8.52	21.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.1
		09/21,22/98			9.72	20.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.8
		12/14/98			9.15	21.31	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.8
		03/15,16/99			8.20	22.26	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0608
17801 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 (cont.)	06/14, 15/99		9.54	20.92			Well Sampled Annually				
	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	1.8
	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	22.29	<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		10.53	20.78	<50	<0.50	<0.50	<0.50	<0.50	48.2	1.8
	03/15,16/99		NM				Well Inaccessible				
	06/14,15/99		NM				Well Inaccessible				
	09/15, 16/99		NM				Well Inaccessible				
	12/08,09/99		11.29	20.13	<50	<0.5	<0.5	<0.5	<0.5	167.0	NM
	03/15/00		9.03	22.39	<50	<0.5	<0.5	<0.5	<0.5	82.1	1.5
	03/15/00 a		—	—	—	—	—	—	—	105	—
	06/13/00 b		10.96	20.46	<50	<0.5	0.709	<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	53.8	2.6
	06/14/01		10.95	20.48	<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		12.09	19.36	<50	<0.50	<0.50	<0.50	<0.50	53	3.0
	09/09,10/97 a		—	—	—	—	—	—	—	88	—
	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	3.4	3.0
	06/03/98		10.55	20.84	<50	<0.50	<0.50	<0.50	<0.50	22	1.8
	09/21,22/98		11.77	19.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.2
	12/14/98		11.20	20.19	<50	<0.50	<0.50	<0.50	<0.50	25	1.0
	03/15,16/99		10.30	21.09	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.6
	06/14,15/99		11.53	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	18.1	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	0.803	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	1.8
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 (cont.)	03/31-04/01/97		10.14	19.56	<50	<0.60	<0.50	<0.60	<0.50	<2.5	NM
	06/25/97		10.94	18.76	<50	<0.50	<0.50	<0.50	<0.50	<2.8	NM
	09/09,10/97		11.00	18.70	<50	<0.60	<0.50	<0.60	<0.50	<2.5	4.0
	11/24,25/97		10.66	19.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
	03/19/98		8.95	20.76	<50	<0.50	<0.50	<0.60	<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	<0.60	<2.0	2.6
	03/15,16/99		9.20	20.50	<50	<0.50	<0.50	<0.60	<0.50	<8.0	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	<2.6	NM
	06/13/00 b		10.60	19.10	Well Sampled Annually						
	9/15,20/00		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	<0.60	<0.60	<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	20.74	<50	<0.60	<0.50	<0.50	<0.60	<2.5	2.8
MW-19	03/13/96	29.02	7.08	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	<0.60	<0.50	NA	NM
	08/28/96		10.33	18.69	<50	<0.50	<0.50	<0.50	<0.50	<2.6	NM
	11/26/96		9.87	19.35	<50	<0.60	<0.60	<0.60	<0.50	<2.5	NM
	03/31-04/01/97		9.65	19.37	<50	<0.50	<0.60	<0.60	<0.50	<2.5	NM
	06/25/97		10.41	18.61	<50	<0.50	<0.50	<0.60	<0.50	<2.5	NM
	09/09,10/97		10.47	18.55	<50	<0.50	<0.50	<0.50	<0.50	<2.6	3.0
	11/24,25/97		10.36	18.67	<50	<0.50	<0.60	<0.60	<0.60	<2.5	3.8
	03/19/98		8.67	20.35	<50	<0.60	<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	<0.80	<0.60	<0.50	<2.6	2.8
	12/14/98		9.70	18.32	<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	<0.60	<0.60	NA	NM
	05/28,29/96		9.85	18.87	<50	<0.50	<0.60	<0.50	<0.50	NA	NM
	08/28/96		10.75	17.97	<50	<0.50	<0.60	<0.50	<0.50	<2.5	NM
	11/25/96		10.00	18.72	<50	<0.50	<0.60	<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	<2.6	NM
	09/09,10/97		10.90	17.82	<50	<0.60	<0.50	<0.60	<0.50	<2.5	2.0
	11/24,25/97		10.50	18.22	<50	<0.50	<0.50	<0.60	<0.60	<2.6	2.4
	03/19/98		9.08	19.64	<50	<0.50	<0.60	<0.50	<0.50	<2.8	0.08
	06/03/98		9.57	19.15	<50	<0.50	<0.50	<0.60	<0.60	<0.50	0.8
	09/21,22/98		10.75	17.97	<50	<0.50	<0.50	<0.50	<0.60	<2.5	0.4
	12/14/98		10.11	18.61	<50	<0.50	<0.50	<0.60	<0.60	<2.0	0.5
	03/15,16/99		9.10	19.62	<50	<0.50	<0.50	<0.80	<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						
	03/16/00		8.95	19.77	<50	<0.60	<0.60	<0.50	<0.60	<5.0	1.3
	06/13/00 b		10.97	17.75	Well Sampled Annually						
	9/19,20/00		10.66	18.06	Well Sampled Annually						
	12/14,15/00		10.30	18.42	Well Sampled Annually						
	3/8,9/01		9.00	19.72	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	06/14/01		10.40	18.32	Well Sampled Annually						
	09/26/01		10.75	17.97	Well Sampled Annually						
	12/29/01		7.86	20.86	Well Sampled Annually						
	03/13/02		9.40	19.32	<50	<0.50	<0.50	<0.50	<0.60	<5.0	1.2
MW-22	03/13/96	29.29	7.63	21.46	<50	<0.60	<0.60	<0.50	<0.50	NA	NM
	06/28/96		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	<2.6	NM
	11/25/96		10.61	18.68	<50	<0.50	<0.60	<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		10.86	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	<0.60	<2.6	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	<0.60	<2.5	1.6
	03/19/98		9.40	19.89	<50	<0.50	<0.60	<0.60	<0.50	<2.5	2.0
	06/03/98		10.00	19.29	<50	<0.50	<0.60	<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		10.68	18.64	<50	<0.50	<0.60	<0.50	<0.50	<2.0	2.4
	03/15,16/99		9.67	19.62	<50	<0.50	<0.50	<0.60	<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	<0.60	49.2	1.2
	12/08,09/99		11.25	18.04	<50	<0.50	<0.50	<0.80	<0.50	17.9	1.4

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 9508
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-22 (cont.)	03/15/00			9.29	20.08	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.1
	06/13/00	b		11.08	18.23	<50	<0.50	<0.50	<0.50	<0.50	6.86	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			5.43	19.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
	06/14/01			10.96	18.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	09/26/01			11.41	17.86	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
	12/29/01			8.75	20.51	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/13/02			9.85	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
MW-23	03/13/96		30.89	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	NM
	11/24,25/97			12.13	18.86	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	03/19/98			10.22	20.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/03/98			11.03	19.96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
	09/21,22/98			12.31	18.68	<50	<0.50	0.64	1.9	<0.50	<0.50	2.3
	12/14/98			11.87	19.32	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	03/15,16/99			10.82	20.17	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.0
	06/14,15/99			12.08	18.91						<5.0	2.6
	09/15/99			12.48	18.51							
	12/06,09/99			12.29	18.70							
	03/15/00			10.04	20.95							
	06/13/00	b		11.95	19.04	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	9/19,20/00			12.15	18.84							
	12/14,15/00			12.25	18.74							
	3/8,9/01			10.49	20.50							
	06/14/01			11.97	19.02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	09/26/01			12.48	18.59							
	12/29/01			10.42	20.57							
	03/13/02			11.01	19.98							
MW-24	03/13,15/96		34.38	10.10	24.28	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
	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	NA	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	NM
	11/24,25/97			13.25	21.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	5.0
	03/19,20/98			11.32	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/04/98			12.00	22.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	09/21,22/98			13.13	21.25	<50	<0.30	<0.30	<0.30	<0.60	<10	0.8
	12/14,15/98			12.53	21.85	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	03/15,16/99			11.58	22.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
	06/14,15/99										<5.0	0.0
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			14.67	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	58.9	2.2
	09/15,16/1999			12.34	21.78	<50	<0.50	<0.50	<0.50	<0.50	65.4	NM
	12/06,09/99			12.28	21.87	<50	<0.50	<0.50	<0.50	<0.50	55.6	0.0
	03/15/00			10.15	23.98	<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	1.6
	9/19,20/00			12.08	22.04	<50	f	<0.50	<0.50	<0.50	192	1.2
	12/14,15/00			11.74	22.38	<50	<0.50	<0.50	<0.50	<0.50	134	4.0
	3/8,9/01			10.53	23.59	<50	<0.50	<0.50	<0.50	<0.50	140	2.8
	06/14/01			11.95	22.17	<50	<0.50	<0.50	<0.50	<0.50	150	2.6
	09/26/01			12.22	21.90	<50	<0.50	<0.50	<0.50	<0.50	84	1.0
	12/29/01	c	33.81	10.32	23.49	73	<0.50	<0.50	1	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

Well Sampled Annually

Removed From Gauging and Sampling Program

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-2S (cont.)	09/09,10/97		12.77	20.94	<50	<0.50	<0.50	<0.50	<0.50	<2.5	5.0
	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		10.85	23.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	06/04/98		11.22	22.49	<50	<0.30	<0.30	<0.30	<0.60	<10	2.1
	09/21,22/98		12.45	21.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	12/14,15/98		11.83	21.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
	03/15,16/99		10.86	22.85	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.6
	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				Well Sampled Annually			
	06/14/01		12.17	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	09/25/01		12.70	21.01				Well Sampled Annually			
	12/29/01		10.41	23.30				Well Sampled Annually			
	03/13/02		11.27	22.44				Well Sampled Annually			
					<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, 1995 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	NA		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 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)
634 H (cont.)	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 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 R (cont.)	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
17197 VM	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	11/24/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	03/19/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.2
	09/21/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	12/14/98	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.4
	03/15/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.6
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	09/15/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	12/08/99 a	NS	NS	NS	NS	NS	NS	NM
	03/15/00 a	NS	NS	NS	NS	NS	NS	NM
	06/13/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/19/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	12/14/00 f	NS	NS	NS	NS	NS	NS	NM
	03/08/01 f	NS	NS	NS	NS	NS	NS	NM
	06/14/01 f	NS	NS	NS	NS	NS	NS	NM
	09/26/01 f	NS	NS	NS	NS	NS	NS	NM
	12/29/01 f	NS	NS	NS	NS	NS	NS	NM
	03/13/02 f	NS	NS	NS	NS	NS	NS	NM
17200 VM	03/15/96	730	<1.0	<1.0	1.5	1.7	NA	NM
	05/27/96	200	<0.50	<0.50	1.4	1.8	NA	NM
	08/29/96		Well Destroyed					
17203 VM	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31/97 f	NS	NS	NS	NS	NS	NS	NM
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09/97 f	NS	NS	NS	NS	NS	NS	NM
	11/24/97 f	NS	NS	NS	NS	NS	NS	NM
	03/19/98		Well Dry					
	06/03/98 f	NS	NS	NS	NS	NS	NS	NM
	09/21/98 f	NS	NS	NS	NS	NS	NS	NM
	12/14/98 f	NS	NS	NS	NS	NS	NS	NM
	03/15/99 f	NS	NS	NS	NS	NS	NS	NM
	06/14/99 f	NS	NS	NS	NS	NS	NS	NM
	09/15/99 f	NS	NS	NS	NS	NS	NS	NM
	12/08/99 f	NS	NS	NS	NS	NS	NS	NM
	03/15/00 f	NS	NS	NS	NS	NS	NS	NM
	06/13/00 f	NS	NS	NS	NS	NS	NS	NM
	09/19/00 f	NS	NS	NS	NS	NS	NS	NM
	12/14/00 f	NS	NS	NS	NS	NS	NS	NM
	03/08/01 f	NS	NS	NS	NS	NS	NS	NM
	06/14/01 f	NS	NS	NS	NS	NS	NS	NM
	09/26/01 f	NS	NS	NS	NS	NS	NS	NM
	12/29/01 f	NS	NS	NS	NS	NS	NS	NM
	03/13/20 f	NS	NS	NS	NS	NS	NS	NM
17302 VM	03/15/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)		Dissolved Oxygen (ppm)
17302 VM (cont.)	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
	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	a	NM
	03/31/97	430	<1.0	2.7	<1.0	1.0	57	a	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	0.96	<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	284	<0.50	5.82	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
	09/13/99 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
	03/16/00	<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
	09/18/00	--	--	--	--	--	85.1	c	NM
	09/19/00	108	<0.50	2	<0.50	<0.50	204.0		NM
	12/14/00	--	--	--	--	--	84.0	c	NM
	12/14/00	65.9	0.61	<0.50	<0.50	<0.50	188.0		1.8
	03/08/01	--	--	--	--	--	197.0	c	NM
	03/08/01	<50	<0.50	<0.50	<0.50	<0.50	91.8		1.8
	06/14/01	--	--	--	--	--	98.3	c	NM
	06/14/01	<50	<0.50	<0.50	<0.50	<0.50	68.0		2.8
	09/26/01	--	--	--	--	--	99.0	c	NM
	09/26/01	52	0.53	<0.50	<0.50	<0.50	49.0		1.8
	12/28/01	--	--	--	--	--	54.0	c	
	12/29/01	<50.0	<0.50	0.78	<0.50	<0.50	58.0		NM
	03/13/02	--	--	--	--	--	48.0	c	NM
	03/13/02	<50.0	1	<0.50	<0.50	<0.50	49.0		2.0
		--	--	--	--	--	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
	09/16/99 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
	06/26/97	<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	6.65		4.6
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	3.33		4.0
	09/16/99	<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	<2.8		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.
e = 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

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

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

SUCCESSFUL GEO_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	3/28/2005 4:11:17 PM

Processing is complete. No errors were found!
You may now proceed to the upload page.

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Electronic Submittal Information

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**1Q2005 QMR Geowell ARCO Site 608**
Submittal Date/Time:	**3/28/2005 4:12:04 PM**
Confirmation Number:	**6858505070**

Back to Main Menu

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CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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

SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	3/28/2005 4:13:50 PM
GLOBAL ID:	T0600100085
FILE UPLOADED:	ARCO#0608-EDF-MOC0333.zip

No errors were found in your EDF upload file.

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ARCO # 00608
17601 HESPERIAN BLVD
SAN
LORENZO, CA 94580

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

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	11
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DCA12D4 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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Confirmation Number: 3054025471
Date/Time of Submittal: 3/28/2005 4:16:35 PM
Facility Global ID: T0600100085
Facility Name: ARCO # 00608
Submittal Title: 1Q2005 QMR EDF ARCO Site 608
Submittal Type: GW Monitoring Report

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ARCO # 00608
17601 HESPERIAN BLVD
SAN LORENZO, CA 94580

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

CONF #	TITLE	QUARTER
3054025471	1Q2005 QMR EDF ARCO Site 608	Q1 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	3/28/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	11
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DCA12D4 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

ATTACHMENT E

O&M FIELD DATA SHEETS, CERTIFIED ANALYTICAL REPORTS, AND CHAIN-OF-CUSTODY RECORDS

Date: 3/30/05

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)	42275	HOUR METER READING (hrs)	20072.4

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4,203,345	4,203,361
FILTER INLET PRESSURE (psig)	18.5	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	16.1	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig) #3	9.5 4.0	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS HASP Signed 7/03
Permit Faxed to Me 8/03 No exp. date found.
No O&M Manual

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Date: 3/30/05

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)	42275	HOUR METER READING (hrs)	20072.4

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4,203,345	4,203,361 ~~4,203,345~~
FILTER INLET PRESSURE (psig)	18.5	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	16.1	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig) #3	9.5 4.0	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS HASP Signed 7/03
Permit Faxed to Mc 8/03 16 exp. date found.
No O&M Manual

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PART C: WELL DATA (Monthly)

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

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

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	3/16
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	3/16
MID-1	TPH-gasoline, BTEX compounds, MtBE	3/16
MID-2	TPH-gasoline, BTEX compounds, MtBE	3/16

PART E: READINGS (Monthly) Collected 3/16/05

	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	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	N/A		

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

Date: 3/16/05

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)	42085	HOUR METER READING (hrs)	19740.7

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4,175,328	4,175,364
FILTER INLET PRESSURE (psig)	19 ~~19~~ ~~[illegible]~~	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	~~[illegible]~~ 14.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig) #3	4.5 9.6	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS

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PART C: WELL DATA (Monthly)

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

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

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	3/16
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	3/16
MID-1	TPH-gasoline, BTEX compounds, MtBE	3/16
MID-2	TPH-gasoline, BTEX compounds, MtBE	3/16

PART E: READINGS (Monthly)

	TEMP (~~°F~~)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	21.7°C	1111 µS	6.48	0.75

PART F: SYSTEM MAINTENANCE I (Monthly)

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

bp

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 4/1/05
(14- day TAT)

On-site Time:	1230	Temp:	72
Off-site Time:	1330	Temp:	72
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	n/a	Direction:	n/a

Lab Name: STL-SF (Pleasanton)		BP/AR Facility No.:	Station 608
Address:	1220 Quarry Lane	BP/AR Facility Address:	17601 Hesperian Blvd, San Lorenzo
	Pleasanton CA	Site Lat/Long:	
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T0000100085
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.:	G0C24-0005
BP/AR PM Contact:	Paul Supple	Provision or RCOP:	Provision
Address:	P.O. Box 6549	Phase/WBS:	03 - O&M
	Moraga CA 94570	Sub Phase/Task:	03 - Analytical
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:	05 - Subcontractor Costs

Consultant/Contractor:	URS Oakland		
Address:	1333 Broadway, Suite 800		
	Oakland CA 94612		
Consultant/Contractor Project No.:	38487015		
Consultant/Contractor PM:	Scott Robinson		
Tele/Fax:	510.893.3600/510.874.3268		
Report Type & QC Level:	Level 1 and EDF		
E-mail EDD To:	Donna_Cosper@urscorp.com		
Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)		

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX/Oxy/TPH (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comment
1	INF	1320	3/16		X			3				X		X			
2	MID-1	1315	3/16		X			3				X		X			
3	MID-2	1310	3/16		X			3				X		X			
4	EFFL	1300	3/16		X			3				X		X			
5	EFFL	1300	3/16		X			1	X							X	
6	EFFL	1300	3/16		X			1		X					X		
7	TRIP BLANK	1230	3/16		X			3				X					on hold
8																	
9																	
10																	

Sampler's Name:	Donna Cosper	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company:	URS Corp		3/16	1800		
Shipment Date:	3/17/05					
Shipment Method:	SAC-STL					
Shipment Tracking No:						

Special Instructions:

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

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

Date: 3/2/05

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)	41890	HOUR METER READING (hrs)	19,405.9

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4146956	4,146,962
FILTER INLET PRESSURE (psig)	19.0	(ideal range: 8 to 12 psig) 17.0
CARBON #1 INLET PRESSURE (psig)	16.1	(ideal range: 5 to 9 psig) 14.0
CARBON #2 INLET PRESSURE (psig) #3	10.0 4.5	(ideal range: 1 to 4 psig) 9.6 4.5
DISCHARGE PRESSURE (psig)	0.5	(ideal range: 0 to 2 psig) 0.5

PART B: COMMENTS System Averaging 2,064 gallons per day. (1.4 gpm)

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PART C: WELL DATA (Monthly)

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

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

PART D: SAMPLING (Monthly) To be Completed 3/16/05

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 3/16/05

	TEMP (^{O}F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT				

PART F: SYSTEM MAINTENANCE I (Monthly)

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

Date: 8/16/05

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)	41,692	HOUR METER READING (hrs)	19068.3

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4,117,922	
FILTER INLET PRESSURE (psig)	15.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	14.2	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig) #3 Inlet	9.9 4.5	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS

SS
02/18/05

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	2/16/05
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	2/16/05
MID-1	TPH-gasoline, BTEX compounds, MtBE	2/16/05
MID-2	TPH-gasoline, BTEX compounds, MtBE	2/16/05

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	19.3°C	1080 us	6.61	2.01

PART F: SYSTEM MAINTENANCE I (Monthly)

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

Chain of Custody Record

Project Name:	Station 608 - O&M - Remediation / Environmental
BP BU/AR Region/Enfos Segment:	Retail
State or Lead Regulatory Agency:	Oro Loma Sanitary District
Requested Due Date (mm/dd/yy):	3/2/05

On-site Time:	1230 Temp: 59
Off-site Time:	Temp:
Sky Conditions:	Over Cast
Meteorological Events:	None
Wind Speed:	n/a Direction: n/a

Lab Name:	STL-SF (Pleasanton)
Address:	1220 Quarry Lane
	Pleasanton, CA 94566
Lab PM:	Afsaneh Salimpour
Tele/Fax:	925.484.1919/925.484.1096
BP/AR PM Contact:	Paul Supple
Address:	P.O. Box 6549
	Moraga, CA 94570
Tele/Fax:	925.299.8891/925.299.8872

BP/AR Facility No.:	608
BP/AR Facility Address:	17601 Hesparian Blvd, San Lorenzo, CA
Site Lat/Long:	
California Global ID No.:	T0000000085
Enfos Project No.:	38487015
Provision or RCOP (circle one)	
Phase/WBS:	
Sub Phase/Task:	
Cost Element:	

Consultant/Contractor:	URS Oakland
Address:	1333 Broadway, #800
	Oakland, CA 94612
Consultant/Contractor Project No.:	38487015
Consultant/Contractor PM:	Scott Robinson
Tele/Fax:	510-893-3600/510-874-3268
Report Type & QC Level:	Normal
Email EDD:	scott.robinson and michael.greenberg, @urscorp.com
Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX 8021	Requested Analysis: BTEX/TPH	Requested Analysis: BTEX/Oxy/TPH	Requested Analysis: EPA 8260	Requested Analysis: EPA 8270	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comment
1	INF	1320	2/16		X			3				X				X					
2	MID-1	1315	2/16		X			3				X				X					
3	MID-2	1310	2/16		X			3				X				X					
4	EFFL	1300	2/16		X			6				X				X					
5	EFFL	1300	2/16		X			1		X									X		NO EDF
6	EFFL	1300	2/16		X			1	X											X	
7	Trip blank	1230	2/16		X			3				X		40	C	D					on hold
8																					
9																					
10																					

Sampler's Name:	George Bradshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation
Sampler's Company:	URS Corporation		2/16/05	1700	
Shipment Date:	2/17/05				
Shipment Method:	S&C - STL				
Shipment Tracking No:					

Special Instructions: GRO, BTEX & MTBE by EPA Method 8260B

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

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

Date: 2/2/05

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

Arrival: 1330
Depart: 1430

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)	41501 kwh	HOUR METER READING (hrs)	18733.5

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4,091,628	4,091,639
FILTER INLET PRESSURE (psig)	18.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	15.8	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig) #3 Inlet	10.0 4.5	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS System Average 1,994 gal/day (1.4 gpm)

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02/04/05

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	
SPI-V4		N/A	N/A	

PART D: SAMPLING (Monthly) To Be Completed 2/16/05

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 2/16/05

	TEMP (^{o}F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT				

PART F: SYSTEM MAINTENANCE I (Monthly)

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

Alarm switch change to every visit.

Date: 1/19/05

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? Yes (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	41308	HOUR METER READING (hrs)	18396.1

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4,063,602	4,063,710
FILTER INLET PRESSURE (psig)	15	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	14.3	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig) #2 #3	9.6 4.0	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS

SS
01/21/05

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

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	19.7°C	1050 µs	6.78	1.26

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	No
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		

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation / Environmental
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 12/22/05

On-site Time:	1200	Temp:	60
Off-site Time:	1350	Temp:	60
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	N/A	Direction:	N/A

Lab Name:	STL-SF (Pleasanton)	BP/AR Facility No.: 608	Consultant/Contractor: URS Oakland
Address:	1220 Quarry Lane	BP/AR Facility Address: 17601 Hesperian Blvd, San Lorenzo, CA	Address: 1333 Broadway, #800
	Pleasanton, CA 94566	Site Lat/Long:	Oakland, CA 94612
Lab PM:	Afsaneh Salimpour	California Global ID No.: T0000100085	Consultant/Contractor Project No.: 38487015
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.: 38487015	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact:	Paul Supple	Provision or RCOP (circle one)	Tele/Fax: 510-893-3600/510-874-3268
Address:	P.O. Box 6549	Phase/WBS:	Report Type & QC Level: Normal
	Moraga, CA 94570	Sub Phase/Task:	Email EDD: scott.robinson and michael.greenberg, @urscorp.com
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX 8021	Requested Analysis: BTEX/TPH	Requested Analysis: BTEX/Oxy/TPH	Requested Analysis: EPA 8260	Requested Analysis: EPA 8270	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comments
1	INF	1250	1/19		X			3				X				X					
2	MID-1	1245	1/19		X			3				X				X					
3	MID-2	1240	1/19		X			3				X				X					
4	EFFL	1230	1/19		X			3				X				X					
5	EFFL	1230	1/19		X			1		X									X		NO EDF
6	EFFL	1230	1/19		X			1	X											X	
7	Trip blank	1200	1/19		X																on hold
8																					
9																					
10																					

Sampler's Name:	George Bradshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company:	URS Corporation		12/20/05	1620		1-20-06 1615
Shipment Date:	12/20/05					
Shipment Method:						
Shipment Tracking No:						

Special Instructions: GRO, BTEX & MTBE by EPA Method 8260B

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

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

Date: 1/5/05

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)	41111	HOUR METER READING (hrs)	18062.2

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4033820	4033833
FILTER INLET PRESSURE (psig)	17.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	15.0	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig) #3	10.0 4.5	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Changed Bag Filters
Sampling on 1/19-20/05

RECEIVED
JAN 07 2005
BP UNIT

SS
01/07/05

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 1/20/04

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

PART E: READINGS (Monthly) To be Completed 1/20/04

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

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	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		

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

Date: 12/30/04

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)	41024	HOUR METER READING (hrs)	17915.0

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	4020937	4,020,940
FILTER INLET PRESSURE (psig)	17.0	(ideal range: 8 to 12 psig) 14.0
CARBON #1 INLET PRESSURE (psig)	14.5	(ideal range: 5 to 9 psig) 13.2
CARBON #2 INLET PRESSURE (psig) #3	9.8 4.5	(ideal range: 1 to 4 psig) 3.0 3.9
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig) 0

PART B: COMMENTS Bleed Air from Bag Filter, Pressure Dropped.

RECEIVED
JAN 0 4 2005
BP UNIT

SS
4/05

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

DEC-31-2004 08:55

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	12/16
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	12/16
MID-1	TPH-gasoline, BTEX compounds, MtBE	12/16
MID-2	TPH-gasoline, BTEX compounds, MtBE	12/16

PART E: READINGS (Monthly) Completed 12/16

EFFLUENT	TEMP (^{0}F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	N/A
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	No		

SEVERN TRENT STL

Submission#: 2005-03-0650

URS-Oakland, CA

April 01, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015
Project: Station 608
Site: 17601 Hesperian Blvd., San Lorenzo

Attached is our report for your samples received on 03/18/2005 16:10
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 05/02/2005 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: 2005-03-0650

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	03/16/2005 13:00	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s):	160.2	Test(s):	160.2
Sample ID:	**EFFL**	Lab ID:	2005-03-0650 - 4
Sampled:	03/16/2005 13:00	Extracted:	3/22/2005 12:40
Matrix:	Water	QC Batch#:	2005/03/22-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	20	mg/L	1.00	03/23/2005 08:27	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 160.2 — Test(s): 160.2

Method Blank — **Water** — **QC Batch # 2005/03/22-01.29**

MB: 2005/03/22-01.29-001 — Date Extracted: 03/22/2005 12:40

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	20	mg/L	03/23/2005 08:11	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2005/03/22-01.29**

LCS 2005/03/22-01.29-002 Extracted: 03/22/2005 Analyzed: 03/23/2005 08:13

LCSD 2005/03/22-01.29-003 Extracted: 03/22/2005 Analyzed: 03/23/2005 08:12

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	855	931	1000	85.5	93.1	8.5	80-120	20		

SEVERN TRENT STL

Submission: 2005-03-0650

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	03/16/2005 13:20	Water	1
MID-1	03/16/2005 13:15	Water	2
MID-2	03/16/2005 13:10	Water	3
EFFL	03/16/2005 13:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INF	Lab ID:	2005-03-0650 - 1
Sampled:	03/16/2005 13:20	Extracted:	3/29/2005 15:27
Matrix:	Water	QC Batch#:	2005/03/29-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	56	50	ug/L	1.00	03/29/2005 15:27	LW
Benzene	ND	0.50	ug/L	1.00	03/29/2005 15:27	
Toluene	ND	0.50	ug/L	1.00	03/29/2005 15:27	
Ethylbenzene	ND	0.50	ug/L	1.00	03/29/2005 15:27	
Total xylenes	ND	1.0	ug/L	1.00	03/29/2005 15:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/29/2005 15:27	
Methyl tert-butyl ether (MTBE)	21	0.50	ug/L	1.00	03/29/2005 15:27	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/29/2005 15:27	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/29/2005 15:27	
tert-Amyl methyl ether (TAME)	1.1	0.50	ug/L	1.00	03/29/2005 15:27	
Surrogate(s)						
1,2-Dichloroethane-d4	99.3	73-130	%	1.00	03/29/2005 15:27	
Toluene-d8	101.1	81-114	%	1.00	03/29/2005 15:27	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 03/16/2005 13:15
Matrix: Water

Test(s): 8260B
Lab ID: 2005-03-0650 - 2
Extracted: 3/29/2005 16:46
QC Batch#: 2005/03/29-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	03/29/2005 16:46	
Benzene	ND	0.50	ug/L	1.00	03/29/2005 16:46	
Toluene	ND	0.50	ug/L	1.00	03/29/2005 16:46	
Ethylbenzene	ND	0.50	ug/L	1.00	03/29/2005 16:46	
Total xylenes	ND	1.0	ug/L	1.00	03/29/2005 16:46	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/29/2005 16:46	
Methyl tert-butyl ether (MTBE)	2.5	0.50	ug/L	1.00	03/29/2005 16:46	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/29/2005 16:46	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/29/2005 16:46	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/29/2005 16:46	
Surrogate(s)						
1,2-Dichloroethane-d4	114.2	73-130	%	1.00	03/29/2005 16:46	
Toluene-d8	100.0	81-114	%	1.00	03/29/2005 16:46	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-2**	Lab ID:	2005-03-0650 - 3
Sampled:	03/16/2005 13:10	Extracted:	3/29/2005 17:08
Matrix:	Water	QC Batch#:	2005/03/29-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	03/29/2005 17:08	
Benzene	ND	0.50	ug/L	1.00	03/29/2005 17:08	
Toluene	ND	0.50	ug/L	1.00	03/29/2005 17:08	
Ethylbenzene	ND	0.50	ug/L	1.00	03/29/2005 17:08	
Total xylenes	ND	1.0	ug/L	1.00	03/29/2005 17:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/29/2005 17:08	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/29/2005 17:08	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/29/2005 17:08	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/29/2005 17:08	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/29/2005 17:08	
Surrogate(s)						
1,2-Dichloroethane-d4	112.3	73-130	%	1.00	03/29/2005 17:08	
Toluene-d8	100.9	81-114	%	1.00	03/29/2005 17:08	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B
Sample ID: **EFFL**
Sampled: 03/16/2005 13:00
Matrix: Water

Test(s): 8260B
Lab ID: 2005-03-0650 - 4
Extracted: 3/29/2005 19:29
QC Batch#: 2005/03/29-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	03/29/2005 19:29	
Benzene	ND	0.50	ug/L	1.00	03/29/2005 19:29	
Toluene	ND	0.50	ug/L	1.00	03/29/2005 19:29	
Ethylbenzene	ND	0.50	ug/L	1.00	03/29/2005 19:29	
Total xylenes	ND	1.0	ug/L	1.00	03/29/2005 19:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/29/2005 19:29	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/29/2005 19:29	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/29/2005 19:29	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/29/2005 19:29	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/29/2005 19:29	
Surrogate(s)						
1,2-Dichloroethane-d4	108.6	73-130	%	1.00	03/29/2005 19:29	
Toluene-d8	103.4	81-114	%	1.00	03/29/2005 19:29	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/03/29-1B.64-045

Water

Test(s): 8260B
QC Batch # 2005/03/29-1B.64
Date Extracted: 03/29/2005 07:45

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	03/29/2005 07:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	03/29/2005 07:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/29/2005 07:45	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	03/29/2005 07:45	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	03/29/2005 07:45	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	03/29/2005 07:45	
Benzene	ND	0.5	ug/L	03/29/2005 07:45	
Toluene	ND	0.5	ug/L	03/29/2005 07:45	
Ethylbenzene	ND	0.5	ug/L	03/29/2005 07:45	
Total xylenes	ND	1.0	ug/L	03/29/2005 07:45	
Surrogates(s)					
1,2-Dichloroethane-d4	91.8	73-130	%	03/29/2005 07:45	
Toluene-d8	99.8	81-114	%	03/29/2005 07:45	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/03/29-2B.64-001

Water

Test(s): 8260B
QC Batch # 2005/03/29-2B.64
Date Extracted: 03/29/2005 19:01

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	03/29/2005 19:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	03/29/2005 19:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/29/2005 19:01	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	03/29/2005 19:01	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	03/29/2005 19:01	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	03/29/2005 19:01	
Benzene	ND	0.5	ug/L	03/29/2005 19:01	
Toluene	ND	0.5	ug/L	03/29/2005 19:01	
Ethylbenzene	ND	0.5	ug/L	03/29/2005 19:01	
Total xylenes	ND	1.0	ug/L	03/29/2005 19:01	
Surrogates(s)					
1,2-Dichloroethane-d4	89.4	73-130	%	03/29/2005 19:01	
Toluene-d8	98.8	81-114	%	03/29/2005 19:01	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/03/29-1B.64**

LCS 2005/03/29-1B.64-023 Extracted: 03/29/2005 Analyzed: 03/29/2005 07:23

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.8		25	83.2			75-125	20		
Benzene	21.2		25	84.8			76-124	20		
Toluene	23.0		25	92.0			80-120	20		
Surrogates(s)										
1,2-Dichloroethane-d4	467		500	93.4			73-130			
Toluene-d8	524		500	104.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/03/29-2B.64**

LCS 2005/03/29-2B.64-038 Extracted: 03/29/2005 Analyzed: 03/29/2005 18:38
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.6		25	94.4			75-125	20		
Benzene	25.3		25	101.2			76-124	20		
Toluene	27.2		25	108.8			80-120	20		
Surrogates(s)										
1,2-Dichloroethane-d4	459		500	91.8			73-130			
Toluene-d8	510		500	102.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/03/29-1B.64**

MS/MSD

Lab ID: 2005-03-0757 - 002

MS: 2005/03/29-1B.64-008 Extracted: 03/29/2005 Analyzed: 03/29/2005 09:08
Dilution: 1.00

MSD: 2005/03/29-1B.64-030 Extracted: 03/29/2005 Analyzed: 03/29/2005 09:30
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	23.7	27.3	ND	25	94.8	109.2	14.1	75-125	20		
Benzene	25.2	29.0	ND	25	100.8	116.0	14.0	76-124	20		
Toluene	26.7	31.6	ND	25	106.8	126.4	16.8	80-120	20		LM,AY
Surrogate(s)											
1,2-Dichloroethane-d4	483	483		500	96.6	96.6		73-130			
Toluene-d8	520	527		500	104.0	105.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/03/29-2B.64**

MS/MSD

Lab ID: 2005-03-0659 - 001

MS: 2005/03/29-2B.64-058 Extracted: 03/29/2005 Analyzed: 03/29/2005 20:58

Dilution: 1.00

MSD: 2005/03/29-2B.64-020 Extracted: 03/29/2005 Analyzed: 03/29/2005 21:20

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	26.5	28.0	ND	25	106.0	112.0	5.5	75-125	20		
Benzene	26.6	27.3	ND	25	106.4	109.2	2.6	76-124	20		
Toluene	29.2	30.5	ND	25	116.8	122.0	4.4	80-120	20		LM,AY
Surrogate(s)											
1,2-Dichloroethane-d4	483	486		500	96.6	97.2		73-130			
Toluene-d8	512	510		500	102.4	102.0		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Legend and Notes

Result Flag

LM,AY

LM=MS and/or MSD above acceptance limits. See Blank Spike(LCS).

LW

Quantit. of unknown hydrocarbon(s) in sample based on gasoline

bp 2005-03-0650

Chain of Custody Record

103629 Page 1 of 1

On-site Time:	1230	Temp:	72
Off-site Time:	1330	Temp:	72
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	n/a	Direction:	n/a

Project Name: Station 608 - O&M - Remediation
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Ora Loma Sanitary District
Requested Due Date (mm/dd/yy): 4/1/05
(14- day TAT)

Lab Name: STL-SF (Pleasanton)		BP/AR Facility No.:	Station 608	Consultant/Contractor:	URS Oakland
Address:	1220 Quarry Lane	BP/AR Facility Address:	17601 Hesperian Blvd, San Lorenzo	Address:	1333 Broadway, Suite 800
	Pleasanton CA	Site Lat/Long:			Oakland CA 94612
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T0600100085	Consultant/Contractor Project No.:	38487015
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.:	G0C24-0005	Consultant/Contractor PM:	Scott Robinson
BP/AR PM Contact:	Paul Supple	Provision or RCOP :	Provision	Tele/Fax:	510.893.3600/510.874.3268
Address:	P.O. Box 6549	Phase/WBS:	03 - O&M	Report Type & QC Level:	Level 1 and EDF
	Moraga CA 94570	Sub Phase/Task:	03 - Analytical	E-mail EDD To:	Donna.Cosper@urscorp.com
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:	05 - Subcontractor Costs	Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX/Oxy/TPH (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comment
1	INF	1320	3/16		X			3				X		X			
2	MID-1	1315	3/16		X			3				X		X			
3	MID-2	1310	3/16		X			3				X		X			
4	EFFL	1300	3/16		X			3				X		X			
5	EFFL	1300	3/16		X			1	X							X	
6	EFFL	1300	3/16		X			1		X					X		
7	TRIP BLANK	1230	3/16		X			3				X					on hold
8																	
9																	
10																	

Sampler's Name:	Deanna Bransford	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	URS Corp		3/16	1800		3-17-05	1300
Shipment Date:	3/17/05		3/17/05	1115		3-18-05	1115
Shipment Method:	SAC - STL		3-18-05	1610	STL-SF	3/18/05	1610
Shipment Tracking No:							

Special Instructions:

Custody Seals In Place Yes No Temp Blank Yes X No Cooler Temperature on Receipt 2 °F/C Trip Blank Yes X No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

Sequoia
Analytical

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

30 March, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOC0632

Enclosed are the results of analyses for samples received by the laboratory on 03/22/05 10:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0632
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/30/05 12:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOC0632-01	Water	03/16/05 13:00	03/22/05 10:10

These samples were received with intact custody seals.

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0632
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/30/05 12:26

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOC0632-01) Water	**Sampled: 03/16/05 13:00**	**Received: 03/22/05 10:10**							
Chemical Oxygen Demand	ND	30000	ug/l	1	5C29037	03/29/05	03/29/05	EPA 410.4	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0632
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/30/05 12:26

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C29037 - General Preparation / EPA 410.4										
Blank (5C29037-BLK1)				Prepared & Analyzed: 03/29/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5C29037-BS1)				Prepared & Analyzed: 03/29/05						
Chemical Oxygen Demand	95000	30000	ug/l	100000		95	75-120			
Matrix Spike (5C29037-MS1)	**Source: MOC0632-01**			Prepared & Analyzed: 03/29/05						
Chemical Oxygen Demand	106000	33000	ug/l	111000	18000	79	75-120			
Matrix Spike Dup (5C29037-MSD1)	**Source: MOC0632-01**			Prepared & Analyzed: 03/29/05						
Chemical Oxygen Demand	111000	33000	ug/l	111000	18000	84	75-120	5	15	

Sequoia Analytical

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Morgan Hill, CA 95037
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FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOC0632
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/30/05 12:26

Notes and Definitions

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

SEVERN TRENT **STL**

Chain of Custody

Date Shipped: 3/21/2005

2005-03-0650 - 1

From:

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

MOC0432

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

To:

Sequoia-Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: (408) 776-9600 Ext:
Fax: (408) 782-6308
Contact: Sample Receiving
Phone: (408) 776-9600 Ext:

CL Submission #: 2005-03-0650
CL PO #:

Project #: 38487015
Project Name: Station 608

Client Sample ID	# Containers	Sampled	Matrix	
Analysis			Method	Hold
EFFL	4	3/16/2005 1:00:00PM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1500	Signature Time	Signature Time
Printed Name: J. Bullock Date: 3/21/05	Printed Name Date	Printed Name Date
Company: STL-SF	Company	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: L Parker Time: 10:10	Signature Time	Signature Time
Printed Name Date: 3-22-05	Printed Name Date	Printed Name Date
Company: Seq Analytical	Company	Company

2005-03-0650

103629 Page 1 of 1

bp Chain of Custody Record

Project Name: Station 608 - O&M - Remediation
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 4/1/05
(14- day TAT)

On-site Time:	1230	Temp:	72
Off-site Time:	1330	Temp:	72
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	n/a	Direction:	n/a

Lab Name: STL-SF (Pleasanton)		BP/AR Facility No.:	Station 608	Consultant/Contractor:	URS Oakland
Address:	1220 Quarry Lane	BP/AR Facility Address:	17601 Hesperian Blvd, San Lorenzo	Address:	1333 Broadway, Suite 800
	Pleasanton CA	Site Lat/Long:			Oakland CA 94612
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T0000100085	Consultant/Contractor Project No.:	38487015
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.:	G0C24-0005	Consultant/Contractor PM:	Scott Robinson
BP/AR PM Contact:	Paul Supple	Provision or RCOP :	Provision	Tele/Fax:	510.893.3600/510.874.3268
Address:	P.O. Box 6549	Phase/WBS:	03 - O&M	Report Type & QC Level:	Level 1 and EDF
	Moraga CA 94570	Sub Phase/Task:	03 - Analytical	E-mail EDD To:	Donna_Cosper@urscorp.com
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:	05 - Subcontractor Costs	Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX/Oxy/TPH (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comment
1	INF	1320	3/16		X			3				X		X			
2	MID-1	1315	3/16		X			3				X		X			
3	MID-2	1310	3/16		X			3				X		X			
4	EFFL	1300	3/16		X			3				X		X			
5	EFFL	1300	3/16		X			1	X							X	
6	EFFL	1300	3/16		X			1		X					X		
7	TRIP BLANK	1230	3/16		X			3				X					on hold
8																	
9																	
10																	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: George Bradshaw		3/17/05	1300		3-17-05	1300
Sampler's Company: URS Corp		3/17/05	1115		3-18-05	1115
Shipment Date: 3/17/05		3-18-05	1610	STL-SF	3/18/05	1610
Shipment Method: SAC - STL						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes ___ No ___ Temp Blank Yes X No ___ Cooler Temperature on Receipt 2 °F/C Trip Blank Yes X No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL S.F.
REC. BY (PRINT): L.P.
WORKORDER: M0C0632

DATE REC'D AT LAB: 3-22-05
TIME REC'D AT LAB: 10:10
DATE LOGGED IN: 3-29-05

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

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent; Intact / Broken*	01	N	EFFL	LPoly	HNO3	—	L	3-16-05	
2. Chain-of-Custody Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #: 6719 7541 3772									
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*				3-22-05					
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper Preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Temp Rec. at Lab: 2.0 C; Is temp 4 +/-2°C? Yes / No**									
(Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON ICE or Problem COC									

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

SEVERN TRENT STL

Submission#: 2005-02-0557

URS-Oakland, CA

March 22, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015
Project: BP Facility No.: 608
Site: 17601 Hesperian Blvd, San Lorenzo, CA

Attached is our report for your samples received on 02/17/2005 13:30
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 04/03/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

URS-Oakland, CA

March 22, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015
Project: BP Facility No.: 608
Site: 17601 Hesperian Blvd, San Lorenzo, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Thursday, February 17, 2005 1:30 PM.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	

INF 2005020557 001

Analysis Comment

Siloxane peaks were found in the sample, which are not believed to be gas related. If
they were to be quantified, the concentration would be 64 ug/L.

EFFL 2005020557 004

Analysis Comment

Siloxane peaks were found in the sample, which are not believed to be gas related. If
they were to be quantified, the concentration would be 56 ug/L.

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200502231A65

INF 2005020557 001

Compound Flag(s)

LW Quantit. of unknown hydrocarbon(s) in sample based on gasoline

EFFL 2005020557 004

Compound Flag(s)

LW Quantit. of unknown hydrocarbon(s) in sample based on gasoline

SEVERN TRENT STL

Submission: 2005-02-0557

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	02/16/2005 13:00	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	**EFFL**	Lab ID:	2005-02-0557 - 4
Sampled:	02/16/2005 13:00	Extracted:	2/22/2005 14:06
Matrix:	Water	QC Batch#:	2005/02/22-03.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	20	mg/L	1.00	02/23/2005 06:02	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2
Method Blank
MB: 2005/02/22-03.29-001

Water

Test(s): 160.2
QC Batch # 2005/02/22-03.29
Date Extracted: 02/22/2005 14:06

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	20	mg/L	02/23/2005 05:57	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2005/02/22-03.29**

LCS 2005/02/22-03.29-002 Extracted: 02/22/2005 Analyzed: 02/23/2005 05:59
LCSD 2005/02/22-03.29-003 Extracted: 02/22/2005 Analyzed: 02/23/2005 05:59

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	988	993	1000	98.8	99.3	0.5	80-120	20		

SEVERN TRENT STL

Submission: 2005-02-0557

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	02/16/2005 13:20	Water	1
MID-1	02/16/2005 13:15	Water	2
MID-2	02/16/2005 13:10	Water	3
EFFL	02/16/2005 13:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s): 5030B
Sample ID: **INF**
Sampled: 02/16/2005 13:20
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0557 - 1
Extracted: 2/23/2005 18:35
QC Batch#: 2005/02/23-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	02/23/2005 18:35	LW
Benzene	ND	0.50	ug/L	1.00	02/23/2005 18:35	
Toluene	ND	0.50	ug/L	1.00	02/23/2005 18:35	
Ethylbenzene	ND	0.50	ug/L	1.00	02/23/2005 18:35	
Total xylenes	ND	1.0	ug/L	1.00	02/23/2005 18:35	
Methyl tert-butyl ether (MTBE)	29	0.50	ug/L	1.00	02/23/2005 18:35	
Surrogate(s)						
1,2-Dichloroethane-d4	114.4	73-130	%	1.00	02/23/2005 18:35	
Toluene-d8	93.9	81-114	%	1.00	02/23/2005 18:35	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-1**	Lab ID:	2005-02-0557 - 2
Sampled:	02/16/2005 13:15	Extracted:	2/23/2005 19:01
Matrix:	Water	QC Batch#:	2005/02/23-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	02/23/2005 19:01	
Benzene	ND	0.50	ug/L	1.00	02/23/2005 19:01	
Toluene	ND	0.50	ug/L	1.00	02/23/2005 19:01	
Ethylbenzene	ND	0.50	ug/L	1.00	02/23/2005 19:01	
Total xylenes	ND	1.0	ug/L	1.00	02/23/2005 19:01	
Methyl tert-butyl ether (MTBE)	2.9	0.50	ug/L	1.00	02/23/2005 19:01	
Surrogate(s)						
1,2-Dichloroethane-d4	108.1	73-130	%	1.00	02/23/2005 19:01	
Toluene-d8	96.6	81-114	%	1.00	02/23/2005 19:01	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s): 5030B
Sample ID: **MID-2**
Sampled: 02/16/2005 13:10
Matrix: Water

Test(s): 8260B
Lab ID: 2005-02-0557 - 3
Extracted: 2/23/2005 19:25
QC Batch#: 2005/02/23-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	02/23/2005 19:25	
Benzene	ND	0.50	ug/L	1.00	02/23/2005 19:25	
Toluene	ND	0.50	ug/L	1.00	02/23/2005 19:25	
Ethylbenzene	ND	0.50	ug/L	1.00	02/23/2005 19:25	
Total xylenes	ND	1.0	ug/L	1.00	02/23/2005 19:25	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/23/2005 19:25	
Surrogate(s)						
1,2-Dichloroethane-d4	107.3	73-130	%	1.00	02/23/2005 19:25	
Toluene-d8	101.7	81-114	%	1.00	02/23/2005 19:25	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**EFFL**	Lab ID:	2005-02-0557 - 4
Sampled:	02/16/2005 13:00	Extracted:	2/23/2005 17:18
Matrix:	Water	QC Batch#:	2005/02/23-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	02/23/2005 17:18	LW
Benzene	ND	0.50	ug/L	1.00	02/23/2005 17:18	
Toluene	ND	0.50	ug/L	1.00	02/23/2005 17:18	
Ethylbenzene	ND	0.50	ug/L	1.00	02/23/2005 17:18	
Total xylenes	ND	1.0	ug/L	1.00	02/23/2005 17:18	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/23/2005 17:18	
Surrogate(s)						
1,2-Dichloroethane-d4	103.9	73-130	%	1.00	02/23/2005 17:18	
Toluene-d8	93.0	81-114	%	1.00	02/23/2005 17:18	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/02/23-1A.65-031

Water

Test(s): 8260B
QC Batch # 2005/02/23-1A.65
Date Extracted: 02/23/2005 16:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/23/2005 16:31	
Benzene	ND	0.5	ug/L	02/23/2005 16:31	
Toluene	ND	0.5	ug/L	02/23/2005 16:31	
Ethylbenzene	ND	0.5	ug/L	02/23/2005 16:31	
Total xylenes	ND	1.0	ug/L	02/23/2005 16:31	
Surrogates(s)					
1,2-Dichloroethane-d4	106.6	73-130	%	02/23/2005 16:31	
Toluene-d8	98.4	81-114	%	02/23/2005 16:31	
GRO (C4-C12)	ND	50	ug/L	02/23/2005 16:31	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/23-1A.65**

LCS 2005/02/23-1A.65-006 Extracted: 02/23/2005 Analyzed: 02/23/2005 16:06
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.6		25	86.4			65-165	20		
Benzene	21.8		25	87.2			69-129	20		
Toluene	22.3		25	89.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	442		500	88.4			73-130			
Toluene-d8	495		500	99.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/23-1A.65**

EFFL >> MS

Lab ID: 2005-02-0557 - 004

MS: 2005/02/23-1A.65-044 Extracted: 02/23/2005 Analyzed: 02/23/2005 17:44
Dilution: 1.00

MSD: 2005/02/23-1A.65-008 Extracted: 02/23/2005 Analyzed: 02/23/2005 18:08
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	28.4	28.5	ND	25	113.6	114.0	0.4	65-165	20		
Benzene	26.5	26.4	ND	25	106.0	105.6	0.4	69-129	20		
Toluene	27.2	26.6	ND	25	108.8	106.4	2.2	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	443	434		500	88.6	86.8		73-130			
Toluene-d8	501	507		500	100.2	101.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP Facility No.: 608

Received: 02/17/2005 13:30

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Legend and Notes

Sample Comment

Lab ID: 2005-02-0557 -1

Siloxane peaks were found in the sample, which are not believed to be gas related. If they were to be quantified, the concentration would be 64 ug/L.

Lab ID: 2005-02-0557 -4

Siloxane peaks were found in the sample, which are not believed to be gas related. If they were to be quantified, the concentration would be 56 ug/L.

Result Flag

LW

Quantit. of unknown hydrocarbon(s) in sample based on gasoline

2005-02-0557

101979 Page 1 of 1

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation / Environmental
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 3/2/05

On-site Time:	1230 Temp: 59
Off-site Time:	Temp:
Sky Conditions:	Over Cast
Meteorological Events:	None
Wind Speed:	n/a Direction: n/a

Lab Name:	STL-SF (Pleasanton)	BP/AR Facility No.: 608		Consultant/Contractor:	URS Oakland
Address:	1220 Quarry Lane	BP/AR Facility Address:	17601 Hesparian Blvd, San Lorenzo, CA	Address:	1333 Broadway, #800
	Pleasanton, CA 94566	Site Lat/Long:			Oakland, CA 94612
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T0000100085	Consultant/Contractor Project No.:	38487015
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.:	38487015	Consultant/Contractor PM:	Scott Robinson
BP/AR PM Contact:	Paul Supple	Provision or RCOP (circle one)		Tele/Fax:	510-893-3600/510-874-3268
Address:	P.O. Box 6549	Phase/WBS:		Report Type & QC Level:	Normal
	Moraga, CA 94570	Sub Phase/Task:		Email EDD:	scott.robinson and michael_greenberg_@urscorp.com
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:		Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Preservative:	Requested Analysis: BTEX 8021	Requested Analysis: BTEX/TPH	Requested Analysis: BTEX/Oxy/TPH	Requested Analysis: EPA 8260	Requested Analysis: EPA 8270	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Requested Analysis:	Requested Analysis:	Requested Analysis:	Sample Point Lat/Long and Comment
1	INF	1320	2/16		X			3				X					X								
2	MID-1	1315	2/16		X			3				X					X								
3	MID-2	1310	2/16		X			3				X					X								
4	EFFL	1300	2/16		X			6				X					X								
5	EFFL	1300	2/16		X			1		X										X					NO EDF
6	EFFL	1300	2/16		X			1	X												X				
7	Trip blank	1230	2/16		X			3				X			4	0	C	D							on hold
8																									
9																									
10																									

Sampler's Name:	Courtney Bradshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	URS Corporation		2/16/05	1200		2/16/05	1200
Shipment Date:	2/17/05		2/17/05	1330		2/17/05	1330
Shipment Method:	STL - STL						
Shipment Tracking No:							

Special Instructions: GRO, BTEX & MTBE by EPA Method 8260B

Custody Seals In Place Yes No Temp Blank Yes No x Cooler Temperature on Receipt 2 °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

Sequoia
Analytical

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

2 March, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOB0563

Enclosed are the results of analyses for samples received by the laboratory on 02/19/05 10:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOB0563
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/02/05 08:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOB0563-01	Water	02/16/05 13:00	02/19/05 10:10

These samples were received with no custody seals.

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOB0563
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/02/05 08:34

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOB0563-01) Water	**Sampled: 02/16/05 13:00**	**Received: 02/19/05 10:10**							
Chemical Oxygen Demand	ND	30000	ug/l	1	5C01023	03/01/05	03/01/05	EPA 410.4	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOB0563
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/02/05 08:34

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5C01023 - General Preparation / EPA 410.4										
Blank (5C01023-BLK1)				Prepared & Analyzed: 03/01/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5C01023-BS1)				Prepared & Analyzed: 03/01/05						
Chemical Oxygen Demand	85000	30000	ug/l	100000		85	80-124			
Matrix Spike (5C01023-MS1)	**Source: MOB0376-03**			Prepared & Analyzed: 03/01/05						
Chemical Oxygen Demand	260000	33000	ug/l	111000	160000	90	80-124			
Matrix Spike Dup (5C01023-MSD1)	**Source: MOB0376-03**			Prepared & Analyzed: 03/01/05						
Chemical Oxygen Demand	268000	33000	ug/l	111000	160000	97	80-124	3	23	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOB0563
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	03/02/05 08:34

Notes and Definitions

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

SEVERN TRENT **STL**

Chain of Custody

Date Shipped: 2/17/2005

2005-02-0557 - 1

From:

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

MOB0563

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

To:

Sequoia-Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: (408) 776-9600 Ext:
Fax: (408) 782-6308
Contact: Sample Receiving
Phone: (408) 776-9600 Ext:

CL Submission #: 2005-02-0557
CL PO #:

Project #: 38487015
Project Name: Northern California BP waters

Client Sample ID		Collection Date/Time	Sample Matrix	
EFFL	4	2/16/2005 1:00:00PM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 14:30	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 2/18/05	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time:	Signature: Time:	Signature: Time:
Printed Name: Diamond Date: 2/19/05 10:10	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Company:

2005-02-0557

101979 Page 1 of 1

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation / Environmental
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 3/2/05

On-site Time:	1230 Temp: 59
Off-site Time:	Temp:
Sky Conditions:	Overcast
Meteorological Events:	None
Wind Speed:	n/a Direction: n/a

Lab Name:	STL-SF (Pleasanton)
Address:	1220 Quarry Lane
	Pleasanton, CA 94566
Lab PM:	Afsaneh Salimpour
Tele/Fax:	925.484.1919/925.484.1096
BP/AR PM Contact:	Paul Supple
Address:	P.O. Box 6549
	Moraga, CA 94570
Tele/Fax:	925.299.8891/925.299.8872
Lab Bottle Order No:	

BP/AR Facility No.: 608	
BP/AR Facility Address: 17601 Hesperian Blvd, San Lorenzo, CA	
Site Lat/Long:	
California Global ID No.: T0000100085	
Enfos Project No.: 38487015	
Provision or RCOP (circle one)	
Phase/WBS:	
Sub Phase/Task:	
Cost Element:	

Consultant/Contractor:	URS Oakland
Address:	1333 Broadway, #800
	Oakland, CA 94612
Consultant/Contractor Project No.: 38487015	
Consultant/Contractor PM:	Scott Robinson
Tele/Fax:	510-893-3600/510-874-3268
Report Type & QC Level:	Normal
Email EDD: scott.robinson and michael_greenberg, @urscorp.com	
Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)	

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX 8021	Requested Analysis: BTEX/TPH	Requested Analysis: BTEX/Oxy/TPH	Requested Analysis: EPA 8260	Requested Analysis: EPA 8270	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comment
																					MOB0563
1	INF	1320	2/16		X			3				X				X					
2	MID-1	1315	2/16		X			3				X				X					
3	MID-2	1310	2/16		X			3				X				X					
4	EFFL	1300	2/16		X			6				X				X					
5	EFFL	1300	2/16		X			1		X								X			NO EDF
6	EFFL	1300	2/16		X			1	X											X	
7	Trip blank	1230	2/16		X			3				X		40 mL	D						on hold
8																					
9																					
10																					

Sampler's Name:	George Bradshaw
Sampler's Company:	URS Corporation
Shipment Date:	2/17/05
Shipment Method:	SAL - STL
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	2/16/05	1200		2/16/05	1200
	2/17/05	1330		2/17/05	1330

Special Instructions: GRO, BTEX & MTBE by EPA Method 8260B

Custody Seals In Place Yes No Temp Blank Yes No x Cooler Temperature on Receipt 2 °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL SF
REC. BY (PRINT): TD
WORKORDER: M0D0543

DATE REC'D AT LAB: 2/19/05
TIME REC'D AT LAB: 1010
DATE LOGGED IN: 2-22-05

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

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*	01		2005-02-0547	500mL P/H	H_2SO_4	—	W	2/16/05	
2. Chain-of-Custody	Present / Absent*									
3. Traffic Reports or Packing List:	Present / Absent									
4. Airbill:	Airbill / Sticker Present / Absent									
5. Airbill #:										
6. Sample Labels:	Present / Absent									
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody									
8. Sample Condition:	Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*									
10. Sample received within hold time?	Yes / No*									
11. Adequate sample volume received?	Yes / No*									
12. Proper Preservatives used?	Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No*									
14. Temp Rec. at Lab: 4.7 Is temp 4 +/-2°C?	Yes / No**									

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

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

SEVERN TRENT STL

Submission#: 2005-01-0557

URS-Oakland, CA

February 04, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015
Project: BP 608
Site: 17601 Hesparian Blvd, San Lorenzo, CA

Attached is our report for your samples received on 01/21/2005 13:00
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 03/07/2005 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#: 2005-01-0557

URS-Oakland, CA

February 04, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015
Project: BP 608
Site: 17601 Hesparian Blvd, San Lorenzo, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Friday, January 21, 2005 1:00 PM.

SEVERN TRENT STL

Submission: 2005-01-0557

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	01/19/2005 12:30	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	EFFL	Lab ID:	2005-01-0557 - 4
Sampled:	01/19/2005 12:30	Extracted:	1/25/2005 10:31
Matrix:	Water	QC Batch#:	2005/01/25-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	01/26/2005 09:03	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Batch QC Report

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

Method Blank **Water** **QC Batch # 2005/01/25-01.29**

MB: 2005/01/25-01.29-001 Date Extracted: 01/25/2005 10:31

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	01/26/2005 09:01	

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2005/01/25-01.29**

LCS 2005/01/25-01.29-002 Extracted: 01/25/2005 Analyzed: 01/26/2005 09:02
LCSD 2005/01/25-01.29-003 Extracted: 01/25/2005 Analyzed: 01/26/2005 09:02

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	1010	1020	1000	101.0	102.0	1.0	80-120	20		

SEVERN TRENT STL

Submission: 2005-01-0557

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	01/19/2005 12:50	Water	1
MID-1	01/19/2005 12:45	Water	2
MID-2	01/19/2005 12:40	Water	3
EFFL	01/19/2005 12:30	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Prep(s): 5030B
Sample ID: INF
Sampled: 01/19/2005 12:50
Matrix: Water

Test(s): 8260B
Lab ID: 2005-01-0557 - 1
Extracted: 1/27/2005 01:27
QC Batch#: 2005/01/26-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	84	50	ug/L	1.00	01/27/2005 01:27	
Benzene	ND	0.50	ug/L	1.00	01/27/2005 01:27	
Toluene	ND	0.50	ug/L	1.00	01/27/2005 01:27	
Ethylbenzene	ND	0.50	ug/L	1.00	01/27/2005 01:27	
Total xylenes	ND	1.0	ug/L	1.00	01/27/2005 01:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/27/2005 01:27	
Methyl tert-butyl ether (MTBE)	19	0.50	ug/L	1.00	01/27/2005 01:27	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/27/2005 01:27	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/27/2005 01:27	
tert-Amyl methyl ether (TAME)	0.71	0.50	ug/L	1.00	01/27/2005 01:27	
Surrogate(s)						
1,2-Dichloroethane-d4	106.5	73-130	%	1.00	01/27/2005 01:27	
Toluene-d8	101.3	81-114	%	1.00	01/27/2005 01:27	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 01/19/2005 12:45
Matrix: Water

Test(s): 8260B
Lab ID: 2005-01-0557 - 2
Extracted: 1/25/2005 16:12
QC Batch#: 2005/01/25-1D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	01/25/2005 16:12	
Benzene	ND	0.50	ug/L	1.00	01/25/2005 16:12	
Toluene	ND	0.50	ug/L	1.00	01/25/2005 16:12	
Ethylbenzene	ND	0.50	ug/L	1.00	01/25/2005 16:12	
Total xylenes	ND	1.0	ug/L	1.00	01/25/2005 16:12	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/25/2005 16:12	
Methyl tert-butyl ether (MTBE)	2.2	0.50	ug/L	1.00	01/25/2005 16:12	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/25/2005 16:12	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/25/2005 16:12	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/25/2005 16:12	
Surrogate(s)						
1,2-Dichloroethane-d4	118.2	73-130	%	1.00	01/25/2005 16:12	
Toluene-d8	107.6	81-114	%	1.00	01/25/2005 16:12	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MID-2**	Lab ID:	2005-01-0557 - 3
Sampled:	01/19/2005 12:40	Extracted:	1/25/2005 16:30
Matrix:	Water	QC Batch#:	2005/01/25-1D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	01/25/2005 16:30	
Benzene	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Toluene	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Ethylbenzene	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Total xylenes	ND	1.0	ug/L	1.00	01/25/2005 16:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/25/2005 16:30	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/25/2005 16:30	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/25/2005 16:30	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Surrogate(s)						
1,2-Dichloroethane-d4	119.9	73-130	%	1.00	01/25/2005 16:30	
Toluene-d8	106.9	81-114	%	1.00	01/25/2005 16:30	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2005-01-0557 - 4
Sampled:	01/19/2005 12:30	Extracted:	1/25/2005 16:49
Matrix:	Water	QC Batch#:	2005/01/25-1D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	01/25/2005 16:49	
Benzene	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Toluene	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Ethylbenzene	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Total xylenes	ND	1.0	ug/L	1.00	01/25/2005 16:49	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/25/2005 16:49	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/25/2005 16:49	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/25/2005 16:49	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Surrogate(s)						
1,2-Dichloroethane-d4	119.2	73-130	%	1.00	01/25/2005 16:49	
Toluene-d8	107.8	81-114	%	1.00	01/25/2005 16:49	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/01/25-1D.69**

MB: 2005/01/25-1D.69-017 — Date Extracted: 01/25/2005 09:17

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/25/2005 09:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/25/2005 09:17	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	01/25/2005 09:17	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	01/25/2005 09:17	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	01/25/2005 09:17	
Benzene	ND	0.5	ug/L	01/25/2005 09:17	
Toluene	ND	0.5	ug/L	01/25/2005 09:17	
Ethylbenzene	ND	0.5	ug/L	01/25/2005 09:17	
Total xylenes	ND	1.0	ug/L	01/25/2005 09:17	
Surrogates(s)					
1,2-Dichloroethane-d4	98.0	73-130	%	01/25/2005 09:17	
Toluene-d8	97.8	81-114	%	01/25/2005 09:17	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/01/26-2B.69-042

Water

Test(s): 8260B
QC Batch # 2005/01/26-2B.69
Date Extracted: 01/26/2005 18:44

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/26/2005 18:44	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/26/2005 18:44	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	01/26/2005 18:44	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	01/26/2005 18:44	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	01/26/2005 18:44	
Benzene	ND	0.5	ug/L	01/26/2005 18:44	
Toluene	ND	0.5	ug/L	01/26/2005 18:44	
Ethylbenzene	ND	0.5	ug/L	01/26/2005 18:44	
Total xylenes	ND	1.0	ug/L	01/26/2005 18:44	
Surrogates(s)					
1,2-Dichloroethane-d4	96.6	73-130	%	01/26/2005 18:44	
Toluene-d8	100.0	81-114	%	01/26/2005 18:44	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2005/01/25-1D.69**

LCS 2005/01/25-1D.69-058 | Extracted: 01/25/2005 | Analyzed: 01/25/2005 08:58

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.9		25	103.6			65-165	20		
Benzene	24.7		25	98.8			69-129	20		
Toluene	23.2		25	92.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	455		500	91.0			73-130			
Toluene-d8	475		500	95.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/01/26-2B.69

LCS 2005/01/26-2B.69-025

Extracted: 01/26/2005

Analyzed: 01/26/2005 18:25

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	19.8		25	79.2			65-165	20		
Benzene	24.1		25	96.4			69-129	20		
Toluene	24.3		25	97.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471		500	94.2			73-130			
Toluene-d8	524		500	104.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/01/25-1D.69**

MS/MSD

Lab ID: 2005-01-0520 - 001

MS: 2005/01/25-1D.69-016 Extracted: 01/25/2005 Analyzed: 01/25/2005 10:17

Dilution: 1.00

MSD: 2005/01/25-1D.69-036 Extracted: 01/25/2005 Analyzed: 01/25/2005 10:36

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	25.7	ND	25	95.2	102.8	7.7	65-165	20		
Benzene	23.2	23.0	ND	25	92.8	92.0	0.9	69-129	20		
Toluene	24.1	24.6	ND	25	96.4	98.4	2.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	538	542		500	107.6	108.4		73-130			
Toluene-d8	538	526		500	107.6	105.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesparian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/01/26-2B.69**

MS/MSD

Lab ID: 2005-01-0562 - 005

MS: 2005/01/26-2B.69-010 Extracted: 01/26/2005 Analyzed: 01/26/2005 20:10

Dilution: 1.00

MSD: 2005/01/26-2B.69-028 Extracted: 01/26/2005 Analyzed: 01/26/2005 20:28

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	21.9	25.3	4.88	25	68.1	81.7	18.2	65-165	20		
Benzene	18.2	20.4	ND	25	72.8	81.6	11.4	69-129	20		
Toluene	19.5	21.3	ND	25	78.0	85.2	8.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	480	501		500	96.0	100.2		73-130			
Toluene-d8	495	508		500	99.0	101.6		81-114			

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2005- 01 - 0557

Checklist completed by: (initials) MM Date: 01/32/05

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: 2°C	Yes ✓	No____

Potential reason for > 6°C - Ice melted ☐ Ice in bags ☐ Not enough ice ☐ Not enough blue ice ☐ Samples in boxes ☐

Sampled<4hr. ago? ☐ Ice not required (e.g. air or bulk sample) ☐

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: Mid-1 1 VOA w/ sml bubble - INF 1 VOA w/ sml bubble - Triplblanks 1 vial w/ sml bubble. received 2 tripblanks.

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

Project Manager: (initials) _____ Date: ____/____/05

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

2005-01-0557

97649

bp

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation / Environmental
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 2/2/05

On-site Time:	1200	Temp:	60
Off-site Time:	1330	Temp:	60
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	n/a	Direction:	n/a

Lab Name: STL-SF (Pleasanton)	BP/AR Facility No.: 608	Consultant/Contractor: URS Oakland	
Address: 1220 Quarry Lane	BP/AR Facility Address: 17601 Hesparian Blvd, San Lorenzo, CA	Address: 1333 Broadway, #800	
Pleasanton, CA 94566	Site Lat/Long:	Oakland, CA 94612	
Lab PM: Afsaneh Salimpour	California Global ID No.: T0600100085	Consultant/Contractor Project No.: 38487015	
Tele/Fax: 925.484.1919/925.484.1096	Enfos Project No.: 38487015	Consultant/Contractor PM: Scott Robinson	
BP/AR PM Contact: Paul Supple	Provision or RCOP (circle one)	Tele/Fax: 510-893-3600/510-874-3268	
Address: P.O. Box 6549	Phase/WBS:	Report Type & QC Level: Normal	
Moraga, CA 94570	Sub Phase/Task:	Email EDD: scott.robinson and michael_greenberg, @urscorp.com	
Tele/Fax: 925.299.8891/925.299.8872	Cost Element:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)	

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analysis: BTEX 8021	BTEX/TPH	BTEX/Oxy/TPH	EPA 8260	EPA 8270	COD (410.4)	TSS (160.2)				Sample Point Lat/Long and Comment
1	INF	1250	1/19		X			3				X					X								
2	MID-1	1245	1/19		X			3				X					X								
3	MID-2	1240	1/19		X			3				X					X								
4	EFFL	1230	1/19		X			3				X					X								
5	EFFL	1230	1/19		X			1		X										X					NO EDF
6	EFFL	1230	1/19		X			1	X												X				
7	Trip blank	1200	1/19		X																				on hold
8																									
9																									
10																									

Sampler's Name: George Bradshaw
Sampler's Company: URS Corporation
Shipment Date: 1/20/05
Shipment Method:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	1/20/05	1620	[signature] STL-SAC	1-20-05	1615
[signature] STL-SAC	1/21/05	0950	[signature]	01/21/05	0950
[signature]	01/21/05	1300	[signature] / STL-SF	1/21/05	1300

Special Instructions: GRO, BTEX & MTBE by EPA Method 8260B

Custody Seals In Place Yes No Temp Blank Yes No x Cooler Temperature on Receipt 2 °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

2005-03-0650

bp Chain of Custody Record

103629 Page 1 of 1

Project Name: Station 608 - O&M - Remediation
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 4/1/05
(14- day TAT)

On-site Time:	1230	Temp:	72
Off-site Time:	1330	Temp:	72
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	n/a	Direction:	n/a

Lab Name: STL-SF (Pleasanton)		BP/AR Facility No.:	Station 608
Address:	1220 Quarry Lane	BP/AR Facility Address:	17601 Hesperian Blvd, San Lorenzo
	Pleasanton CA	Site Lat/Long:	
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T0000100085
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.:	G0C24-0005
BP/AR PM Contact:	Paul Supple	Provision or RCOP :	Provision
Address:	P.O. Box 6549	Phase/WBS:	03 - O&M
	Moraga CA 94570	Sub Phase/Task:	03 - Analytical
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:	05 - Subcontractor Costs

Consultant/Contractor:	URS Oakland		
Address:	1333 Broadway, Suite 800		
	Oakland CA 94612		
Consultant/Contractor Project No.:	38487015		
Consultant/Contractor PM:	Scott Robinson		
Tele/Fax:	510.893.3600/510.874.3268		
Report Type & QC Level:	Level 1 and EDF		
E-mail EDD To:	Donna_Cosper@urscorp.com		
Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)		

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX/Oxy-TPH (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comments
1	INF	1220	3/16		X			3				X		X			
2	MID-1	1315	3/16		X			3				X		X			
3	MID-2	1310	3/16		X			3				X		X			
4	EFFL	1300	3/16		X			3				X		X			
5	EFFL	1300	3/16		X			1	X							X	
6	EFFL	1300	3/16		X			1		X					X		
7	TRIP BLANK	1230	3/16		X			3				X					on hold
8																	
9																	
10																	

Sampler's Name:	Donna Cosper	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	URS Corp		3/16/05	1800		3-17-05	1300
Shipment Date:	3/17/05		3/17/05	1115		3-18-05	1115
Shipment Method:	Sac - STL		3-18-05	1610		3/18/05	1610
Shipment Tracking No:							

Special Instructions:

Custody Seals In Place Yes No Temp Blank Yes X No Cooler Temperature on Receipt 2 °F (C) Trip Blank Yes X No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/03/29-1B.64**

LCS 2005/03/29-1B.64-023 Extracted: 03/29/2005 Analyzed: 03/29/2005 07:23
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.8		25	83.2			75-125	20		
Benzene	21.2		25	84.8			76-124	20		
Toluene	23.0		25	92.0			80-120	20		
Surrogates(s)										
1,2-Dichloroethane-d4	467		500	93.4			73-130			
Toluene-d8	524		500	104.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/03/29-2B.64**

LCS 2005/03/29-2B.64-038 Extracted: 03/29/2005 Analyzed: 03/29/2005 18:38
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.6		25	94.4			75-125	20		
Benzene	25.3		25	101.2			76-124	20		
Toluene	27.2		25	108.8			80-120	20		
Surrogates(s)										
1,2-Dichloroethane-d4	459		500	91.8			73-130			
Toluene-d8	510		500	102.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/03/29-1B.64**

MS/MSD

Lab ID: 2005-03-0757 - 002

MS: 2005/03/29-1B.64-008 Extracted: 03/29/2005 Analyzed: 03/29/2005 09:08
Dilution: 1.00

MSD: 2005/03/29-1B.64-030 Extracted: 03/29/2005 Analyzed: 03/29/2005 09:30
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	23.7	27.3	ND	25	94.8	109.2	14.1	75-125	20		
Benzene	25.2	29.0	ND	25	100.8	116.0	14.0	76-124	20		
Toluene	26.7	31.6	ND	25	106.8	126.4	16.8	80-120	20		LM,AY
Surrogate(s)											
1,2-Dichloroethane-d4	483	483		500	96.6	96.6		73-130			
Toluene-d8	520	527		500	104.0	105.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/03/29-2B.64**

MS/MSD

Lab ID: 2005-03-0659 - 001

MS: 2005/03/29-2B.64-058 Extracted: 03/29/2005 Analyzed: 03/29/2005 20:58
Dilution: 1.00

MSD: 2005/03/29-2B.64-020 Extracted: 03/29/2005 Analyzed: 03/29/2005 21:20
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	26.5	28.0	ND	25	106.0	112.0	5.5	75-125	20		
Benzene	26.6	27.3	ND	25	106.4	109.2	2.6	76-124	20		
Toluene	29.2	30.5	ND	25	116.8	122.0	4.4	80-120	20		LM,AY
Surrogate(s)											
1,2-Dichloroethane-d4	483	486		500	96.6	97.2		73-130			
Toluene-d8	512	510		500	102.4	102.0		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 03/18/2005 16:10

Site: 17601 Hesperian Blvd., San Lorenzo

Legend and Notes

Result Flag

LM,AY

LM=MS and/or MSD above acceptance limits. See Blank Spike(LCS).

LW

Quantit. of unknown hydrocarbon(s) in sample based on gasoline

Sequoia
Analytical

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

1 February, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOA0783

Enclosed are the results of analyses for samples received by the laboratory on 01/26/05 08:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOA0783
1333 Broadway, Suite 800	Project Number:38487015	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	02/01/05 18:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOA0783-01	Water	01/19/05 12:30	01/26/05 08:55

These samples were received with no custody seals.

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOA0783
1333 Broadway, Suite 800	Project Number:38487015	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	02/01/05 18:37

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOA0783-01) Water	**Sampled: 01/19/05 12:30**	**Received: 01/26/05 08:55**							
Chemical Oxygen Demand	ND	30000	ug/l	1	5B01037	02/01/05	02/01/05	EPA 410.4	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOA0783
1333 Broadway, Suite 800	Project Number:38487015	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	02/01/05 18:37

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5B01037 - General Preparation / EPA 410.4										
Blank (5B01037-BLK1)				Prepared & Analyzed: 02/01/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5B01037-BS1)				Prepared & Analyzed: 02/01/05						
Chemical Oxygen Demand	89000	30000	ug/l	100000		89	80-124			
Matrix Spike (5B01037-MS1)	**Source: MOA0783-01**			Prepared & Analyzed: 02/01/05						
Chemical Oxygen Demand	107000	33000	ug/l	111000	ND	96	80-124			
Matrix Spike Dup (5B01037-MSD1)	**Source: MOA0783-01**			Prepared & Analyzed: 02/01/05						
Chemical Oxygen Demand	98900	33000	ug/l	111000	ND	89	80-124	8	23	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOA0783
1333 Broadway, Suite 800	Project Number:38487015	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	02/01/05 18:37

Notes and Definitions

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

SEVERN TRENT **STL**

Chain of Custody

Date Shipped: 1/21/2005

2005-01-0557 - 1

From:

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

H0A0783

To:

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

MH

Project Manager:	Afsaneh Salimpour	Phone:	(707) 792-1865 Ext:
Phone: (925) 484-1919	Ext: 107	Fax:	(707) 792-0342
Fax:	(925) 484-1096	Contact:	Sample Receiving
Email:	asalimpour@stl-inc.com	Phone:	(707) 792-1865 Ext:

CL Submission #: 2005-01-0557
CL PO #:

Project #: 38487015
Project Name: Northern California BP waters

Client Sample ID	CL #	Sampled	Matrix	TAT
Analysis	Prep		Method	
EFFL	4	1/19/2005 12:30:00PM	Water	
Subcontract - COD			410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 15:00	Signature: Time:	Signature: Time:
Printed Name: Brian Thomas Date: 1/24/05	Printed Name: Date:	Printed Name: Date:
Company: SDJ-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 855	Signature: Time:	Signature: Time:
Printed Name: Pamela Date: 01/25/05	Printed Name: Date:	Printed Name: Date:
Company: Seq-MH	Company:	Company:

2005-01-0557

97649

Page 1 of 1

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation / Environmental
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 2/4/05

On-site Time:	1200	Temp:	60
Off-site Time:	1350	Temp:	60
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	n/a	Direction:	n/a

Lab Name:	STL-SF (Pleasanton)
Address:	1220 Quarry Lane
	Pleasanton, CA 94566
Lab PM:	Afsaneh Salimpour
Tele/Fax:	925.484.1919/925.484.1096
BP/AR PM Contact:	Paul Supple
Address:	P.O. Box 6549
	Moraga, CA 94570
Tele/Fax:	925.299.8891/925.299.8872

BP/AR Facility No.:	608
BP/AR Facility Address:	17600 Hesperian Blvd, San Lorenzo, CA
Site Lat/Long:	
California Global ID No.:	T0600100085
Enfos Project No.:	38487015
Provision or RCOP (circle one)	
Phase/WBS:	
Sub Phase/Task:	
Cost Element:	

Consultant/Contractor:	URS Oakland
Address:	1333 Broadway, #800
	Oakland, CA 94612
Consultant/Contractor Project No.:	38487015
Consultant/Contractor PM:	Scott Robinson
Tele/Fax:	510-893-3600/510-874-3268
Report Type & QC Level:	Normal
Email EDD:	scott.robinson and michael.greenberg_@urscorp.com
Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: BTEX 8021	BTEX/TPH	BTEX/Oxy/TPE	EPA 8260	EPA 8270	COD (410.4)	TSS (160.2)				Sample Point Lat/Long and Comment
1	INF	1350	1/19		X			3				X				X								
2	MID-1	1345	1/19		X			3				X				X								
3	MID-2	1340	1/19		X			3				X				X								
4	EFFL	1330	1/19		X			3				X				X								
5	EFFL	1330	1/19		X			1		X									X					NO EDF
6	EFFL	1330	1/19		X			1	X											X				
7	Trip blank	1200	1/19		X																			on hold
8																								
9																								
10																								

Sampler's Name:	George Brandshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	URS Corporation		1/19/05	1620			
Shipment Date:	1/19/05		1/20/05	0950			
Shipment Method:			01/20/05	1800		1/21/05	1300
Shipment Tracking No:							

Special Instructions: GRO, BTEX & MTBE by EPA Method 8260B

Custody Seals In Place Yes ___ No ___ Temp Blank Yes ___ No X Cooler Temperature on Receipt 2 °F/C Trip Blank Yes ___ No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/2/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL SF
REC. BY (PRINT): PO
WORKORDER: MOA0703

DATE REC'D AT LAB: 01/26/05
TIME REC'D AT LAB: 855
DATE LOGGED IN: 1-26-05

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

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*			EFFL	1 SLMM 1	H_2SO_4	—	W	01/19/05	
2. Chain-of-Custody	Present / Absent*									
3. Traffic Reports or Packing List:	Present / Absent									
4. Airbill:	Airbill / Sticker Present / Absent									
5. Airbill #: 01000045542736										
6. Sample Labels:	Present / Absent									
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody									
8. Sample Condition:	Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*									
10. Sample received within hold time?	Yes / No*									
11. Adequate sample volume received?	Yes / No*									
12. Proper Preservatives used?	Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) N/A	Yes / No									
14. Temp Rec. at Lab: 2.0°C Is temp 4 +/-2°C?	Yes / No**									
(Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / OFF ON ICE or Problem COC										

01/26/05

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

SRL Revision 6
Replaces Rev 5 (00/07/04)
Effective 07/13/04

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