Atlantic Richfield Company
(a BP affiliated company)

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

Alameda County
AUG 02 2005
Environmental Health

July 29, 2005

Re: Second Quarter 2005 Groundwater and
Remediation System Perfromance 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

URS

Alameda County
Environmental Health
AUG 02 2005

July 29, 2005

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

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

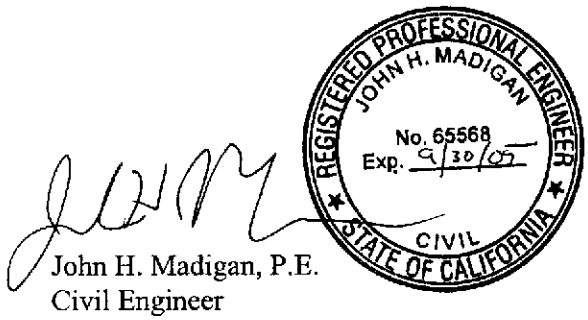
Dear Mr. Schultz:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Second 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

Scott Robinson
Project Manager



John H. Madigan, P.E.
Civil Engineer

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

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS

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

REPORT

SECOND QUARTER 2005 GROUNDWATER MONITORING & REMEDIATION SYSTEM PERFORMANCE REPORT

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

Prepared for
RM

July 29, 2005

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

Date: July 29, 2005

Quarter: 2Q 05

SECOND QUARTER 2005 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)
ACEH Case No.:			ST ID #779

WORK PERFORMED THIS QUARTER (Second – 2005):

1. Prepared and submitted First Quarter 2005 Groundwater Monitoring and Remediation System Performance Report.
2. Performed second quarter 2005 groundwater monitoring event on June 29, 2005.
3. Continued operation, maintenance and performance monitoring of the groundwater extraction and treatment (GWET) system.
4. Continued homeowner quarterly monitoring result notification program.
5. Submitted Monthly Discharge Reports to Oro Loma Sanitary District.
6. Submitted discharge permit renewal to Oro Loma Sanitary District.

WORK PROPOSED FOR NEXT QUARTER (Third – 2005):

1. Prepare and submit this Second Quarter 2005 Groundwater Monitoring and Remediation System Performance Report.
2. Perform third quarter 2005 groundwater monitoring event.
3. Continue operation, maintenance and performance monitoring of GWET system.
4. Continue homeowner quarterly monitoring result notification program.
5. 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:	8.77 feet (MW-14) to 15.13 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:	150,460		
Total Gallons of Groundwater Treated and Discharged to Date:	8,321,974		
Total Operation Hours to Date:	21,728		
Mass Removal (pounds):	Quarterly		Cumulative
GRO:	0.044		7.52
Benzene:	0.000		0.31
MTBE:	0.023		2.93
GWET System Samples Collection Dates and Effluent Results (µg/L):	04/20/05	05/18/05	06/15/05
GRO:	<50	<50	<50
Benzene:	<0.50	<0.50	<0.50
MTBE:	<0.50	<0.50	<0.50

DISCUSSION:

Methyl-tert-butyl ether was detected at or above the laboratory reporting limit in five of the six wells sampled this quarter at concentrations ranging from 1.7 micrograms per liter (µg/L) (MW-8) to 160 µg/L (MW-10). Tert-amyl methyl ether was detected at or above the laboratory reporting limit in three wells at concentrations ranging from 0.74 µg/L (E-1A) to 12 µg/L (MW-25). Tert-butyl alcohol was detected at or above the laboratory reporting limit in one well at a concentration of 110 µg/L (MW-10). Toluene was detected at or above the laboratory reporting limit in one well at a concentration of 0.91 µg/L (E-1A). No other fuel components were detected at or above their respective laboratory reporting limits in any of the six wells sampled this quarter.

Well MW-15A could not be sampled as a vehicle was parked over it all day and the vehicle owner could not be located. Domestic irrigation wells 17372VM was not sampled this quarter due to a broken pump. Domestic irrigation well 642 H was not sampled this quarter due to access issues.

From March 16, 2004 to June 15, 2005, the GWET system operated 85.6 percent of the time. During this time period, a total of 150,460 gallons of groundwater was treated and discharged. Performance data and laboratory analytical data are included in Tables 5 and 6.

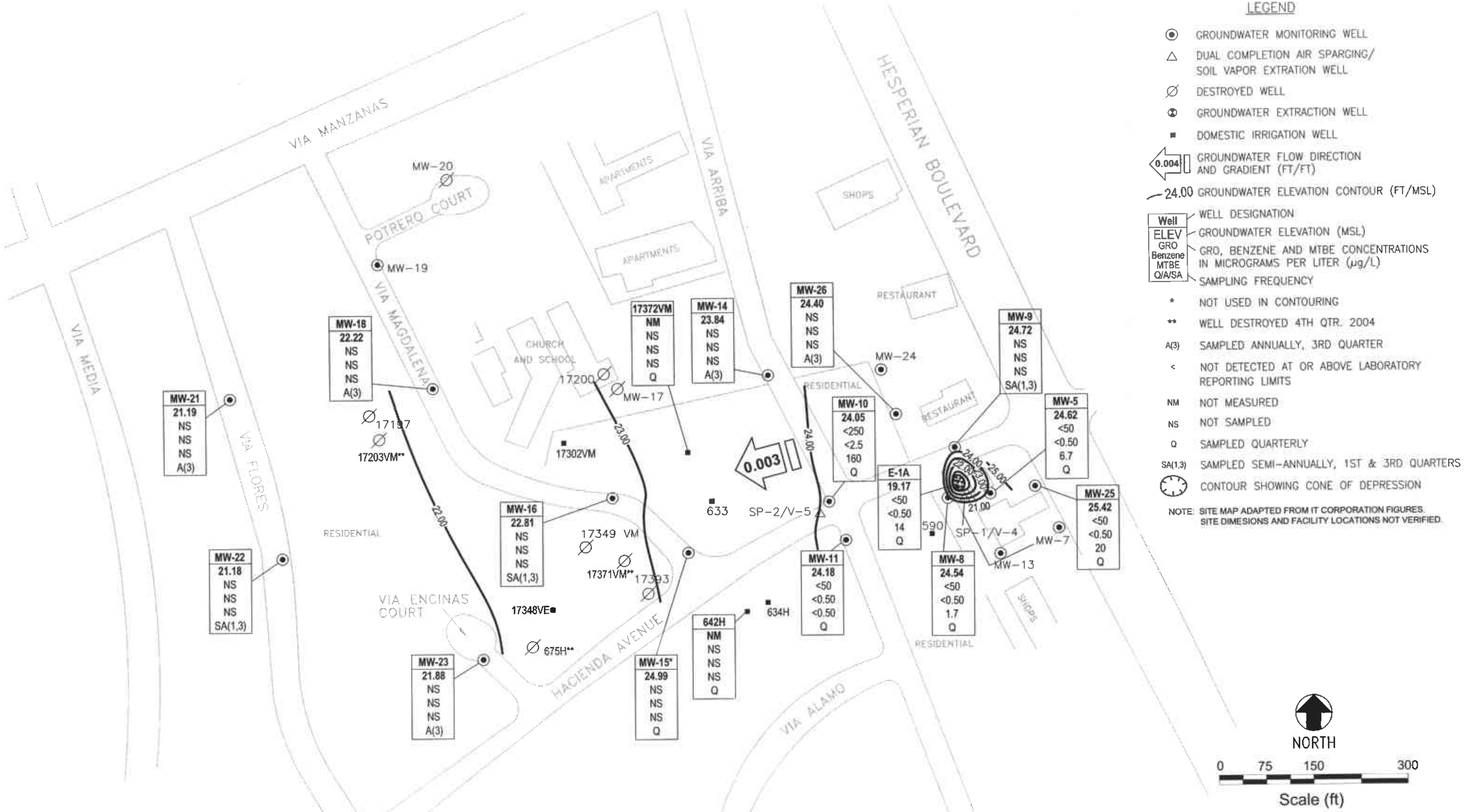
RECOMMENDATIONS:

URS recommended in the First Quarter 2005 Groundwater Monitoring Report sampling frequency reductions based on consistently low to non-detectable concentrations at or above laboratory reporting limits. Beginning with the third quarter 2005 monitoring event, the following schedule will be implemented unless the regulator indicates otherwise:

Well Number	Current	Beginning 3Q05
MW-5	Quarterly	Semiannually (1Q, 3Q)
MW-8	Quarterly	Semiannually (1Q, 3Q)
MW-9	Semiannually	Annually (3Q)
MW-11	Quarterly	Annually (3Q)
MW-15	Quarterly	Semiannually (1Q, 3Q)
MW-16	Semiannually	Annually (3Q)
MW-22	Semiannually	Annually (3Q)

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – June 29, 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
- 0.004 GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 24.00 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 Second Quarter 2005 (June 29, 2005)**	FIGURE 1

Jul 28, 2005 - 11:00am
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Drawing Name: 608-2q05-gw
Project Name: 608
Project Path: X:\x_env_waste\BP GEM\sites\LDD 2Q05\608\
Username: jktingi0

Number	Northing	Easting	Elevation	Raw Desc	Full Desc
186690	646.16	969.89	19.17	E-1A	E-1A
186691	558.68	793.05	24.18	MW-11	MW-11
186692	821.79	670.96	23.84	MW-14	MW-14
186693	628.31	421.62	22.81	MW-16	MW-16
186694	804.82	138.12	22.22	MW-18	MW-18
186695	790.43	-184.77	21.19	MW-21	MW-21
186696	535.30	-102.57	21.18	MW-22	MW-22
186697	642.21	1092.73	25.42	MW-25	MW-25
186698	758.25	873.54	24.40	MW-26	MW-26
186699	704.67	965.74	24.72	MW-9	MW-9
187955	620.18	766.39	24.05	MW-10	MW-10
187957	372.12	216.03	21.88	MW-23	MW-23
187958	624.44	954.30	24.54	MW-8	MW-8
188022	631.00	1021.34	24.62	MW-5	MW-5

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

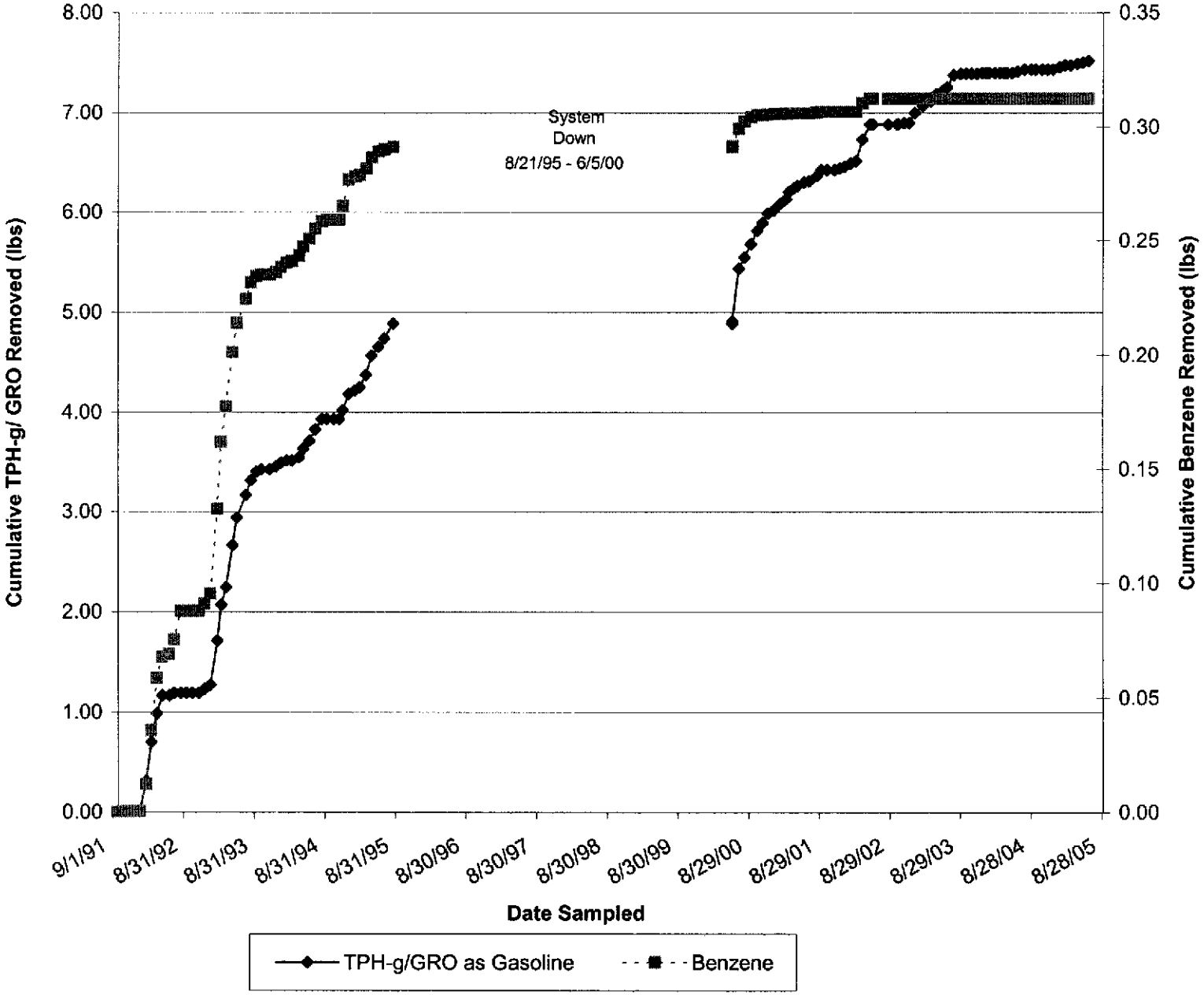

Figure 3
Groundwater Extraction System Concentration Trend
TPH-g/ GRO and Benzene

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

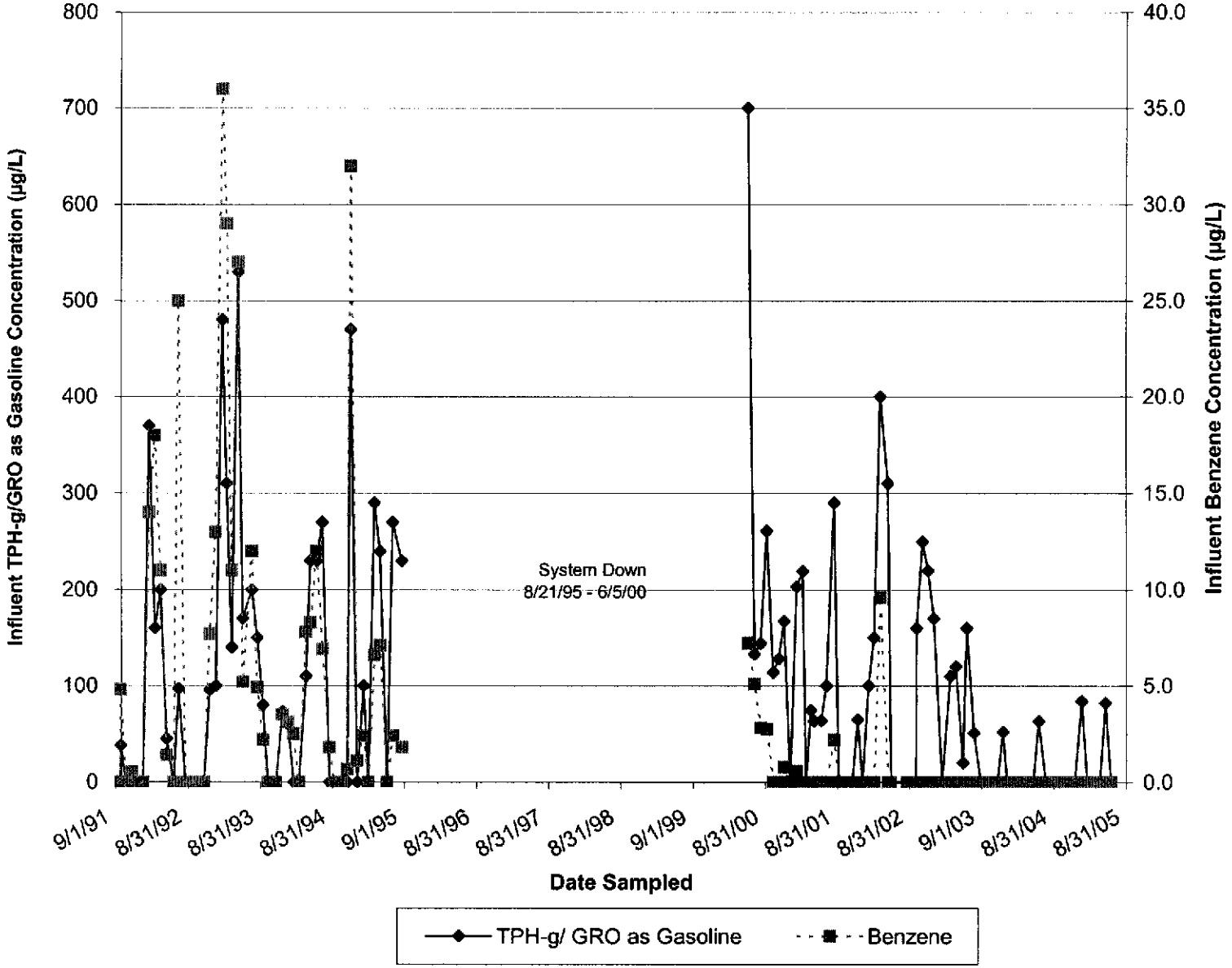

Figure 4
Groundwater Extraction System Mass Removal Trend
MtBE

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

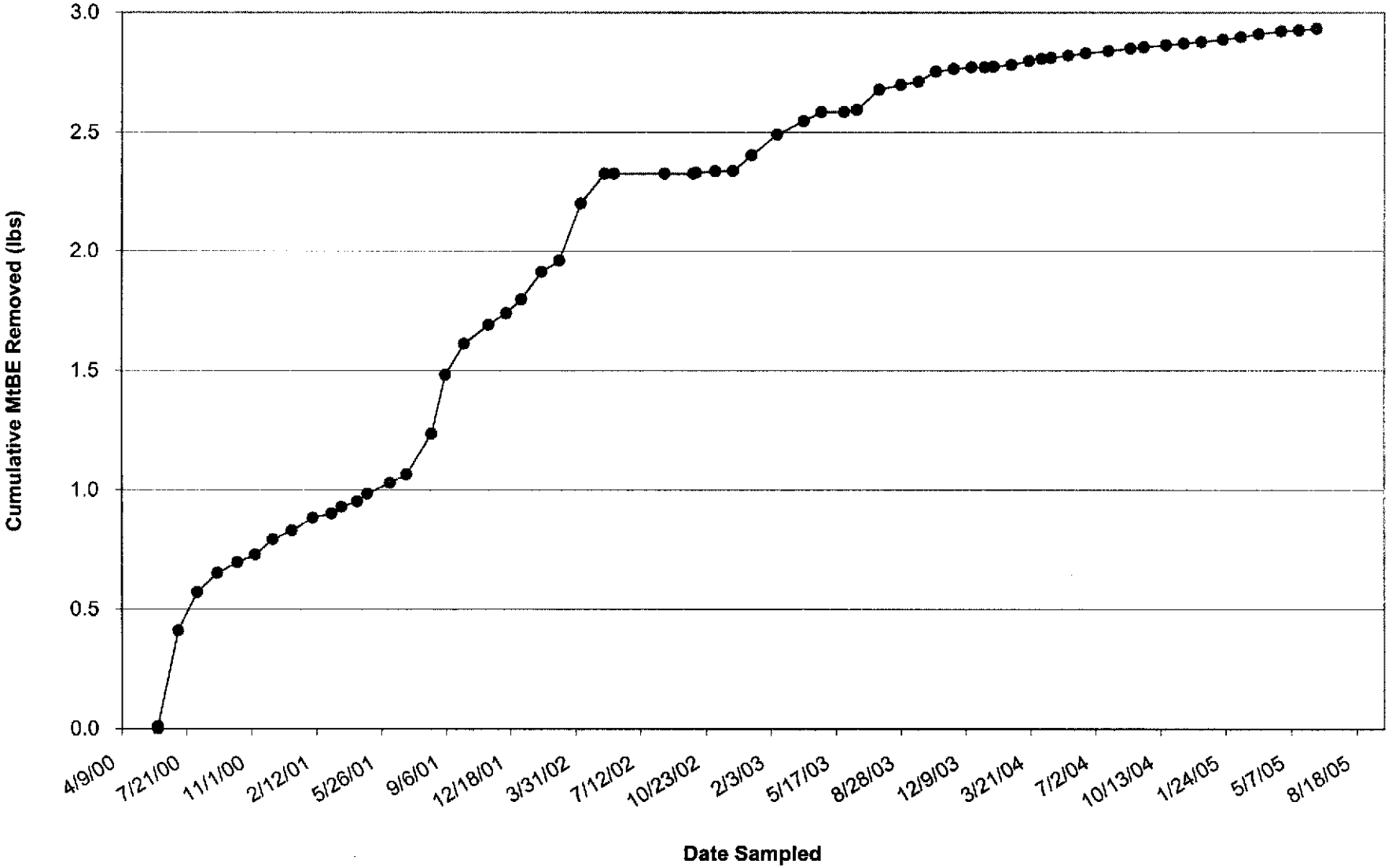

Figure 5
Groundwater Extraction System Concentration Trend
MtBE

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

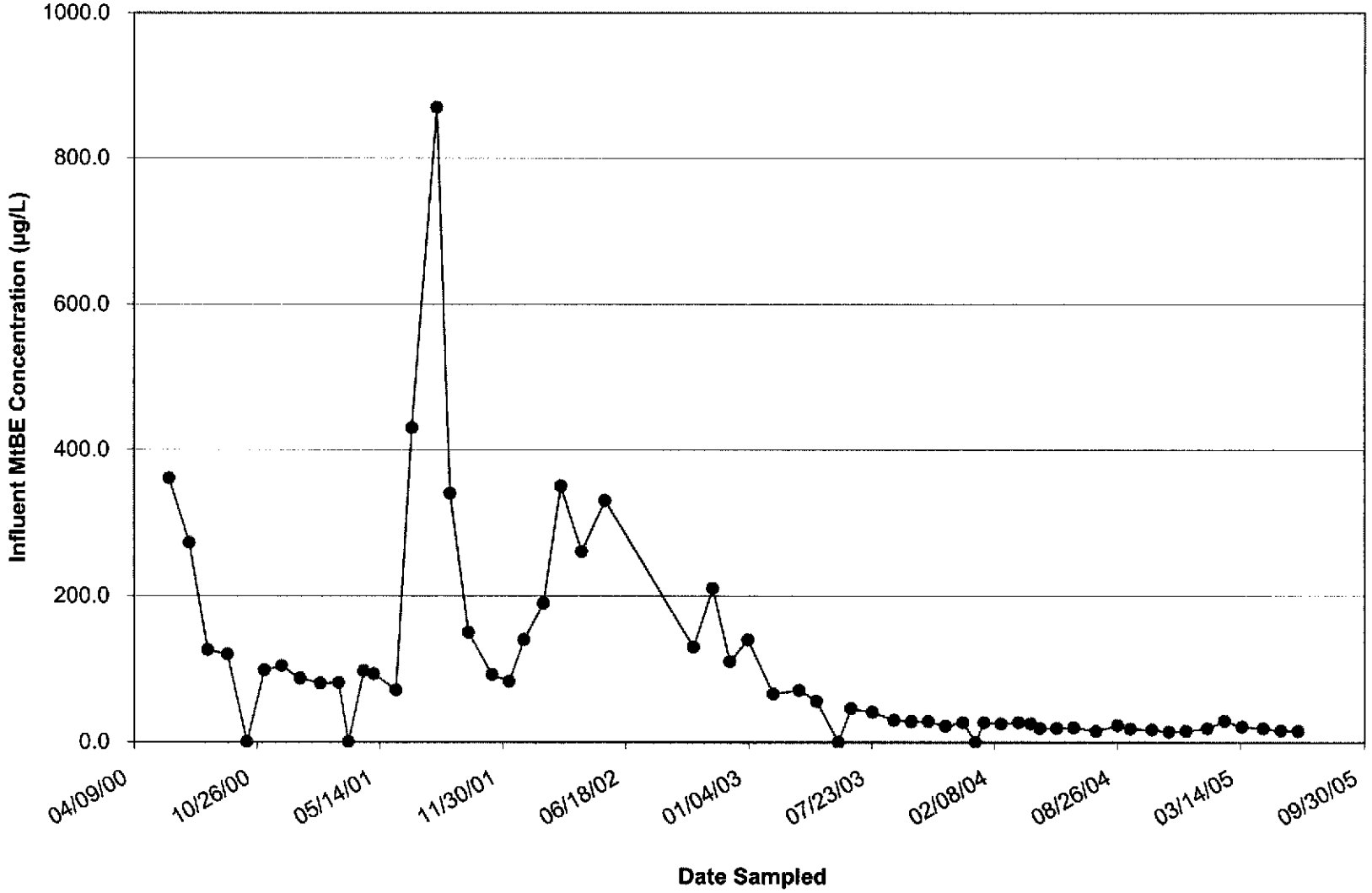

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Table 1

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	4.70	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	4.10	6.9
	09/22/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.60	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	7.50	8.0
	06/29/2005	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
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	3.20	7.1
	06/10/2004	--	n	--	--	--	--	--	--	--	--	--	--	--	7.90	--
	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	--	--

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	3/27/2003	--	g	33.06	--	--	13.63	19.43	96	<0.50	<0.50	<0.50	<0.50	60	--	--
	6/30/2003	P	h	33.06	--	--	9.60	23.46	140	<0.50	<0.50	<0.50	<0.50	37	--	--
	9/15/2003	P	g	33.06	--	--	17.80	15.26	83	<0.50	<0.50	<0.50	<0.50	49	--	--
	12/04/2003	NP	g	33.06	--	--	18.73	14.33	<50	<0.50	<0.50	<0.50	<0.50	19	4.30	7.0
	03/10/2004	NP	g	34.30	--	--	16.78	17.52	<100	<1.0	<1.0	<1.0	<1.0	38	4.90	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	6.60	8.0
	06/29/2005	**NP**		**34.30**	**--**	**--**	**15.13**	**19.17**	**<50**	**<0.50**	**0.91**	**<0.50**	**<0.50**	**14**	**6.73**	**7.3**
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	1.70	7.0
	03/10/2004	P		35.97	--	--	10.34	25.63	<50	<0.50	<0.50	<0.50	<0.50	9.5	1.20	6.6
	06/10/2004	P		35.97	--	--	11.65	24.32	55	<0.50	<0.50	<0.50	<0.50	31	1.30	7.0
	09/22/2004	P		35.97	--	--	12.23	23.74	<50	<0.50	<0.50	<0.50	<0.50	15	0.80	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	2.60	7.7
	06/29/2005	**P**		**35.97**	**--**	**--**	**11.35**	**24.62**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**6.7**	**0.93**	**6.6**
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	--	--

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	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	0.90	6.8
	06/10/2004	P		34.47	--	--	10.40	24.07	<50	<0.50	<0.50	<0.50	<0.50	2.1	0.60	7.0
	09/22/2004	P		34.47	--	--	10.74	23.73	84	<0.50	<0.50	<0.50	<0.50	18	0.90	6.9
	12/13/2004	P		34.47	--	--	9.73	24.74	<50	<0.50	<0.50	<0.50	<0.50	7.1	0.95	6.8
	03/10/2005	P		34.47	--	--	8.17	26.30	<100	<0.50	<0.50	<0.50	<4.0	1.4	2.0	7.4
	06/29/2005	**P**		**34.47**	**--**	**--**	**9.93**	**24.54**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.7**	**1.72**	**7.0**
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	1.60	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	2.20	7.7
	06/29/2005	**--**		**34.00**	**--**	**--**	**9.28**	**24.72**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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	1.20	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	0.80	6.9
	12/13/2004	P		33.50	--	--	9.28	24.22	290	<1.0	<1.0	<1.0	<1.0	110	1.60	6.5

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-10	03/10/2005	P		33.50	--	--	7.97	25.53	280	<0.50	<0.50	<0.50	<4.0	86	3.20	7.3
	06/29/2005	**P**		**33.50**	**--**	**--**	**9.45**	**24.05**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**160**	**1.13**	**6.8**
MW-11	3/13/2002	--		32.54	--	--	10.38	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		32.54	--	--	10.74	21.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		32.54	--	--	11.27	21.27	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
	12/30/2002	--		32.54	--	--	8.73	23.81	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		32.54	--	--	10.25	22.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--		32.54	--	--	10.65	21.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	9/15/2003	--		32.54	--	--	11.03	21.51	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	P		32.54	--	--	10.84	21.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.50	7.0
	03/10/2004	P		34.55	--	--	9.41	25.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.30	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	1.20	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	2.30	7.7
	06/29/2005	**P**		**34.55**	**--**	**--**	**10.37**	**24.18**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**0.83**	**6.3**
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	1.10	--
	12/13/2004	--		32.61	--	--	8.46	24.15	--	--	--	--	--	--	--	--
	03/10/2005	--		32.61	--	--	7.32	25.29	--	--	--	--	--	--	--	--
	06/29/2005	**--**		**32.61**	**--**	**--**	**8.77**	**23.84**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

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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	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	2.60	7.0
	03/10/2004	P		33.49	--	--	9.09	24.40	<50	<0.50	<0.50	<0.50	<0.50	11	1.50	6.9
	06/10/2004	P		33.49	--	--	10.50	22.99	<50	<0.50	<0.50	<0.50	<0.50	5.7	0.50	6.9
	09/22/2004	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2004	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
	03/10/2005	P		33.49	--	--	8.50	24.99	<100	<0.50	<0.50	<0.50	<4.0	5.4	2.70	7.7
	06/29/2005	--	r	**33.49**	--	--	--	--	--	--	--	--	--	--	--	--
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	2.10	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	1.20	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	3.90	7.0
	06/29/2005	--		**33.41**	--	--	**10.60**	**22.81**	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

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-18	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	1.10	6.9
	12/13/2004	--		31.87	--	--	9.25	22.62	--	--	--	--	--	--	--	--
	03/10/2005	--		31.87	--	--	8.35	23.52	--	--	--	--	--	--	--	--
	06/29/2005	--		**31.87**	--	--	**9.65**	**22.22**	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
	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	2.20	6.9
	12/13/2004	--		30.67	--	--	8.92	21.75	--	--	--	--	--	--	--	--
	03/10/2005	--		30.67	--	--	8.10	22.57	--	--	--	--	--	--	--	--
	06/29/2005	--		**30.67**	--	--	**9.48**	**21.19**	--	--	--	--	--	--	--	--
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	2.30	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	0.90	7.0
	12/13/2004	--		31.43	--	--	9.73	21.70	--	--	--	--	--	--	--	--

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-22	03/10/2005	P		31.43	--	--	8.65	22.78	<100	<0.50	<0.50	<0.50	<4.0	<0.50	3.30	7.4
	06/29/2005	--		**31.43**	--	--	**10.25**	**21.18**	--	--	--	--	--	--	--	--
MW-23	3/13/2002	--		30.99	--	--	11.01	19.98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	30.99	--	--	11.59	19.40	--	--	--	--	--	--	--	--
	9/20/2002	--	q	30.99	--	--	12.00	18.99	--	--	--	--	--	--	--	--
	12/30/2002	--	q	30.99	--	--	9.42	21.57	--	--	--	--	--	--	--	--
	3/27/2003	--		30.99	--	--	11.00	19.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	30.99	--	--	11.47	19.52	--	--	--	--	--	--	--	--
	9/15/2003	--	q	30.99	--	--	11.84	19.15	--	--	--	--	--	--	--	--
	12/04/2003	--	q	30.99	--	--	11.61	19.38	--	--	--	--	--	--	--	--
	03/10/2004	--	q	33.16	--	--	10.24	22.92	--	--	--	--	--	--	--	--
	06/10/2004	--	q	33.16	--	--	11.60	21.56	--	--	--	--	--	--	--	--
	09/22/2004	P		33.16	--	--	11.95	21.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.20	6.9
	12/13/2004	--		33.16	--	--	10.88	22.28	--	--	--	--	--	--	--	--
	03/10/2005	--		33.16	--	--	9.63	23.53	--	--	--	--	--	--	--	--
	06/29/2005	--		**33.16**	--	--	**11.28**	**21.88**	--	--	--	--	--	--	--	--
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	1.20	7.0
	03/10/2004	P		36.33	--	--	10.04	26.29	<50	<0.50	<0.50	<0.50	<0.50	14	1.20	6.7
	06/10/2004	P		36.33	--	--	11.40	24.93	<50	<0.50	<0.50	<0.50	<0.50	17	0.80	7.1
	09/22/2004	P		36.33	--	--	11.74	24.59	<50	<0.50	<0.50	<0.50	<0.50	29	1.10	7.0
	12/13/2004	P		36.33	--	--	10.72	25.61	<50	<0.50	<0.50	<0.50	<0.50	44	1.22	6.9
	03/10/2005	P		36.33	--	--	9.45	26.88	<100	<0.50	<0.50	<0.50	<4.0	7.4	2.0	7.7
	06/29/2005	**P**		**36.33**	--	--	**10.91**	**25.42**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**20**	**0.97**	**6.9**
MW-26	3/13/2002	--		33.71	--	--	11.27	22.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	33.71	--	--	11.70	22.01	--	--	--	--	--	--	--	--

Table 1

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-26	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	1.10	7.0
	12/13/2004	--		35.70	--	--	11.08	24.62	--	--	--	--	--	--	--	--
	03/10/2005	--		35.70	--	--	9.80	25.90	--	--	--	--	--	--	--	--
	06/29/2005	**--**		**35.70**	**--**	**--**	**11.30**	**24.40**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

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	
	06/29/2005	**<100**	**<20**	**14**	**<0.50**	**<0.50**	**0.74**	**<0.50**	**<0.50**	
MW-5	3/27/2003	<100	24	59	<0.50	<0.50	2.2	--	--	
	6/30/2003	<100	22	58	<0.50	<0.50	2.1	<0.50	<0.50	
	9/15/2003	<500	<100	61	<2.5	<2.5	2.5	--	--	
	12/04/2003	<100	<20	42	<0.50	<0.50	1.9	--	--	
	03/10/2004	<100	<20	9.5	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	31	<0.50	<0.50	1.0	<0.50	<0.50	
	09/22/2004	<100	<20	15	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/13/2004	<100	<20	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	<100	<10	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	b
	06/29/2005	**<100**	**<20**	**6.7**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	

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	3/27/2003	<100	<20	33	<0.50	<0.50	0.53	--	--	
	6/30/2003	<100	<20	15	<0.50	<0.50	0.85	<0.50	<0.50	
	9/15/2003	<100	<20	41	<0.50	<0.50	5.3	--	--	
	12/04/2003	<100	<20	24	<0.50	<0.50	3.7	--	--	
	03/10/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	18	<0.50	<0.50	1.5	<0.50	<0.50	
	12/13/2004	<100	<20	7.1	<0.50	<0.50	0.78	<0.50	<0.50	
	03/10/2005	<100	<10	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	b
	06/29/2005	**<100**	**<20**	**1.7**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
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	
	06/29/2005	**<500**	**110**	**160**	**<2.5**	**<2.5**	**4.6**	**<2.5**	**<2.5**	
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	

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-11	03/10/2005	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
	06/29/2005	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-14	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-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	--	--	

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	03/10/2004	<100	<20	14	<0.50	<0.50	6.5	<0.50	<0.50	
	06/10/2004	<100	<20	17	<0.50	<0.50	7.2	<0.50	<0.50	
	09/22/2004	<100	<20	29	<0.50	<0.50	18	<0.50	<0.50	
	12/13/2004	<100	45	44	<0.50	<0.50	18	<0.50	<0.50	
	03/10/2005	<100	<10	7.4	<0.50	<0.50	2.3	<0.50	<0.50	b
	06/29/2005	**<100**	**<20**	**20**	**<0.50**	**<0.50**	**12**	**<0.50**	**<0.50**	
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
6/29/2005	**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 Concentration (µg/L)	GRO/TPH-g Net Removed (pounds)	GRO/TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Influent Concentration (µg/L)	MTBE Net Removed (pounds)	MTBE Removed To Date (pounds)
09/25/91		0	---	0	0	0.0	ND	---	0.00	---	0.000	0.00	---	---	---
09/26/91		---	---	1,144	1,144	---	38	0.00	0.00	4.8	0.000	0.00	---	---	---
10/22/91		26	95.9	12,844	11,700	7.6	ND	---	0.00	ND	0.000	0.00	---	---	---
11/22/91		77	93.1	52,532	39,688	13.0	ND	---	0.00	0.5	0.000	0.00	---	---	---
12/19/91		322	62.1	122,540	70,008	4.8	ND	---	0.00	ND	0.000	0.00	---	---	---
01/16/92		994	0.0	283,289	160,749	4.0	ND	---	0.00	ND	0.000	0.00	---	---	---
02/19/92		1,809	0.2	485,200	201,911	4.1	370	0.31	0.31	14.0	0.012	0.01	---	---	---
03/17/92		2,462	0.0	662,847	177,647	4.5	160	0.39	0.70	18.0	0.024	0.04	---	---	---
04/15/92		3,150	1.1	851,100	188,253	4.6	200	0.28	0.99	11.0	0.023	0.06	---	---	---
05/14/92		3,849	0.0	1,030,086	178,986	4.3	45	0.18	1.17	1.4	0.009	0.07	---	---	---
06/19/92		4,712	0.1	1,229,960	199,874	3.9	ND	---	1.17	ND	0.001	0.07	---	---	---
07/14/92		5,001	51.8	1,291,201	61,241	3.5	97	0.02	1.19	25.0	0.006	0.08	---	---	---
08/18/92		---	---	1,410,018	118,817	---	ND	---	1.19	ND	0.012	0.09	---	---	---
09/15/92		6,298	---	1,535,640	125,622	3.1	ND	---	1.19	ND	0.000	0.09	---	---	---
10/16/92		7,012	4.1	1,651,623	115,983	2.7	ND	---	1.19	ND	0.000	0.09	---	---	---
11/18/92		7,809	0.0	1,768,076	116,453	2.4	ND	---	1.19	ND	0.000	0.09	---	---	---
12/17/92		8,502	0.4	1,864,300	96,224	2.3	96	0.04	1.23	7.7	0.003	0.09	---	---	---
01/18/93		8,798	61.5	1,915,165	50,865	2.9	100	0.04	1.27	13.0	0.004	0.10	---	---	---
02/22/93		9,607	0.0	2,096,930	181,765	3.7	480	0.44	1.71	36.0	0.037	0.13	---	---	---
03/15/93		10,113	0.0	2,205,833	108,903	3.6	310	0.36	2.07	29.0	0.030	0.16	---	---	---
04/09/93		10,517	32.8	2,298,770	92,937	3.8	140	0.17	2.25	11.0	0.015	0.18	---	---	---
05/13/93		11,211	14.9	2,449,160	150,390	3.6	530	0.42	2.67	27.0	0.024	0.20	---	---	---
06/04/93		11,734	1.0	2,543,500	94,340	3.0	170	0.28	2.94	5.2	0.013	0.21	---	---	---
07/20/93		12,573	24.0	2,689,697	146,197	2.9	200	0.23	3.17	12.0	0.010	0.22	---	---	---
08/16/93		13,219	0.3	2,791,366	101,669	2.6	150	0.15	3.32	4.9	0.007	0.23	---	---	---
09/13/93		13,888	0.4	2,884,736	93,370	2.3	80	0.09	3.41	2.2	0.003	0.23	---	---	---
10/08/93		14,485	0.5	2,951,737	67,001	1.9	ND	0.02	3.43	ND	0.001	0.24	---	---	---
11/19/93		15,494	0.0	3,036,032	84,295	1.4	ND	0.00	3.43	ND	0.000	0.24	---	---	---
12/21/93		16,260	0.3	3,113,565	77,533	1.7	73	0.02	3.45	3.5	0.001	0.24	---	---	---
01/18/94		16,939	0.0	3,190,900	77,335	1.9	60	0.04	3.49	3.1	0.002	0.24	---	---	---
02/17/94		17,658	0.0	3,273,720	82,820	1.9	ND	0.02	3.51	2.5	0.002	0.24	---	---	---
03/15/94		18,235	7.5	3,344,249	70,529	2.0	ND	0.00	3.51	ND	0.001	0.24	---	---	---
04/21/94		18,849	30.8	3,418,537	74,288	2.0	110	0.03	3.55	7.8	0.002	0.24	---	---	---
05/13/94		19,351	5.1	3,478,910	60,373	2.0	230	0.09	3.63	8.3	0.004	0.25	---	---	---
06/14/94	a	19,680	57.1	3,518,608	39,698	2.0	230	0.08	3.71	12.0	0.003	0.25	---	---	---
07/14/94	b	20,145	35.4	3,574,408	55,800	2.0	270	0.12	3.83	6.9	0.004	0.26	---	---	---

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 Concentration (µg/L)	GRO/TPH-g Net Removed (pounds)	GRO/TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Influent Concentration (µg/L)	MTBE Net Removed (pounds)	MTBE Removed To Date (pounds)
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

Table 5

Groundwater Extraction System Performance Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue

San Lorenzo, California

							GRO/TPH-g			Benzene			MTBE		
Influent Sample Date	Foot note	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	Influent Concen-tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen-tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen-tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
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
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
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

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)
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
04/20/05		**20,578**	**0.3**	**4,244,807**	**69,443**	**1.4**	**<50**	**0.02**	**7.49**	**<0.50**	**0.000**	**0.31**	**19**	**0.01**	**2.92**
05/18/05		**21,057**	**28.8**	**4,279,950**	**35,143**	**1.2**	**82**	**0.01**	**7.50**	**<0.50**	**0.000**	**0.31**	**16**	**0.01**	**2.93**
06/15/05		**21,728**	**0.1**	**4,325,824**	**45,874**	**1.1**	**<50**	**0.02**	**7.52**	**<0.50**	**0.000**	**0.31**	**15**	**0.01**	**2.93**
REPORTING PERIOD:					**3/16/2004 to 6/15/2005**										
CUMULATIVE GALLONS EXTRACTED:					**8,321,974**										
PERIOD GALLONS EXTRACTED:					**150,460**										
TOTAL POUNDS REMOVED:									**7.52**			**0.31**			**2.93**
TOTAL GALLONS REMOVED:									**1.23**			**0.04**			**0.47**
AVERAGE PERIOD FLOW RATE (gpm):					**1.25**										
PERIOD PERCENT OPERATIONAL:					**85.6%**										
PERIOD POUNDS REMOVED:									**0.044**			**0.000**			**0.023**
PERIOD GALLONS REMOVED:									**0.007**			**0.000**			**0.004**

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

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.)										
03/08/01	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	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
02/16/05	<50 [3]	<0.50	<0.50	<0.50	<1.0	29	---	---	---	---
03/16/05	56 [3]	<0.50	<0.50	<0.50	<1.0	21	---	---	---	---
04/20/05	**<50** [3]	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**19**	**---**	**---**	**---**	**---**
05/18/05	**82** [3]	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**16**	**---**	**---**	**---**	**---**
06/15/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**15**	**---**	**---**	**---**	**---**

Table 6
Treatment System Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

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

Table 6
Treatment System Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (cont.)										
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	---	---	---	---
04/20/05	**<50 [3]**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.4**	**---**	**---**	**---**	**---**
05/18/05	**58 [3]**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.1**	**---**	**---**	**---**	**---**
06/15/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.2**	**---**	**---**	**---**	**---**
MID-2 (between secondary and tertiary carbons)										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	---	---	---	---	---	---	---	---	---	---
09/08/00	---	---	---	---	---	---	---	---	---	---
10/10/00	---	---	---	---	---	---	---	---	---	---
11/07/00	---	---	---	---	---	---	---	---	---	---
12/05/00	---	---	---	---	---	---	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

Table 6
Treatment System Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

Table 6
Treatment System Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons) continued										
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	---	---	---	---
04/20/05	**<50**[3]	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**---**	**---**	**---**	**---**
05/18/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**---**	**---**	**---**	**---**
06/15/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**---**	**---**	**---**	**---**
EFFL (effluent to sewer)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/09/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/04/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/20/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/16/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

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)										
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/21/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	7.19	---
06/12/00	<50	---	---	---	---	---	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	---
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

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.)										
08/28/03	<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
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
02/16/05	<50 [3]	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
04/20/05	**<50 [3]**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<20**	**6.66**	**0.67**
05/18/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<20**	**6.56**	**1.75**
06/15/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<20**	**6.78**	**1.24**

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

WELL GAUGING DATA

Project # 050629-WC-1 Date 6/29/05 Client URS@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	S/G.O
MW-5	4					11.35	13.58		S
MW-8	3					9.93	20.89		S
MW-9	3					9.28	18.18		G.O.
MW-10	3					9.45	22.42		S
MW-11	3					10.37	18.78		S
E-1A (MW-12)	6					15.13	—		S
MW-14	3					8.77	23.05		G.O.
MW-15	3	parked over all day				—	—		S
MW-16	3					10.60	23.10		G.O.
MW-18	3					9.65	21.45		
MW-21	3					9.48	21.56		
MW-22	3					10.25	21.45		
MW-23	3					11.28	21.65		
MW-25	2					10.91	18.48		S
MW-26	2					11.30	19.47		G.O.
642H	—	unable to access				—	—		S
17372 VM	—	pump broken indefinitely				—	—	↓	S

G.O. = 8
S = 9

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0606
Sampler: WC	Date: 6/29/05
Well I.D.: MW-5	Well Diameter: 2 3 (4) .6 8 ___
Total Well Depth: ~~4~~ 13.58	Depth to Water: 11.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	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 extra HCl vocs

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1102	66.6	6.9	864	1.4	clear
1104	68.7	6.7	860	2.8	cloudy
1106	68.7	6.6	858	4.2	"

Did well dewater? Yes (No)		Gallons actually evacuated: 4.2	
Sampling Time: 1111		Sampling Date: 6/29/05	
Sample I.D.: MW-5		Laboratory: Pace Sequoia Other ___	
Analyzed for: GRO BTEX MTBE DRO		Other:	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	0.93 mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	___ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0608
Sampler: WC	Date: 6/29/05
Well I.D.: MW-8	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 20.89	Depth to Water: 9.93
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 (circled) / Extraction Pump / Other: ___

Sampling Method: Bailer / Disposable Bailer (circled) / 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.

4.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 12.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1037	69.3	7.2	875	4.1	clear
1038	68.3	7.1	874	8.2	↓
1039	68.0	7.0	878	12.3	↓

Did well dewater? Yes (No) Gallons actually evacuated: 12.3

Sampling Time: 1043 Sampling Date: 6/29/05

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

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.72	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0608
Sampler: WC	Date: 6/29/05
Well I.D.: MW-10	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 22.42	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	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.

4.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 14.4 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1246	68.5	7.1	775	4.8	odor/clear
1247	67.4	6.8	769	9.6	clear
1248	67.2	6.8	767	14.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 14.4

Sampling Time: 1252 Sampling Date: 6/29/05

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.13 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0608
Sampler: WC	Date: 6/29/05
Well I.D.: MW-11	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 18.78	Depth to Water: 10.37
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 (circled) / Extraction Pump / Other: ___

Sampling Method: Bailer / Disposable Bailer (circled) / 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.

3.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0931	68.7	6.2	946	3.1	cloudy
0932	67.8	6.2	931	6.2	clear
0933	67.6	6.3	929	9.3	clear

Did well dewater? Yes (No)		Gallons actually evacuated: 9.3	
Sampling Time: 0937		Sampling Date: 6/29/05	
Sample I.D.: MW-11		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: See COC	
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	0.83 mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	___ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0608
Sampler: WC	Date: 6/29/05
Well I.D.: MW-15	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 _____ (Specified Volumes) = _____ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
→ well parked over upon arrival & @ lunch.					
→ Well parked over upon departure, I was unable to locate the owner after attempting to contact local residents.					

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0608
Sampler: WC	Date: 6/29/05
Well I.D.: MW-25	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 18.48	Depth to Water: 10.91
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.

1.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1121	67.5	7.4	921	1.2	clear
1123	66.8	7.0	904	2.4	↓
1126	66.6	6.9	903	3.6	↓

Did well dewater? Yes (No) Gallons actually evacuated: 3.6

Sampling Time: 1230 Sampling Date: 6/29/05

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.97	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0608
Sampler: WC	Date: 6/29/05
Well I.D.: E-1A (MW-12)	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: ———	Depth to Water: 15.13
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
1128	71.3	7.3	913	———	clear
——→ let system run for 5 minutes prior to sample					

Did well dewater? Yes (No)		Gallons actually evacuated: ———	
Sampling Time: 1129		Sampling Date: 6/29/05	
Sample I.D.: E-1A (MW-12)		Laboratory: Pace (Sequoia) Other ___	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: See COC	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	6.73 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0608
Sampler: WC	Date: 6/29/05
Well I.D.: 642 H	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 _____ (Specified Volumes) = _____ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
unable to access					

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050629-WC-1	Station # 0609
Sampler: WC	Date: 6/29/05
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: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
→ Dedicated pump broke, Private property owner "Joe" is elderly man in late 80's and is unwilling to pay "$550.00" to replace it.					
→ Joe is friendly & cooperative.					
→ Unable to sample until pump is replaced.					

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

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

0608

Station #

17601 Hesperian Blvd, San Lorenzo

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

44 Gallons

added equip. rinse water 6 Gal

any other adjustments /

TOTAL GALS. RECOVERED 50 Gal

loaded onto BTS vehicle # 64

BTS event #	time	date
050629-WC-1	1330	6/29/05

signature Will Crow

* *

REC'D AT	time	date
Blaine Tech	1415	6/29/05

unloaded by signature Will Crow

URS

Scott Robinson/Oakland/URSCorp
06/30/2005 02:13 PM

To Donna Cosper/Oakland/URSCorp@URSCorp
cc
bcc
Subject Fw: ARCO 608 - info. for QMR!

See below for info. on why some wells not sample
I need to talk to Paul about the domestic wells

Scott Robinson, P.G.
Project Manager / Senior Geologist
URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612
510-874-3280 Direct / 510-874-3268 Fax

---- Forwarded by Scott Robinson/Oakland/URSCorp on 06/30/2005 02:09 PM -----

"Mike Ninokata" <mninokata@blainetech.com>

06/30/2005 02:03 PM

Please respond to <mninokata@blainetech.com>

To "Scott Robinson \(E-mail\)" <Scott_Robinson@URSCorp.com>
cc
Subject ARCO 608

Scott,

We were sampling ARCO 608 on yesterday (6/29). My tech spoke to the resident at 17372 Via Magdalena and we were informed that the pump is not operational and the resident has no plans on fixing it (he mentioned he wasn't going to pay $600 to fix it). Not sure if I can take this well off the scope.
In addition, two other wells were not accessed this event. MW-15 was parked over all day, we did attempt to contact nearby residents. Lastly , the other residential well at 642 Hacienda was also not accessed. No one answered the door, and I was not able to reach anyone by phone prior to the event to confirm our plans.
Just let me know if you have additional instructions.

Thanks,

Michael Ninokata
Project Coordinator
Blaine Tech Services, Inc.
Ph. 408.573.0555 ext.202
Fax 408.573.7771

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia
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14 July, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOG0001

Enclosed are the results of analyses for samples received by the laboratory on 06/30/05 18:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOG0001
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	MOG0001-01	Water	06/29/05 11:11	06/30/05 18:40
MW-8	MOG0001-02	Water	06/29/05 10:43	06/30/05 18:40
MW-10	MOG0001-03	Water	06/29/05 12:52	06/30/05 18:40
MW-11	MOG0001-04	Water	06/29/05 09:37	06/30/05 18:40
MW-25	MOG0001-05	Water	06/29/05 12:30	06/30/05 18:40
E-1A (MW-12)	MOG0001-06	Water	06/29/05 11:29	06/30/05 18:40
TB-0608-06292005	MOG0001-07	Water	06/29/05 00:00	06/30/05 18:40

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

These samples were received with custody seals.

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MOG0001-01) Water Sampled: 06/29/05 11:11 Received: 06/30/05 18:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5G11002	07/11/05	07/11/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**6.7**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-135*		"	"	"	"	
MW-8 (MOG0001-02) Water Sampled: 06/29/05 10:43 Received: 06/30/05 18:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5G11002	07/11/05	07/11/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.7**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MOG0001-03) Water	**Sampled: 06/29/05 12:52**	**Received: 06/30/05 18:40**							
tert-Amyl methyl ether	**4.6**	2.5	ug/l	5	5G11009	07/11/05	07/12/05	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	**110**	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**160**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-135*		"	"	"	"	
MW-11 (MOG0001-04) Water	**Sampled: 06/29/05 09:37**	**Received: 06/30/05 18:40**							
tert-Amyl methyl ether	ND	0.50	ug/l	1	5G11002	07/11/05	07/11/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*60-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-25 (MOG0001-05) Water Sampled: 06/29/05 12:30 Received: 06/30/05 18:40									
tert-Amyl methyl ether	**12**	0.50	ug/l	1	5G12011	07/12/05	07/12/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**20**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-135*		"	"	"	"	
E-1A (MW-12) (MOG0001-06) Water Sampled: 06/29/05 11:29 Received: 06/30/05 18:40									
tert-Amyl methyl ether	**0.74**	0.50	ug/l	1	5G12011	07/12/05	07/12/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**14**	0.50	"	"	"	"	"	"	
Toluene	**0.91**	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G11002 - EPA 5030B P/T / EPA 8260B										
Blank (5G11002-BLK1)				Prepared & Analyzed: 07/11/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.29*		"	*2.50*		*92*	*60-135*			
Blank (5G11002-BLK2)				Prepared & Analyzed: 07/11/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.23*		"	*2.50*		*89*	*60-135*			

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Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G11002 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5G11002-BS1)				Prepared & Analyzed: 07/11/05						
tert-Amyl methyl ether	10.0	0.50	ug/l	10.0		100	80-115			
Benzene	9.97	0.50	"	10.0		100	65-115			
tert-Butyl alcohol	46.8	20	"	50.0		94	75-150			
Di-isopropyl ether	9.68	0.50	"	10.0		97	75-125			
1,2-Dibromoethane (EDB)	10.9	0.50	"	10.0		109	85-120			
1,2-Dichloroethane	10.1	0.50	"	10.0		101	85-130			
Ethanol	272	100	"	200		136	70-135			HL
Ethyl tert-butyl ether	9.45	0.50	"	10.0		94	75-130			
Ethylbenzene	11.0	0.50	"	10.0		110	75-135			
Methyl tert-butyl ether	9.68	0.50	"	10.0		97	65-125			
Toluene	10.4	0.50	"	10.0		104	85-120			
Xylenes (total)	33.4	0.50	"	30.0		111	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.20*		*"*	*2.50*		*88*	*60-135*			
Laboratory Control Sample (5G11002-BS2)				Prepared & Analyzed: 07/11/05						
Benzene	5.28	0.50	ug/l	6.08		87	65-115			
Ethylbenzene	8.24	0.50	"	7.84		105	75-135			
Methyl tert-butyl ether	8.41	0.50	"	9.60		88	65-125			
Toluene	31.8	0.50	"	32.9		97	85-120			
Xylenes (total)	40.0	0.50	"	38.5		104	85-125			
Gasoline Range Organics (C4-C12)	374	50	"	440		85	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.18*		*"*	*2.50*		*87*	*60-135*			
Laboratory Control Sample Dup (5G11002-BSD1)				Prepared & Analyzed: 07/11/05						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	80-115	6	15	
Benzene	10.3	0.50	"	10.0		103	65-115	3	20	
tert-Butyl alcohol	9.18	20	"	50.0		18	75-150	134	25	HM, BA
Di-isopropyl ether	9.98	0.50	"	10.0		100	75-125	3	15	
1,2-Dibromoethane (EDB)	11.7	0.50	"	10.0		117	85-120	7	15	
1,2-Dichloroethane	10.6	0.50	"	10.0		106	85-130	5	20	
Ethanol	271	100	"	200		136	70-135	0.4	35	HL
Ethyl tert-butyl ether	9.77	0.50	"	10.0		98	75-130	3	25	
Ethylbenzene	11.1	0.50	"	10.0		111	75-135	0.9	15	
Methyl tert-butyl ether	9.51	0.50	"	10.0		95	65-125	2	20	
Toluene	10.7	0.50	"	10.0		107	85-120	3	20	
Xylenes (total)	34.2	0.50	"	30.0		114	85-125	2	20	

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G11002 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (5G11002-BSD1)				Prepared & Analyzed: 07/11/05						
Surrogate: 1,2-Dichloroethane-d4	*2.30*		*ug/l*	*2.50*		*92*	*60-135*			
Matrix Spike (5G11002-MS1)	**Source: MOG0002-03**			Prepared & Analyzed: 07/11/05						
Benzene	6700	50	ug/l	608	6200	82	65-115			
Ethylbenzene	4160	50	"	784	3300	110	75-135			
Methyl tert-butyl ether	4490	50	"	960	3600	93	65-125			
Toluene	8080	50	"	3290	4900	97	85-120			
Xylenes (total)	15800	50	"	3850	12000	99	85-125			
Gasoline Range Organics (C4-C12)	85500	5000	"	44000	54000	72	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.20*		"	*2.50*		*88*	*60-135*			
Matrix Spike Dup (5G11002-MSD1)	**Source: MOG0002-03**			Prepared & Analyzed: 07/11/05						
Benzene	6280	50	ug/l	608	6200	13	65-115	6	20	BB,LN
Ethylbenzene	3830	50	"	784	3300	68	75-135	8	15	BB,LN
Methyl tert-butyl ether	3070	50	"	960	3600	NR	65-125	38	20	BA, LN
Toluene	7610	50	"	3290	4900	82	85-120	6	20	LN
Xylenes (total)	14400	50	"	3850	12000	62	85-125	9	20	LN
Gasoline Range Organics (C4-C12)	82500	5000	"	44000	54000	65	70-124	4	20	LN
Surrogate: 1,2-Dichloroethane-d4	*2.19*		"	*2.50*		*88*	*60-135*			
Batch 5G11009 - EPA 5030B P/T / EPA 8260B										
Blank (5G11009-BLK1)				Prepared & Analyzed: 07/11/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G11009 - EPA 5030B P/T / EPA 8260B										
Blank (5G11009-BLK2)				Prepared: 07/11/05 Analyzed: 07/12/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.22*		"	*2.50*		*89*	*60-135*			
Laboratory Control Sample (5G11009-BS1)				Prepared & Analyzed: 07/11/05						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	80-115			
Benzene	11.2	0.50	"	10.0		112	65-115			
tert-Butyl alcohol	50.4	20	"	50.0		101	75-150			
Di-isopropyl ether	10.2	0.50	"	10.0		102	75-125			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	85-120			
1,2-Dichloroethane	10.4	0.50	"	10.0		104	85-130			
Ethanol	241	100	"	200		120	70-135			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	75-130			
Ethylbenzene	11.2	0.50	"	10.0		112	75-135			
Methyl tert-butyl ether	9.84	0.50	"	10.0		98	65-125			
Toluene	10.6	0.50	"	10.0		106	85-120			
Xylenes (total)	33.6	0.50	"	30.0		112	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.27*		"	*2.50*		*91*	*60-135*			

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Sequoia Analytical

1885 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	MOG0001
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G11009 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5G11009-BS2)				Prepared & Analyzed: 07/11/05						
Benzene	5.90	0.50	ug/l	6.08		97	65-115			
Ethylbenzene	8.60	0.50	"	7.84		110	75-135			
Methyl tert-butyl ether	8.30	0.50	"	9.60		86	65-125			
Toluene	34.5	0.50	"	32.9		105	85-120			
Xylenes (total)	42.0	0.50	"	38.5		109	85-125			
Gasoline Range Organics (C4-C12)	436	50	"	440		99	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.55*		"	*2.50*		*102*	*60-135*			
Laboratory Control Sample (5G11009-BS3)				Prepared: 07/11/05 Analyzed: 07/12/05						
tert-Amyl methyl ether	9.82	0.50	ug/l	10.0		98	80-115			
Benzene	10.8	0.50	"	10.0		108	65-115			
tert-Butyl alcohol	41.4	20	"	50.0		83	75-150			
Di-isopropyl ether	9.84	0.50	"	10.0		98	75-125			
1,2-Dibromoethane (EDB)	9.44	0.50	"	10.0		94	85-120			
1,2-Dichloroethane	9.86	0.50	"	10.0		99	85-130			
Ethanol	160	100	"	200		80	70-135			
Ethyl tert-butyl ether	9.46	0.50	"	10.0		95	75-130			
Ethylbenzene	11.2	0.50	"	10.0		112	75-135			
Methyl tert-butyl ether	9.31	0.50	"	10.0		93	65-125			
Toluene	10.3	0.50	"	10.0		103	85-120			
Xylenes (total)	33.8	0.50	"	30.0		113	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.18*		"	*2.50*		*87*	*60-135*			
Laboratory Control Sample Dup (5G11009-BSD1)				Prepared & Analyzed: 07/11/05						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	80-115	0	15	
Benzene	11.1	0.50	"	10.0		111	65-115	0.9	20	
tert-Butyl alcohol	51.0	20	"	50.0		102	75-150	1	25	
Di-isopropyl ether	10.2	0.50	"	10.0		102	75-125	0	15	
1,2-Dibromoethane (EDB)	10.0	0.50	"	10.0		100	85-120	2	15	
1,2-Dichloroethane	9.89	0.50	"	10.0		99	85-130	5	20	
Ethanol	207	100	"	200		104	70-135	15	35	
Ethyl tert-butyl ether	10.2	0.50	"	10.0		102	75-130	1	25	
Ethylbenzene	11.0	0.50	"	10.0		110	75-135	2	15	
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	65-125	3	20	
Toluene	10.6	0.50	"	10.0		106	85-120	0	20	
Xylenes (total)	33.8	0.50	"	30.0		113	85-125	0.6	20	

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOG0001
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G11009 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (5G11009-BSD1)				Prepared & Analyzed: 07/11/05						
Surrogate: 1,2-Dichloroethane-d4	*2.16*		*ug/l*	*2.50*		*86*	*60-135*			
Matrix Spike (5G11009-MS1)	**Source: MOF0998-01**			Prepared: 07/11/05		Analyzed: 07/12/05				
Benzene	30.2	2.5	ug/l	30.4	ND	99	65-115			
Ethylbenzene	45.6	2.5	"	39.2	ND	116	75-135			
Methyl tert-butyl ether	187	2.5	"	48.0	160	56	65-125			LN
Toluene	177	2.5	"	164	ND	108	85-120			
Xylenes (total)	218	2.5	"	192	ND	114	85-125			
Gasoline Range Organics (C4-C12)	2360	250	"	2200	110	102	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-135*			
Matrix Spike Dup (5G11009-MSD1)	**Source: MOF0998-01**			Prepared: 07/11/05		Analyzed: 07/12/05				
Benzene	29.1	2.5	ug/l	30.4	ND	96	65-115	4	20	
Ethylbenzene	43.4	2.5	"	39.2	ND	111	75-135	5	15	
Methyl tert-butyl ether	188	2.5	"	48.0	160	58	65-125	0.5	20	LN
Toluene	172	2.5	"	164	ND	105	85-120	3	20	
Xylenes (total)	211	2.5	"	192	ND	110	85-125	3	20	
Gasoline Range Organics (C4-C12)	2230	250	"	2200	110	96	70-124	6	20	
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*60-135*			
Batch 5G12011 - EPA 5030B P/T / EPA 8260B										
Blank (5G12011-BLK1)				Prepared & Analyzed: 07/12/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.27*		"	*2.50*		*91*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOG0001
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G12011 - EPA 5030B P/T / EPA 8260B										
Blank (5G12011-BLK2)				Prepared & Analyzed: 07/12/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.45*		"	*2.50*		*98*	*60-135*			
Laboratory Control Sample (5G12011-BS1)				Prepared & Analyzed: 07/12/05						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0		101	80-115			
Benzene	11.5	0.50	"	10.0		115	65-115			
tert-Butyl alcohol	40.8	20	"	50.0		82	75-150			
Di-isopropyl ether	10.4	0.50	"	10.0		104	75-125			
1,2-Dibromoethane (EDB)	9.96	0.50	"	10.0		100	85-120			
1,2-Dichloroethane	9.97	0.50	"	10.0		100	85-130			
Ethanol	150	100	"	200		75	70-135			
Ethyl tert-butyl ether	9.82	0.50	"	10.0		98	75-130			
Ethylbenzene	11.6	0.50	"	10.0		116	75-135			
Methyl tert-butyl ether	9.72	0.50	"	10.0		97	65-125			
Toluene	11.0	0.50	"	10.0		110	85-120			
Xylenes (total)	34.5	0.50	"	30.0		115	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.21*		"	*2.50*		*88*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOG0001
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G12011 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5G12011-BS2)				Prepared & Analyzed: 07/12/05						
Benzene	6.04	0.50	ug/l	6.08		99	65-115			
Ethylbenzene	8.79	0.50	"	7.84		112	75-135			
Methyl tert-butyl ether	8.47	0.50	"	9.60		88	65-125			
Toluene	35.9	0.50	"	32.9		109	85-120			
Xylenes (total)	42.6	0.50	"	38.5		111	85-125			
Gasoline Range Organics (C4-C12)	472	50	"	440		107	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		*"*	*2.50*		*98*	*60-135*			
Laboratory Control Sample (5G12011-BS3)				Prepared & Analyzed: 07/12/05						
tert-Amyl methyl ether	11.5	0.50	ug/l	10.0		115	80-115			
Benzene	11.0	0.50	"	10.0		110	65-115			
tert-Butyl alcohol	58.6	20	"	50.0		117	75-150			
Di-isopropyl ether	11.0	0.50	"	10.0		110	75-125			
1,2-Dibromoethane (EDB)	11.7	0.50	"	10.0		117	85-120			
1,2-Dichloroethane	11.3	0.50	"	10.0		113	85-130			
Ethanol	202	100	"	200		101	70-135			
Ethyl tert-butyl ether	11.1	0.50	"	10.0		111	75-130			
Ethylbenzene	10.6	0.50	"	10.0		106	75-135			
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	65-125			
Toluene	10.5	0.50	"	10.0		105	85-120			
Xylenes (total)	32.4	0.50	"	30.0		108	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.59*		*"*	*2.50*		*104*	*60-135*			
Laboratory Control Sample Dup (5G12011-BSD1)				Prepared & Analyzed: 07/12/05						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0		102	80-115	1	15	
Benzene	11.5	0.50	"	10.0		115	65-115	0	20	
tert-Butyl alcohol	54.7	20	"	50.0		109	75-150	29	25	RB
Di-isopropyl ether	10.5	0.50	"	10.0		105	75-125	1	15	
1,2-Dibromoethane (EDB)	10.1	0.50	"	10.0		101	85-120	1	15	
1,2-Dichloroethane	10.0	0.50	"	10.0		100	85-130	0.3	20	
Ethanol	251	100	"	200		126	70-135	50	35	RB
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	75-130	3	25	
Ethylbenzene	11.6	0.50	"	10.0		116	75-135	0	15	
Methyl tert-butyl ether	9.97	0.50	"	10.0		100	65-125	3	20	
Toluene	11.1	0.50	"	10.0		111	85-120	0.9	20	
Xylenes (total)	34.7	0.50	"	30.0		116	85-125	0.6	20	

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOG0001
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G12011 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (5G12011-BSD1)				Prepared & Analyzed: 07/12/05						
Surrogate: 1,2-Dichloroethane-d4	*2.23*		*ug/l*	*2.50*		*89*	*60-135*			
Matrix Spike (5G12011-MS1)	**Source: MOF1001-17**			Prepared & Analyzed: 07/12/05						
Benzene	668	25	ug/l	304	380	95	65-115			
Ethylbenzene	4260	25	"	392	3700	143	75-135			BB,LM
Methyl tert-butyl ether	502	25	"	480	32	98	65-125			
Toluene	1760	25	"	1640	40	105	85-120			
Xylenes (total)	2160	25	"	1920	130	106	85-125			
Gasoline Range Organics (C4-C12)	38800	2500	"	22000	19000	90	70-124			
Surrogate: 1,2-Dichloroethane-d4	*3.13*		"	*2.50*		*125*	*60-135*			
Matrix Spike Dup (5G12011-MSD1)	**Source: MOF1001-17**			Prepared & Analyzed: 07/12/05						
Benzene	666	25	ug/l	304	380	94	65-115	0.3	20	
Ethylbenzene	4180	25	"	392	3700	122	75-135	2	15	
Methyl tert-butyl ether	506	25	"	480	32	99	65-125	0.8	20	
Toluene	1730	25	"	1640	40	103	85-120	2	20	
Xylenes (total)	2100	25	"	1920	130	103	85-125	3	20	
Gasoline Range Organics (C4-C12)	38800	2500	"	22000	19000	90	70-124	0	20	
Surrogate: 1,2-Dichloroethane-d4	*3.13*		"	*2.50*		*125*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	07/14/05 20:52

Notes and Definitions

RB	RPD exceeded method control limit; % recoveries within limits.
LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
HM	Analyte recovery below established limit
HL	Analyte recovery above established limit
BB,LN	Sample > 4x spike concentration.
BB,LM	Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).
BA	Relative percent difference out of control
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Chain of Custody Record

Page 1 of 1

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:	0730	Temp:	63°F
Off-site Time:	1330	Temp:	74°F
Sky Conditions:	Clear		
Meteorological Events:	—		
Wind Speed:	5 mph	Direction:	W

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
1	MW-5	1111	6/29/05		X		01	6				X		X	X	X	X	MOG0001
2	MW-6	1043	"		"		02	3				"		X	X	X	X	
3	MW-10	1252	"		"		03	"				"		X	X	X	X	
4	MW-11	1037	"		"		04	"				"		X	X	X	X	
5	MW-25	1230	"		"		05	"				"		X	X	X	X	
6	E-1A (MW-12)	1129	"		"		06	"				"		X	X	X	X	
7	TB-0608-062920 05	—	"		"		07	2				"		—	—	—	—	on hold
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Will Crow						
Sampler's Company: Blaine Tech	Will Crow Sample Custodian	6/29/05	1430	Sample Custodian	6/29/05	1430
Shipment Date:		6/30/05	1745		6/30/05	1745
Shipment Method:					6/30/05	1840
Shipment Tracking No:						

Instructions:

Temp Blank Yes / No Cooler Temperature on Receipt 6.5 °F/C Trip Blank Yes / No

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: URS
REC. BY (PRINT): ebf
WORKORDER: M06 0001

DATE REC'D AT LAB: 6/30/05
TIME REC'D AT LAB: 18:40
DATE LOGGED IN: 7-01-05

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	40 ml VOA-6	HCl	—	L	6/29/05	
2. Chain-of-Custody (Present / Absent)*	02		MW-8	4 ml VOA-3					
3. Traffic Reports or Packing List: Present / (Absent)	03		MW-10						
4. Airbill: Airbill / Sticker (Present / Absent)	04		MW-11						
5. Airbill #:	05		MW-25						
6. Sample Labels: (Present / Absent)	06		E-1A (MW-12)						
7. Sample IDs: (Listed / Not Listed on Chain-of-Custody)	07		TB-0608-062920005	4 ml VOA-2					
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: 5.5°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

6/30/05 ebf

*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)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-5	††	03/13,14/96		33.99	9.75	24.24	1,600	30	<10	13	<10	NA	NM
		05/28,29/96			11.48	22.51	240	2.4	<0.50	<0.50	<0.50	NA	NM
		08/28/96			12.58	21.41	250	210	8.0	<1.0	<1.0	210	NM
		11/25,26/96			12.07	21.92	<500	<5.0	<5.0	<5.0	<5.0	280	NM
		03/31/97	†		12.42	21.57	<50	<0.50	<0.50	<0.50	<0.50	41	NM
		06/25/97			12.64	21.35	NS	NS	NS	NS	NS	NS	NM
		09/09,10/97			12.75	21.24	<50	<0.50	<0.50	<0.50	<0.50	19	NM
		11/24,25/97			12.60	21.39	<50	0.9	<0.50	<0.50	<0.50	23	1.4
		03/19,20/98			10.43	23.56	61	1.0	0.56	0.55	<0.50	75	1.2
		06/04/98			11.24	22.75	150	<0.30	<0.30	0.32	0.74	20	1.4
		09/21,22/98			12.45	21.54	110	0.59	<0.50	<0.50	<0.50	25	1.8
		12/14,15/98			11.85	22.14	<200	<2.0	<2.0	<2.0	<2.0	600	1.2
		03/15,16/99			11.05	22.94	50.9	<0.50	<0.50	<0.50	<0.50	211	1.0
		06/14,15/99			12.25	21.74	211	<0.50	<0.50	<0.50	<0.50	212	1.2
		09/15,16/99			12.70	21.29	139	<0.50	<0.50	<0.50	<0.50	184	2.4
		12/08,09/99			12.56	21.43	87.4	<0.50	<0.50	<0.50	<0.50	197	1.2
		03/15/00			10.10	23.89	82.4	<0.50	0.710	<0.50	0.579	906	1.2
		03/15/00	a		--	--	--	--	--	--	--	1,230	--
		06/13/00	b		12.44	21.55	96.7	<0.50	<0.50	<0.50	<0.50	551	2.0
		9/19,20/00			12.45	21.54	<50.0	<0.50	<0.50	<0.50	<0.50	51	2.2
		12/14,15/00			12.03	21.96	152.0	1.33	0.56	<0.50	<0.50	<2.50	1.0
		3/8,9/01			10.81	23.18	<50.0	<0.50	<0.50	<0.50	<0.50	73.8	1.6
		06/14/01			12.25	21.74	<50.0	<0.50	<0.50	<0.50	<0.50	47.0	1.8
		09/26/01			12.83	21.16	<50.0	<0.50	<0.50	<0.50	<0.50	270.0	2.0
		12/29/01			10.97	23.02	<50.0	<0.50	<0.50	<0.50	0.95	370.0	2.4
		03/13/02			11.46	22.53	530	<2.5	<2.5	<2.5	<2.5	1100	3.00
MW-7		03/13,15/96		34.40	9.73	24.67	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28,29/96			11.60	22.80	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28,29/96			12.63	21.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25,26/96			12.10	22.30	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			11.72	22.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			12.98	21.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			12.25	22.15	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		11/24,25/97			12.57	21.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
		03/19,20/98			10.35	24.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
		06/04/98			11.30	23.10	<50	<0.30	<0.30	<0.30	<0.60	<10	0.7
		09/21,22/98			12.48	21.92	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
		12/14,15/98			11.90	22.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
		03/15,16/99			11.10	23.30	<50	<0.50	<0.50	<0.50	<0.50	<	0.0
		06/14,15/99			Removed From Gauging and Sampling Program								
MW-8		03/13,14/96		32.79	8.90	23.89	670	5.1	<2.0	<2.0	<2.0	NA	NM
		05/28,29/96			10.58	22.21	490	<1.0	<1.0	0.91	0.91	NA	NM
		08/28/96			11.30	21.49	680	29	2.1	3.0	2.4	80	NM
		11/25/96			10.80	21.99	620	1.2	2.6	2.9	2.0	46	NM
		03/31-04/01/97			10.76	22.03	530	<1.0	1.7	2.0	3.8	380	NM
		06/25/97			11.65	21.14	480	6.7	0.69	0.8	0.71	88	NM
		09/09,10/97			11.67	21.12	570	57	<1.0	2.1	1.7	57	2.0
		09/09,10/97	a		--	--	--	--	--	--	--	48	--
		11/24,25/97			11.50	21.29	530	3.0	1.7	1.9	1.5	26	2.0
		03/19,20/98			9.40	23.39	440	1.4	<0.50	<0.50	3.7	140	2.2
		06/03/98			10.25	22.54	360	2.2	1.2	1.8	1.0	47	0.3
		09/21,22/98			11.37	21.42	380	<2.5	<2.5	<2.5	<2.5	620	0.0
		12/14,15/98			10.80	21.99	<50	<0.50	<0.50	<0.50	<0.50	1,600	0.0
		03/15,16/99			10.00	22.79	<500	<5.0	<5.0	<5.0	<5.0	625	0.0
		06/14,15/99			11.17	21.62	166	<0.50	<0.50	<0.50	<0.50	141	NM
		09/15,16/99			11.65	21.14	<500	<5.0	<5.0	<5.0	<5.0	2,380	2.4
		12/08,09/99			11.48	21.31	213	<0.50	<0.50	<0.50	<0.50	4,160	2.8
		03/15/00			9.38	23.41	133	<0.50	3.44	<0.50	0.548	1,350	2.2
		03/15/00	a		--	--	--	--	--	--	--	1,980	--
		06/13/00	b		11.93	20.86	227	<0.50	<0.50	<0.50	<0.50	657	1.0
		9/19,20/2000			11.46	21.33	191	1.7	3.2	<0.50	1.2	160	1.0
		12/14,15/00			10.97	21.82	243	<0.50	<0.50	<0.50	<0.50	243	2.0
		3/8,9/01			9.80	22.99	144	<0.50	<0.50	<0.50	<0.50	188	3.0
		06/14/01			11.22	21.57	150	3.2	0.75	<0.50	1.0	230	3.4
		09/26/01			10.80	21.99	140	<0.50	0.58	<0.50	1.9	170	0.6
		12/29/01			9.85	22.94	<50.0	<0.50	<0.50	<0.50	<0.50	560	4.2
		03/13/02			10.30	22.49	500	<2.5	<2.5	<2.5	<2.5	1,100	2.0

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-9		03/13,15/96		32.11	7.65	24.46	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			9.67	22.44	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28,29/96			10.78	21.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			10.24	21.87	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			9.95	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			10.85	21.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			10.87	21.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		11/24,25/97			10.70	21.41	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		03/19,20/98			8.63	23.48	<50	<0.50	<0.50	<0.50	<0.50	58	4.8
		06/04/98			9.35	22.76	<50	<0.30	<0.30	<0.30	<0.60	<10	2.0
		09/21,22/98			10.55	21.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/14,15/98			9.98	22.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
		03/15,16/99			9.10	23.01	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.0
		06/14,15/99			10.32	21.79	<50	<0.50	<0.50	<0.50	<0.50	3.27	2.2
		09/15,16/99			10.83	21.28	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.2
		12/08,09/99			10.70	21.41	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6
		03/15/00			8.58	23.53	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		06/13/00	b		10.48	21.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		9/19,20/00			10.53	21.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		12/14,15/00			10.35	21.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		3/8,9/01			9.05	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		06/14/01			10.33	21.78	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		09/26/01			10.82	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/29/01			8.82	23.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		03/13/02			9.49	22.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
MW-10	††	03/13,14/96		31.67	7.78	23.89	870	35	<5.0	5.2	7.0	NA	NM
		05/28/96			10.00	21.67	800	<1.0	<1.0	<1.0	<1.0	NA	NM
		08/28/96			10.93	20.74	NS	NS	NS	NS	NS	NS	NM
		11/25,26/96			10.45	21.22	1,100	6.0	4.9	3.8	9.5	200	NM
		03/31/97	†		10.15	21.52	160	<0.50	<0.50	<0.50	<0.50	140	NM
		06/25/97			10.99	20.68	800	4.2	1.4	1.5	1.4	170	NM
		09/09,10/97			11.08	20.59	950	<1.2	3.3	2.5	3.7	240	2.0
		09/09,10/97	a		--	--	--	--	--	--	--	210	--
		11/24,25/97			10.85	20.82	920	5.7	6.7	<5.0	<5.0	160	2.4
		11/24,25/97			--	--	--	--	--	--	--	160	--
		03/19/98			8.78	22.89	330	1.7	<0.50	<0.50	<0.50	130	1.0
		06/04/98			9.59	22.08	680	<0.30	4.8	2.3	8.6	79	0.0
		09/21,22/98			10.77	20.90	650	<0.50	<0.50	3.5	1.3	99	0.0
		12/14/98			10.18	21.49	828	<1.0	<1.0	3.39	<1.0	152	0.4
		03/15,16/99			9.30	22.37	910	17.6	1.3	5.24	<1.0	268	0.0
		06/14,15/99			10.57	21.10	643	<0.50	0.761	1.13	1.35	232	NM
		09/15,16/99			11.03	20.64	655	<1.25	1.26	<1.25	<1.25	315	5.8
		12/08,09/99			10.88	20.79	898	5.7	1.29	<1.0	<1.0	236	5.8
		03/15/00			8.68	22.99	459	<1.0	<1.0	<1.0	<1.0	266	2.2
		03/15/00	a		--	--	--	--	--	--	--	342	--
		06/13/00	b		10.85	20.82	617	6.82	2.77	3.07	1.92	437	1.0
		9/19,20/00			10.70	20.97	527	<0.50	0.86	0.99	1.19	413	2.2
		12/14,15/00			10.35	21.32	456	10.50	1.01	0.60	<0.50	145	4.0
		3/8,9/01			9.12	22.55	509	<0.50	21.90	3.16	3.55	161	3.2
		06/14/01			10.55	21.12	710	9.20	2.60	<0.50	1.50	290	3.0
		09/26/01			10.98	20.69	580	<0.50	1.60	1.50	1.60	250	2.6
		12/29/01			9.06	22.61	410	<0.50	6.70	2.50	2.90	950	3.2
		03/13/02			9.68	21.99	680	<5.0	<5.0	<5.0	<5.0	570	3.2
MW-11		03/13,14/96		32.54	8.60	23.94	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			10.55	21.99	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			11.52	21.02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			11.00	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			10.88	21.66	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			11.65	20.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			11.75	20.79	80	<0.50	<0.50	<0.50	0.65	<2.5	2.0
		11/24,25/97			11.50	21.04	<50	<0.50	<0.50	<0.50	<0.50	3.8	2.4
		03/19/98			9.43	23.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		06/03/98			10.27	22.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8
		09/21,22/98			11.43	21.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		12/14/98			10.85	21.69	<50	<0.50	<0.50	<0.50	<0.50	<2.0	1.4
		03/15,16/99			10.05	22.49	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.2

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-11		06/14,15/99			11.25	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
(cont.)		09/15/99			11.68	20.86	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.4
		12/08,09/99			11.53	21.01	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
		03/15/00			9.32	23.22	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.7
		06/13/00	b		11.05	21.49	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		9/19,20/00			11.37	21.17	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		3/8,9/01			11.00	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		3/8,9/01			9.78	22.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		06/14/01			11.23	21.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
		09/26/01			11.70	20.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
		12/29/01			9.91	22.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
		03/13/02			10.38	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
E-1A	††	03/13,14/96		33.06	10.35	22.71	2,700	38	<5.0	130	6.2	NA	NM
(MW-12)		05/28,29/96			11.50	21.56	1,400	410	18	55	5.5	NA	NM
		08/28/96			11.70	21.36	NS	NS	NS	NS	NS	NS	NM
		11/25,26/96			11.18	21.88	4,300	13	<5.0	100	20	220	NM
		03/31/97	†		12.65	20.41	1,900	7.9	<2.0	62	3.5	140	NM
		06/25/97			11.82	21.24	4,900	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	1.0
		03/19,20/98			9.65	23.41	11,000	1,300	<0.50	550	380	220	6.2
		06/04/98	b		10.47	22.59	4,500	3.3	0.92	41	4.0	51	1.5
		09/21,22/98			11.60	21.46	3,300	1.7	<0.50	29	3.6	52	1.8
		12/14,15/98			11.10	21.96	3,100	21	6.7	28	<5.0	140	1.0
		03/15,16/99			10.25	22.81	3,900	24.5	<20	41.2	<20	296	1.0
		06/14,15/99			11.47	21.59	5,090	<5.0	<5.0	6.01	<5.0	234	1.4
		09/15,16/99			11.90	21.16	2,200	7.93	<5.0	10.50	<5.0	142	3.2
		12/08,09/99			11.75	21.31	1,490	6.57	1.36	9.21	<1.25	364	NM
		03/15/00			9.52	23.54	4,430	26.1	<10.0	15.3	<10.0	786	1.8
		03/15/00	a		--	--	--	--	--	--	--	908	--
		06/13/00	b		22.31	10.75	262	9.52	0.584	0.535	<0.5	534	3.4
		9/19,20/00			23.15	9.91	143	1.01	<0.50	<0.50	<0.50	76	2.8
		12/14,15/00			NA	NA	181	<0.50	<0.50	0.789	<0.50	100	1.4
		3/8,9/01			23.80	9.26	370	1.78	<0.50	0.765	<0.50	76	1.6
		06/14/01			21.10	11.96	180	<0.50	<0.50	0.54	<0.50	100	2.6
		09/26/01			19.95	13.11	<50.0	<0.50	<0.50	<0.50	<0.50	210	1.8
		12/29/01			22.40	10.66	<50.0	<0.50	<0.50	<0.50	<0.50	190	2.0
		03/13/02			21.75	11.31	200	<0.50	<0.50	<0.50	<0.50	310	3.4
MW-13		03/13,15/96		35.42	10.90	24.52	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28,29/96			12.90	22.52	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			13.89	21.53	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			13.41	22.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			13.11	22.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			13.98	21.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			14.09	21.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		11/24,25/97			13.90	21.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		03/19,20/98			11.80	23.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
		06/04/98			12.63	22.79	<50	<0.30	<0.30	<0.30	<0.60	<10	1.3
		09/21,22/98			13.77	21.65	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/14,15/98			13.28	22.14	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		03/15,16/99	b		12.48	22.94	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.2
		06/14,15/99			---------- Removed From Gauging and Sampling Program ----------								
MW-14		03/13,15/96		30.46	6.63	23.83	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			8.83	21.63	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			9.83	20.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			9.33	21.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			9.04	21.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			9.94	20.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			10.08	20.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		11/24,25/97			9.78	20.68	<50	<0.50	<0.50	<0.50	<0.50	2.9	2.6
		03/19/98			7.92	22.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		06/03/98			8.52	21.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.1
		09/21,22/98			9.72	20.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.8
		12/14/98			9.15	21.31	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.8
		03/15,16/99			8.20	22.26	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number	Date Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-14	06/14,15/99		9.54	20.92	Well Sampled Annually						
(cont.)	09/15/99		9.98	20.48	Well Sampled Annually						
	12/08,09/99		9.84	20.62	Well Sampled Annually						
	03/15/00		7.78	22.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
	06/13/00 b		9.45	21.01	Well Sampled Annually						
	9/19,20/00		9.68	20.78	Well Sampled Annually						
	12/14,15/00		9.14	21.32	Well Sampled Annually						
	3/8,9/01		8.10	22.36	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	06/14/01		9.51	20.95	Well Sampled Annually						
	09/26/01		9.96	20.50	Well Sampled Annually						
	12/29/01		7.62	22.84	Well Sampled Annually						
	03/13/02		8.56	21.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
MW-15	03/13,15/96	31.41	8.13	23.28	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96		10.30	21.11	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.30	20.11	<50	<0.50	<0.50	<0.50	<0.50	5.3	NM
	11/25/96		10.83	20.58	<50	<0.50	<0.50	<0.50	<0.50	12	NM
	03/31-04/01/97		10.45	20.96	<50	<0.50	<0.50	<0.50	<0.50	7.2	NM
	06/25/97		11.39	20.02	<50	<0.50	<0.50	<0.50	<0.50	7.0	NM
	09/09,10/97		11.50	19.91	Well Inaccessible						
	11/24,25/97				Well Inaccessible						
	03/19/98		9.15	22.26	<50	<0.50	<0.50	<0.50	<0.50	5.3	2.2
	06/04/98		NM		Well Inaccessible						
	09/21,22/98		NM		Well Inaccessible						
	12/14/98		10.63	20.78	<50	<0.50	<0.50	<0.50	<0.50	48.2	1.8
	03/15,16/99		NM		Well Inaccessible						
	06/14,15/99		NM		Well Inaccessible						
	09/15, 16/99		NM		Well Inaccessible						
	12/08,09/99		11.28	20.13	<50	<0.5	<0.5	<0.5	<0.5	167.0	NM
	03/15/00		9.03	22.38	<50	<0.5	<0.5	<0.5	<0.5	82.1	1.5
	03/15/00 a		--	--	--	--	--	--	--	105	--
	06/13/00 b		10.96	20.45	<50	<0.5	0.703	<0.5	0.870	69.8	2.0
	9/19,20/00		11.10	20.31	<50	<0.5	<0.5	<0.5	<0.5	156.0	2.2
	12/14,15/00		NM	NA	Well Inaccessible						
	3/8,9/01		9.48	21.93	<50	<0.5	<0.5	<0.5	<0.5	63.6	2.6
	06/14/01		10.95	20.46	<50	<0.5	<0.5	<0.5	<0.5	26.0	3.0
	09/26/01		11.38	20.03	<50	<0.5	<0.5	<0.5	<0.5	17.0	1.2
	12/29/01		9.41	22.00	<50	<0.5	<0.5	<0.5	<0.5	30.0	2.2
	03/13/02		10.03	21.38	<50	<0.5	<0.5	<0.5	<0.5	21.0	1.2
MW-16	03/13/96	31.39	8.62	22.77	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		10.90	20.49	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.84	19.55	<50	<0.50	<0.50	<0.50	<0.50	89	NM
	11/25/96		11.32	20.07	<50	<0.50	<0.50	<0.50	<0.50	66	NM
	03/31-04/01/97		11.06	20.33	<50	<0.50	<0.50	<0.50	<0.50	49	NM
	06/25/97		11.92	19.47	<50	<0.50	<0.50	<0.50	<0.50	59	NM
	09/09,10/97		12.03	19.36	<50	<0.50	<0.50	<0.50	<0.50	63	3.0
	09/09,10/97 a		--	--	--	--	--	--	--	86	--
	11/24,25/97		11.76	19.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	03/19/98		9.80	21.59	<50	<0.50	<0.50	<0.50	<0.50	8.4	3.0
	06/03/98		10.55	20.84	<50	<0.50	<0.50	<0.50	<0.50	22	1.6
	09/21,22/98		11.77	19.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.2
	12/14/98		11.20	20.19	<50	<0.50	<0.50	<0.50	<0.50	25	1.0
	03/15,16/99		10.30	21.09	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.6
	06/14,15/99		11.55	19.84	<50	<0.50	<0.50	<0.50	<0.50	3.13	3.4
	09/15/99		11.99	19.40	<50	<0.50	<0.50	<0.50	<0.50	8.70	3.8
	12/08,09/99		11.80	19.59	<50	<0.50	<0.50	<0.50	<0.50	10.1	2.4
	03/15/00		9.55	21.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/13/00 b		11.64	19.75	<50	<0.50	0.517	<0.50	0.603	6.29	1.0
	9/19,20/00		11.64	19.75	<50	<0.50	<0.50	<0.50	<0.50	5.01	2.0
	12/14,15/00		11.25	20.14	<50	<0.50	<0.50	<0.50	<0.50	6.14	2.0
	3/8,9/01		10.01	21.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/14/01		11.47	19.92	<50	<0.50	<0.50	<0.50	<0.50	2.5	2.6
	09/26/01		11.93	19.46	<50	<0.50	<0.50	<0.50	<0.50	3.8	1.8
	12/29/01		9.71	21.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/13/02		10.51	20.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
MW-17					Well Destroyed						
MW-18	03/13/96	29.70	7.53	22.17	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		9.88	19.82	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.82	18.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.18	19.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM

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

Well Number	Date Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-18	03/31-04/01/97		10.14	19.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
(cont.)	06/25/97		10.94	18.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		11.00	18.70	<50	<0.50	<0.50	<0.50	<0.50	<2.5	4.0
	11/24,25/97		10.65	19.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
	03/19/98		8.95	20.75	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	06/03/98		9.57	20.13	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8
	09/21,22/98		10.80	18.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	12/14/98		10.18	19.52	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.6
	03/15,16/99		9.20	20.50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	06/14,15/99		10.60	19.10	---------- Well Sampled Annually ----------						
	09/15/99		10.96	18.74	---------- Well Sampled Annually ----------						
	12/08,09/99		10.79	18.91	---------- Well Sampled Annually ----------						
	03/15/00		8.80	20.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/13/00 b		10.60	19.10	---------- Well Sampled Annually ----------						
	9/19,20/00		10.63	19.07	---------- Well Sampled Annually ----------						
	12/14,15/00		10.39	19.31	---------- Well Sampled Annually ----------						
	3/8,9/01		9.03	20.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
	06/14/01		10.40	19.30	---------- Well Sampled Annually ----------						
	09/26/01		10.91	18.79	---------- Well Sampled Annually ----------						
	12/29/01		8.24	21.46	---------- Well Sampled Annually ----------						
	03/13/02		9.46	20.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
MW-19	03/13/96	29.02	7.06	21.96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		9.42	19.60	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.33	18.69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		9.67	19.35	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		9.65	19.37	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		10.41	18.61	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		10.47	18.55	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	11/24,25/97		10.35	18.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.6
	03/19/98		8.67	20.35	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/03/98		9.15	19.87	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2
	09/21,22/98		10.28	18.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	12/14/98		9.70	19.32	<50	<0.50	<0.50	0.588	0.647	<2.0	2.4
	03/15,16/99	---------- Well Inaccessible ----------									
	06/14,15/99	---------- Removed From Gauging and Sampling Program ----------									
MW-20		---------- Well Destroyed ----------									
MW-21	03/13/96	28.72	7.58	21.14	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96		9.85	18.87	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.75	17.97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.00	18.72	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		10.03	18.69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		10.83	17.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		10.90	17.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	11/24,25/97		10.50	18.22	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	03/19/98		9.08	19.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.08
	06/03/98		9.57	19.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.6
	09/21,22/98		10.75	17.97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	12/14/98		10.11	18.61	<50	<0.50	<0.50	<0.50	<0.50	<2.0	0.6
	03/15,16/99		9.10	19.62	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	06/14,15/99		10.58	18.14	---------- Well Sampled Annually ----------						
	09/15/99		10.93	17.79	---------- Well Sampled Annually ----------						
	12/08,09/99		10.70	18.02	---------- Well Sampled Annually ----------						
	03/15/00		8.95	19.77	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.3
	06/13/00 b		10.97	17.75	---------- Well Sampled Annually ----------						
	9/19,20/00		10.66	18.06	---------- Well Sampled Annually ----------						
	12/14,15/00		10.30	18.42	---------- Well Sampled Annually ----------						
	3/8,9/01		9.00	19.72	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	06/14/01		10.40	18.32	---------- Well Sampled Annually ----------						
	09/26/01		10.75	17.97	---------- Well Sampled Annually ----------						
	12/29/01		7.86	20.86	---------- Well Sampled Annually ----------						
	03/13/02		9.40	19.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.2
MW-22	03/13/96	29.29	7.83	21.46	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		10.33	18.96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.28	18.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.61	18.68	<50	<0.50	<0.50	<0.50	<0.50	3.0	NM
	12/30/96		10.61	18.68	NA	NA	NA	NA	NA	3.3	NM
	03/31-04/01/97		10.56	18.73	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		11.51	17.78	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		11.45	17.84	<50	<0.50	<0.50	<0.50	<0.50	3.4	1.0
	11/24,25/97		11.08	18.21	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
	03/19/98		9.40	19.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	06/03/98		10.00	19.29	<50	<0.50	<0.50	<0.50	<0.50	0.87	3.2
	09/21,22/98		11.27	18.02	<50	<0.50	<0.50	<0.50	<0.50	2.1	2.8
	12/14/98		10.65	18.64	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.4
	03/15,16/99		9.67	19.62	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	06/14,15/99		11.06	18.23	<50	<0.50	<0.50	<0.50	<0.50	5.06	1.0
	09/15/99 a		11.46	17.83	<50	<0.50	<0.50	<0.50	<0.50	49.2	1.2
	12/08,09/99		11.25	18.04	<50	<0.50	<0.50	<0.50	<0.50	17.9	1.4

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number	Date Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-22	03/15/00		9.20	20.09	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.1
(cont.)	06/13/00 b		11.06	18.23	<50	<0.50	<0.50	<0.50	<0.50	6.85	1.0
	9/19,20/00		11.12	18.17	<50	<0.50	<0.50	<0.50	<0.50	3.18	1.8
	12/14,15/00		10.85	18.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	3/8,9/01		9.43	19.86	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
	06/14/01		10.98	18.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	09/26/01		11.41	17.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
	12/29/01		8.78	20.51	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/13/02		9.86	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
MW-23	03/13/96	30.99	9.13	21.86	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		11.37	19.62	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		12.31	18.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		11.76	19.23	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		11.56	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		12.39	18.60	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		12.53	18.46	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	11/24,25/97		12.13	18.86	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	03/19/98		10.22	20.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
	06/03/98		11.03	19.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3
	09/21,22/98		12.31	18.68	<50	<0.50	0.54	1.9	<0.50	<2.5	2.2
	12/14/98		11.67	19.32	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.0
	03/15,16/99		10.82	20.17	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6
	06/14,15/99		12.08	18.91	Well Sampled Annually						
	09/15/99		12.48	18.51	Well Sampled Annually						
	12/08,09/99		12.29	18.70	Well Sampled Annually						
	03/15/00		10.04	20.95	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	06/13/00 b		11.95	19.04	Well Sampled Annually						
	9/19,20/00		12.15	18.84	Well Sampled Annually						
	12/14,15/00		12.25	18.74	Well Sampled Annually						
	3/8,9/01		10.49	20.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	06/14/01		11.97	19.02	Well Sampled Annually						
	09/26/01		12.40	18.59	Well Sampled Annually						
	12/29/01		10.42	20.57	Well Sampled Annually						
	03/13/02		11.01	19.98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
MW-24	03/13,15/96	34.38	10.10	24.28	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		12.25	22.13	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		13.28	21.10	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		12.71	21.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		12.50	21.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		13.38	21.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		13.46	20.92	<50	<0.50	<0.50	<0.50	<0.50	<2.5	5.0
	11/24,25/97		13.25	21.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/19,20/98		11.32	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	06/04/98		12.00	22.38	<50	<0.30	<0.30	<0.30	<0.60	<10	0.8
	09/21,22/98		13.13	21.25	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	12/14,15/98		12.53	21.85	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
	03/15,16/99		11.58	22.80	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.0
	06/14,15/99	Removed From Gauging and Sampling Program									
MW-25	03/13,14/96	34.12	9.61	24.51	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96		11.30	22.82	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28,29/96		12.32	21.80	<50	<0.50	<0.50	<0.50	<0.50	51	NM
	11/25/96		11.83	22.29	<50	<0.50	<0.50	<0.50	<0.50	110	NM
	03/31-04/01/97		11.55	22.57	<50	<0.50	<0.50	<0.50	<0.50	39	NM
	06/25/97		14.57	19.55	<50	<0.50	<0.50	<0.50	<0.50	49	NM
	09/09,10/97		12.45	21.67	<50	<0.50	<0.50	<0.50	<0.50	78	1.0
	09/09,10/97 a		--	--	--	--	--	--	--	79	--
	11/24,25/97		12.30	21.82	<50	<0.50	<0.50	<0.50	<0.50	130	0.0
	03/19,20/98		10.18	23.94	<50	<0.50	<0.50	<0.50	<0.50	96	1.8
	06/04/98		11.00	23.12	<50	<0.30	<0.30	<0.30	<0.60	44	0.8
	09/21,22/98		12.13	21.99	<50	<0.50	<0.50	<0.50	<0.50	150	0.4
	12/14,15/98		11.60	22.52	<50	<0.50	<0.50	<0.50	<0.50	44	1.0
	03/15,16/99		10.78	23.34	<50	<0.50	<0.50	<0.50	<0.50	26.6	2.0
	06/14,15/99		11.97	22.15	<50	<0.50	<0.50	<0.50	<0.50	98.9	2.2
	09/15,16/1999		12.34	21.78	<50	<0.50	<0.50	<0.50	<0.50	66.4	NM
	12/08,09/99		12.25	21.87	<50	<0.50	<0.50	<0.50	<0.50	55.5	0.0
	03/15/00		10.16	23.96	<50	<0.50	<0.50	<0.50	<0.50	154	1.0
	03/15/00 a		--	--	--	--	--	--	--	206	--
	06/13/00 b		11.72	22.40	<50	<0.50	<0.50	<0.50	<0.50	77.7	1.0
	9/19,20/00		12.08	22.04	<50	1	<0.50	<0.50	<0.50	192	1.2
	12/14,15/00		11.74	22.38	<50	<0.50	<0.50	<0.50	<0.50	134	4.0
	3/8,9/01		10.53	23.59	<50	<0.50	<0.50	<0.50	<0.50	140	2.6
	06/14/01		11.95	22.17	<50	<0.50	<0.50	<0.50	<0.50	150	2.6
	09/26/01		12.22	21.90	<50	<0.50	<0.50	<0.50	<0.50	84	1.0
	12/29/01 c	33.81	10.32	23.49	73	<0.50	<0.50	1	7	94	2.2
	03/13/02		10.99	22.82	57	<0.50	<0.50	<0.50	<0.50	89	2.6
MW-26	03/13,15/96	33.71	9.38	24.33	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		11.57	22.14	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28,29/96		12.55	21.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		12.03	21.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		11.84	21.87	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		12.94	20.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

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

MtBE = Methyl tert-butyl ether
MSL = Mean sea level
TOB = Top of box
ppb = Parts per billion
ppm = Parts per million
< = Less than laboratory detection limit
† = Well sampled without purging.
†† = ORC program initiated September 21, 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	NS		NM
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	06/25/97 a	NS	NS	NS	NS	NS	NS		NM
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.0
	11/24/97 a	NS	NS	NS	NS	NS	NS		NM
	03/19/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5		1.0
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	<0.50		3.8
	09/21/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5		3.2
	12/14/98	<50	<0.50	<0.50	<0.50	<0.50	<2.0		2.2
	03/15/99 a	NS	NS	NS	NS	NS	NS		NM
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	09/15/99 a	NS	NS	NS	NS	NS	NS		NM
	12/08/99 a	NS	NS	NS	NS	NS	NS		NM
	03/15/00 a	NS	NS	NS	NS	NS	NS		NM
	06/13/00 a	NS	NS	NS	NS	NS	NS		NM
	---------- Well Destroyed ----------								
633 H	03/14/96	480	10	11	1.8	140	NA		NM
	05/13/96 b	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	3.70		NM
	12/30/96	--	--	--	--	--	4.9	c	NM
	03/31/97	NS	NS	NS	NS	NS	NS		NM
	06/25/97 a	NS	NS	NS	NS	NS	NS		NM
	09/10/97	<50	<0.50	<0.50	<0.50	0.66	<2.5		1.0
	11/24/97	110	2.0	2.1	1.0	4.2	<2.5	c	NM
	03/19/98	150	1.8	0.62	<0.50	28	77		NM
	03/19/98	--	--	--	--	--	<2.0	c	NM
	06/03/98	480	6.2	4.3	2.9	120	28		1.3
	09/21/98	<50	<0.50	<0.50	<0.50	0.66	<2.5		1.2
	12/14/98	<50	<0.50	<0.50	<0.50	2.21	11.7		NM
	03/15/99	<50	0.513	<0.50	<0.50	0.542	31		NM
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	7.93		NM
	09/15/99	<50	<0.50	<0.50	<0.50	<0.50	5.65		0.0
	12/08/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0		1.4
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	17.5		1.2
	06/13/00	240	5.03	1.01	2.39	63.8	10.5		NM
	---------- Well Destroyed ----------								
634 H	03/13/96 a	NS	NS	NS	NS	NS	NA		NM
	05/27/96 a	NS	NS	NS	NS	NS	NA		NM
	08/29/96 a	NS	NS	NS	NS	NS	NA		NM
	11/26/96	NS	NS	NS	NS	NS	NS		NM
	03/31/97	NS	NS	NS	NS	NS	NS		NM
	06/25/97 a	NS	NS	NS	NS	NS	NS		NM
	09/09/97 g	NS	NS	NS	NS	NS	NS		NM
	11/24/97 g	NS	NS	NS	NS	NS	NS		NM
	03/19/98 e	NS	NS	NS	NS	NS	NS		NM

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

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

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

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

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San Lorenzo, California

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

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San Lorenzo, California

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)		Dissolved Oxygen (ppm)
17349 VM	06/03/98	860	8.7	<0.50	0.7	8.0	38		4.9
(cont.)	07/29/98	860	20	2.1	<1.2	<1.2	27		NM
	07/29/98	--	--	--	--	--	25	c	NM
	09/21/98	200	<0.50	<0.50	<0.50	14	14		5.2
	12/14/98	254	<0.50	6.92	0.604	1.58	21.7		1.0
	03/15/99	172	1.35	<0.50	<0.50	<0.50	24.2		3.6
	06/14/99	91	<0.50	3.53	<0.50	<0.50	88.3		2.8
	09/15/99 a	133	<0.50	<0.50	<0.50	<0.50	184		2.2
	12/08/99	136	0.681	<0.50	<0.50	<0.50	267	c	2.4
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	82.1	c	2.8
	06/13/00	319	5.28	<0.5	<0.50	<0.50	97.1		NM
	06/13/00	--	--	--	--	--	85.1	c	NM
	09/19/00	106	<0.50	2	<0.50	<0.50	204.0		NM
	09/19/00	--	--	--	--	--	84.0	c	NM
	12/14/00	65.9	0.61	<0.50	<0.50	<0.50	188.0		1.8
	12/14/00	--	--	--	--	--	197.0	c	NM
	03/08/01	<50	<0.50	<0.50	<0.50	<0.50	91.8		1.8
	03/08/01	--	--	--	--	--	98.3	c	NM
	06/14/01	<50	<0.50	<0.50	<0.50	<0.50	68.0		2.8
	06/14/01	--	--	--	--	--	99.0	c	NM
	09/26/01	52	0.53	<0.50	<0.50	<0.50	49.0		1.8
	09/26/01	--	--	--	--	--	54.0	c	
	12/29/01	<50.0	<0.50	0.78	<0.50	<0.50	58.0		NM
	12/29/01	--	--	--	--	--	48.0	c	NM
	03/13/02	<50.0	1	<0.50	<0.50	<0.50	49.0		2.0
	03/13/02	--	--	--	--	--	47.0	c	NM
17371 VM	03/13/96 e	NS	NS	NS	NS	NS	NA		NM
	05/27/96 e	NS	NS	NS	NS	NS	NA		NM
	08/29/96 e	NS	NS	NS	NS	NS	NA		NM
	11/26/96 e	NS	NS	NS	NS	NS	NS		NM
	03/31/97 e	NS	NS	NS	NS	NS	NS		NM
	06/25/97 e	NS	NS	NS	NS	NS	NS		NM
	09/09/97 e	NS	NS	NS	NS	NS	NS		NM
	11/24/97 e	NS	NS	NS	NS	NS	NS		NM
	03/19/98 e	NS	NS	NS	NS	NS	NS		NM
	06/03/98 e	NS	NS	NS	NS	NS	NS		NM
	09/21/98 e	NS	NS	NS	NS	NS	NS		NM
	12/14/98 e	NS	NS	NS	NS	NS	NS		NM
	03/15/99 e	NS	NS	NS	NS	NS	NS		NM
	06/14/99 e	NS	NS	NS	NS	NS	NS		NM
	09/15/99 e	NS	NS	NS	NS	NS	NS		NM
	12/08/99 f	NS	NS	NS	NS	NS	NS		NM
	03/15/00 f	NS	NS	NS	NS	NS	NS		NM
	06/13/00 f	NS	NS	NS	NS	NS	NS		NM
	09/19/00 f	NS	NS	NS	NS	NS	NS		NM
	12/14/00 f	NS	NS	NS	NS	NS	NS		NM
	03/08/01 f	NS	NS	NS	NS	NS	NS		NM
	06/14/01 f	NS	NS	NS	NS	NS	NS		NM
	09/26/01 f	NS	NS	NS	NS	NS	NS		NM
	12/29/01 f	NS	NS	NS	NS	NS	NS		NM
	03/13/02 f	NS	NS	NS	NS	NS	NS		NM
17372 VM	03/14/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		4.0
	11/24/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.0
	03/19/98	<50	<0.50	<0.50	<0.50	<0.50	1,200		1.8
	03/19/98	--	--	--	--	--	1,400	c	NM
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	16,000		1.8
	07/29/98	<200	<2.0	<2.0	<2.0	<2.0	940		NM

Table 3
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San Lorenzo, California

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)		Dissolved Oxygen (ppm)
17372 VM	07/29/98	--	--	--	--	--	1,100	c	NM
(cont.)	09/21/98	<50	<0.50	<0.50	<0.50	<0.50	200		1.6
	09/21/98	--	--	--	--	--	360	c	NM
	12/14/98	<50	<0.50	0.823	<0.50	<0.50	20.1		3.8
	03/15/99	<50	<0.50	<0.50	<0.50	<0.50	6.66		4.6
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	3.33		4.0
	09/15/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0		2.0
	12/08/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0		NM
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		1.6
	06/13/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	09/19/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	12/14/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.0
	03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.4
	06/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.8
	09/26/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.2
	12/29/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.1
	03/13/02	<51	<0.50	<0.50	<0.50	<0.50	<2.6		1.8
17393 VM	03/14/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
VM	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	03/31/97 a	NS	NS	NS	NS	NS	NS		NM
	06/25/97	Well Destroyed							

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

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

ATTACHMENT D

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

T0600100085	MW-5	ACT	06/29/2005	11.35	13.58
N					
T0600100085	MW-8	ACT	06/29/2005	09.93	20.89
N					
T0600100085	MW-9	ACT	06/29/2005	09.28	18.18
N					
T0600100085	MW-10	ACT	06/29/2005	09.45	22.42
N					
T0600100085	MW-11	ACT	06/29/2005	10.37	18.78
N					
T0600100085	E-1A	ACT	06/29/2005	15.13	
N					
T0600100085	MW-14	ACT	06/29/2005	08.77	23.05
N					
T0600100085	MW-15	NOACC	06/29/2005		
N					
T0600100085	MW-16	ACT	06/29/2005	10.60	23.10
N					
T0600100085	MW-18	ACT	06/29/2005	09.65	21.45
N					
T0600100085	MW-21	ACT	06/29/2005	09.48	21.50
N					
T0600100085	MW-22	ACT	06/29/2005	10.25	21.45
N					
T0600100085	MW-23	ACT	06/29/2005	11.28	21.65
N					
T0600100085	MW-25	ACT	06/29/2005	10.91	18.48
N					
T0600100085	MW-26	ACT	06/29/2005	11.30	19.47
N					
T0600100085	642H	NOACC	06/29/2005		
T0600100085	17372VM	NOACC	06/29/2005		

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:	7/28/2005 11:20:03 AM

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UPLOADING A GEO_WELL FILE

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

Submittal Title:	**2Q05 BP/ARCO 608 GEOWELL**
Submittal Date/Time:	**7/28/2005 11:20:54 AM**
Confirmation Number:	**1926527261**

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CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	7/22/2005 6:12:46 PM
GLOBAL ID:	T0600100085
FILE UPLOADED:	ARCO#0608-EDF-MOG0001.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

Click here to view the detections report for this upload.

ARCO # 00608
17601 HESPERIAN BLVD
SAN LORENZO, CA 94580

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

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N

MISSING PARAMETERS NOT TESTED:

- 8260FA REQUIRES DBFM TO BE TESTED
- 8260FA REQUIRES BR4FBZ TO BE TESTED

- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

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: 4098581194
Date/Time of Submittal: 7/22/2005 6:13:39 PM
Facility Global ID: T0600100085
Facility Name: ARCO # 00608
Submittal Title: 2Q05 EDF BP/ARCO 608
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO # 00608
17601 HESPERIAN BLVD
SAN LORENZO, CA 94580

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

CONF #	TITLE	QUARTER
4098581194	2Q05 EDF BP/ARCO 608	Q2 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	7/22/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0

DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

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

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

FIELD SERVICES / ROUTINE O&M REQUEST

Identification

Project #	38487015 Cost Code: 0033501
Station #	ARCO 0608
Site Address:	17601 Hesperian Blvd.
County:	San Lorenzo CA
Project Manager:	Scott Robinson (874-3280)
Lead Engineer:	Amber Budd (874-1769)
Client:	BP
Client P.O.C.:	Paul Supple
Revision Date:	
Laboratory:	STL

Site Remedial Technologies : Groundwater Extraction (GWE)

Permit Type : POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-de Mob	Completed
GWE (A, B, E)	Every Visit		0.5		
GWE (C, D, G)	Monthly				
GWE (F)	Quarterly				

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

RECEIVED
JUN 2 [illegible]
BP UNIT

Comments: _____

System Under Compliance: _____

(If no, was the Engineer/PM contacted?)

Field Technician Response:

Completed by:	V. NGUYEN	Date:	6-23-05
Arrival time:	0600	Departure time:	0630
Sample this visit?:	NO	Engineer contacted?	NO

SS
06/29/05

Date: 6-23-05

Groundwater Extraction & Treatment System
ARCO Service Station No. 0608
17601 Hesperian Blvd.
San Lorenzo CA

System Description:

Groundwater Extraction Wells

Extraction Well	Size	Type	Control	Screen Interval	Set Depth (TOB)	Well Online (Yes/No)	Totalizer Reading (gallons
E-1A	3"	Electric	Auto		23.9	YES	N/A

Abatement Device: Carbon Vessels: three ASC-2,400 lbs
Filter: Rosedale P2 25 micron

Equipment Required: pH meter, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon arrival? YES (if no, specify reason in comments)
System on departure? YES (if no, specify reason in comments)
Filter Changed? NO

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4337710	
ELECTRIC METER READING (kWh)	4.5/3/3/6.5/5	N/A
Hour Meter Reading (hrs)	44956.0 (per well EA-1)	N/A
Holding Tank Level	N/A	N/A
FILTER INLET PRESSURE (psig)	(Change filter if pressure > 30 psig) 20	After changing filter =
CARBON #1 INLET PRESSURE (psig)	(Backflush if pressure > 20 psig) 17	After backflush =
CARBON #2 INLET PRESSURE (psig)	(Backflush if pressure > 10 psig) 9.5	After backflush =
CARBON #3 INLET PRESSURE (psig)	(Backflush if pressure > 10 psig) 5.0	After backflush =
DISCHARGE PRESSURE (psig)	1.0	
EFF FLOW RATE (gpm)	7.5	

PART B: COMMENTS

PART C: WELL DATA (Monthly)

*** Allow system to run 1 hour before obtaining DTW readings**

Well ID	Size	Time	DTW (Feet)	TD (Feet)
E-1A				
UST-A				
UST-B				
SP1-V4				

N/A

PART D: SAMPLING & READINGS (Monthly during week 1)

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14-*day TAT*	3X40 mL HCl VOA's	
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14-*day TAT*	3X40 mL HCl VOA's	
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14-*day TAT*	3X40 mL HCl VOA's	
EFFLUENT	GRO/BTEX /Fuel Oxys (EPA 8260), COD (410.4), TSS (160.2), 14-*day TAT*	3X40 mL HCl VOA's, 1unpreserved, 1 H_2SO_4	
TRIP BLANK	GRO/BTEX, EPA 8260 *(on Hold)*	3X40 mL VOA supplied by the lab	

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	N/A	**Enclosure Swept?**	Yes
Test Compound Float Switch?	Yes	**Test Filter Pressure Switch?**	N/A
Air Solenoid Valve?	N/A	**Number of Spare Filters On Site?**	0. EA
Test Holding Tank Switches?	N/A		

PART F: SYSTEM MAINTENANCE (Months 1, 4, 7, 10)

Submerssible Pumps Checked?		**Flow Totalizers Cleaned?**	
Control Logics Checked?			

N/A

PART G: READINGS (Monthly during week 1)

EFFLUENT	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
permit limits:	5.5 to 12.5	150°F		

FIELD SERVICES / ROUTINE O&M REQUEST

Identification

Project #	38487015 Cost Code: 0033501
Station #	ARCO 0608
Site Address:	17601 Hesperian Blvd.
County:	San Lorenzo CA
Project Manager:	Scott Robinson (874-3280)
Lead Engineer:	Amber Budd (874-1769)
Client:	BP
Client P.O.C.:	Paul Supple
Revision Date:	
Laboratory:	STL

Site Remedial Technologies : Groundwater Extraction (GWE)

Permit Type : POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-de Mob	Completed
GWE (A, B, E)	Every Visit				
GWE (C, D, G)	Monthly				
GWE (F)	Quarterly				

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

Comments:

System Under Compliance: Yes

(If no, was the Engineer/PM contacted?)

Field Technician Response:

Completed by: George Brachka Date: 6/15/05

Arrival time: 1030 Departure time: 1130

Sample this visit?: Yes Engineer contacted? No

RECEIVED

JUN 1 [illegible]

BP UNIT

55

06/17/05

Date: 6/15/05

Groundwater Extraction & Treatment System
ARCO Service Station No. 0608
17601 Hesperian Blvd.
San Lorenzo CA

System Description:

Groundwater Extraction Wells

Extraction Well	Size	Type	Control	Screen Interval	Set Depth (TOB)	Well Online (Yes/No)	Totalizer Reading (gallons
E-1A	3"	Electric	Auto		23.9	Yes	4,325,759

Abatement Device: Carbon Vessels: three ASC-2,400 lbs
Filter: Rosedale P2 25 micron

Equipment Required: pH meter, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon arrival? Yes (if no, specify reason in comments)
System on departure? Yes (if no, specify reason in comments)
Filter Changed? No

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4,325,759	4,325,824
ELECTRIC METER READING (kWh)	43162	N/A
Hour Meter Reading (hrs)	[redacted] 21,727.7	N/A
Holding Tank Level	N/A	N/A
FILTER INLET PRESSURE (psig)	19.0 (Change filter if pressure > 30 psig)	After changing filter =
CARBON #1 INLET PRESSURE (psig)	17.0 (Backflush if pressure > 20 psig)	After backflush =
CARBON #2 INLET PRESSURE (psig)	10.0 (Backflush if pressure > 10 psig)	After backflush =
CARBON #3 INLET PRESSURE (psig)	4.5 (Backflush if pressure > 10 psig)	After backflush =
DISCHARGE PRESSURE (psig)	0.5	
EFF FLOW RATE (gpm)	1.3	

PART B: COMMENTS

PART C: WELL DATA (Monthly)
*** Allow system to run 1 hour before obtaining DTW readings**

Well ID	Size	Time	DTW (Feet)	TD (Feet)
E-1A				
UST-A				
UST-B				
SP1-V4				

PART D: SAMPLING & READINGS (Monthly during week 1)

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	6/15
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	6/15
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	6/15
EFFLUENT	GRO/BTEX /Fuel Oxys (EPA 8260), COD (410.4), TSS (160.2), 14-*day TAT*	3X40 mL HCl VOA's, 1unpreserved, 1 H_2SO_4	6/15
TRIP BLANK	GRO/BTEX, EPA 8260 *(on Hold)*	3X40 mL VOA supplied by the lab	6/15

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	N/A	Enclosure Swept?	N/A
Test Compound Float Switch?	Yes	Test Filter Pressure Switch?	Yes
Air Solenoid Valve?	N/A	Number of Spare Filters On Site?	0
Test Holding Tank Switches?	N/A		

PART F: SYSTEM MAINTENANCE (Months 1, 4, 7, 10)

Submersible Pumps Checked?		Flow Totalizers Cleaned?	
Control Logics Checked?			

PART G: READINGS (Monthly during week 1)

	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
EFFLUENT	6.78	22.0 °C		
permit limits:	5.5 to 12.5	150°F	1569 µS	1.24

Chain of Custody Record

On-site Time:	1030 Temp: 72
Off-site Time:	1130 Temp: 75
Sky Conditions:	Sunny - Warm
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: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 6/30/05
(14- day TAT)

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.:	Station 608
BP/AR Facility Address:	17601 Hesperian Blvd, San Lorenzo
Site Lat/Long:	37.673888 / -122.123
California Global ID No.:	T0001000035
Enfos Project No.:	G0C24-0005
Provision or RCOP :	Provision
Phase/WBS:	03 - O&M
Sub Phase/Task:	03 - Analytical
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	1110	6/15		X			3				X		X			
2	MID-1	1105	6/15		X			3				X		X			
3	MID-2	1100	6/15		X			3				X		X			
4	EFFL	1050	6/15		X			3				X		X			
5	EFFL	1050	6/15		X			1	X							X	
6	EFFL	1050	6/15		X			1		X					X		
7	TRIP BLANK	1030	6/15		X			3				X					HOLD
8																	
9																	
10																	

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	George Bandstra		6/15/05	1450		6-16-05	1450
Sampler's Company:	URS Corp						
Shipment Date:	6/15/05						
Shipment Method:	Fed-Ex (Courier)						
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

FIELD SERVICES / ROUTINE O&M REQUEST

Identification

Project #	38487015 Cost Code: 0033501
Station #	ARCO 0608
Site Address:	17601 Hesperian Blvd.
County:	San Lorenzo CA
Project Manager:	Scott Robinson (874-3280)
Lead Engineer:	Amber Budd (874-1769)
Client:	BP
Client P.O.C.:	Paul Supple
Revision Date:	
Laboratory:	STL

Site Remedial Technologies : Groundwater Extraction (GWE)
Permit Type : POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-dc Mob	Completed
GWE (A, B, E)	Every Visit				
GWE (C, D, G)	Monthly				
GWE (F)	Quarterly				

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

Comments:

System Under Compliance: NS

(If no, was the Engineer/PM contacted?)

Field Technician Response:

Completed by: [signature] Date: 6/8/05

Arrival time: 0900 Departure time:

Sample this visit?: No Engineer contacted? No

Date: 6/2/05

Groundwater Extraction & Treatment System
ARCO Service Station No. 0608
17601 Hesperian Blvd.
San Lorenzo CA

System Description:

Groundwater Extraction Wells

Extraction Well	Size	Type	Control	Screen Interval	Set Depth (TOB)	Well Online (Yes/No)	Totalizer Reading (gallons)
E-1A	3"	Electric	Auto		23.9	Yes	4,304,727

Abatement Device: Carbon Vessels: three ASC-2,400 lbs
Filter: Rosedale P2 25 micron

Equipment Required: pH meter, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon arrival? Yes (if no, specify reason in comments)
System on departure? Yes (if no, specify reason in comments)
Filter Changed? Yes

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4,304,727	4,304,731
ELECTRIC METER READING (kWh)	43996 kWh	N/A
Hour Meter Reading (hrs)	21414.6	N/A
Holding Tank Level	N/A	N/A
FILTER INLET PRESSURE (psig)	18.0 (Change filter if pressure > 30 psig)	After changing filter = 16.0
CARBON #1 INLET PRESSURE (psig)	16.5 (Backflush if pressure > 20 psig)	After backflush = 15.4
CARBON #2 INLET PRESSURE (psig)	9.2 (Backflush if pressure > 10 psig)	After backflush = 9.4
CARBON #3 INLET PRESSURE (psig)	4.5 (Backflush if pressure > 10 psig)	After backflush = 4.6
DISCHARGE PRESSURE (psig)	0	0
EFF FLOW RATE (gpm)	1.2	

PART B: COMMENTS

Bag Filter: Rosedale Products
(313) 665-8201
Model No. 8-30-3P-2-C-B-S-B

PART C: WELL DATA (Monthly)
*** Allow system to run 1 hour before obtaining DTW readings**

Well ID	Size	Time	DTW (Feet)	TD (Feet)
E-1A				
UST-A				
UST-B				
SP1-V4				

PART D: SAMPLING & READINGS (Monthly during week 1) To Be Collected 6/15/05

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	**GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT***	3X40 mL HCl VOA's	
MID 1	**GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT***	3X40 mL HCl VOA's	
MID 1	**GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT***	3X40 mL HCl VOA's	
EFFLUENT	**GRO/BTEX /Fuel Oxys (EPA 8260), COD (410.4), TSS (160.2), 14-*day TAT***	3X40 mL HCl VOA's, 1unpreserved, 1 H_2SO_4	
TRIP BLANK	**GRO/BTEX, EPA 8260** *(on Hold)*	3X40 mL VOA supplied by the lab	

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	N/A	**Enclosure Swept?**	No
Test Compound Float Switch?	Yes	**Test Filter Pressure Switch?**	Yes
Air Solenoid Valve?	N/A	**Number of Spare Filters On Site?**	0
Test Holding Tank Switches?	N/A		

PART F: SYSTEM MAINTENANCE (Months 1, 4, 7, 10) To be completed by

Submerssible Pumps Checked?		**Flow Totalizers Cleaned?**	
Control Logics Checked?			

PART G: READINGS(Monthly during week 3) To be Completed 6/15/05

	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
EFFLUENT				
permit limits:	5.5 to 12.5	150°F		

FIELD SERVICES / ROUTINE O&M REQUEST

Identification

Project #	38487015 Cost Code: 0033501
Station #	ARCO 0608
Site Address:	17601 Hesperian Blvd.
County:	San Lorenzo CA
Project Manager:	Scott Robinson (874-3280)
Lead Engineer:	Amber Budd (874-1769)
Client:	BP
Client P.O.C.:	Paul Supple
Revision Date:	
Laboratory:	STL

Site Remedial Technologies : Groundwater Extraction (GWE)

Permit Type : POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-de Mob	Completed
GWE (A, B, E)	Every Visit				
GWE (C, D, G)	Monthly				
GWE (F)	Quarterly				

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

Comments:

System Under Compliance: Yes

(If no, was the Engineer/PM contacted?)

Field Technician Response:

Completed by: George Burkhalter

Arrival time: 1100

Sample this visit?: Yes

Date: 5/18/05

Departure time: 1230

Engineer contacted? No

RECEIVED

MAY 18 2005

BP UNIT

SS
05/18/05

Date: 5/18/05

Groundwater Extraction & Treatment System
ARCO Service Station No. 0608
17601 Hesperian Blvd.
San Lorenzo CA

System Description:

Groundwater Extraction Wells

Extraction Well	Size	Type	Control	Screen Interval	Set Depth (TOB)	Well Online (Yes/No)	Totalizer Reading (gallons
E-1A	3"	Electric	Auto		23.9		

Abatement Device: Carbon Vessels: three ASC-2,400 lbs
Filter: Rosedale P2 25 micron

Equipment Required: pH meter, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon arrival? Yes (if no, specify reason in comments)
System on departure? Yes (if no, specify reason in comments)
Filter Changed? No

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4,279,875	4,279,950
ELECTRIC METER READING (kWh)	42807 kWh	N/A
Hour Meter Reading (hrs)	21056.5	N/A
Holding Tank Level	N/A	
FILTER INLET PRESSURE (psig)	14.0 (Change filter if pressure > 30 psig)	After changing filter = N/A
CARBON #1 INLET PRESSURE (psig	14.0 (Backflush if pressure > 20 psig)	After backflush = N/A
CARBON #2 INLET PRESSURE (psig	7.9 (Backflush if pressure > 10 psig)	After backflush = N/A
CARBON #3 INLET PRESSURE (psig	4.0 (Backflush if pressure > 10 psig)	After backflush = N/A
DISCHARGE PRESSURE (psig)	0	
EFF FLOW RATE (gpm)	1.2	

PART B: COMMENTS

1,720 gal/day

PART C: WELL DATA (Monthly)
*** Allow system to run 1 hour before obtaining DTW readings**

Well ID	Size	Time	DTW (Feet)	TD (Feet)
E-1A				
UST-A				
UST-B				
SPH-V4				

PART D: SAMPLING & READINGS (Monthly during week 1)

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	5/18/05
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	5/18/05
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	5/18/05
EFFLUENT	GRO/BTEX /Fuel Oxys (EPA 8260), COD (410.4), TSS (160.2), 14-*day TAT*	3X40 mL HCl VOA's, 1unpreserved, 1 H_2SO_4	5/18/05
TRIP BLANK	GRO/BTEX, EPA 8260 *(on Hold)*	3X40 mL VOA supplied by the lab	5/18/05

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	N/A	Enclosure Swept?	No
Test Compound Float Switch?	Yes	Test Filter Pressure Switch?	Yes
Air Solenoid Valve?	N/A	Number of Spare Filters On Site?	0
Test Holding Tank Switches?	N/A		

PART F: SYSTEM MAINTENANCE (Months 1, 4, 7, 10)

Submerssible Pumps Checked?	No	Flow Totalizers Cleaned?	No
Control Logics Checked?	No		

PART G: READINGS(Monthly during week 1)

	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
EFFLUENT	6.56	20.3°C	1004 us	1.75
permit limits:	5.5 to 12.5	150°F		

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): (14-day TAT)	6/3/05

On-site Time:	1100	Temp:	58
Off-site Time:	1200	Temp:	58
Sky Conditions:	Overcast		
Meteorological Events:	Light Rain		
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. 94566	Site Lat/Long:	37.673888 / -122.123
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T0600100085
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	1150	5/18		X			3				X		X			
2	MID-1	1145	5/18		X			3				X		X			
3	MID-2	1140	5/18		X			3				X		X			
4	EFFL	1130	5/18		X			3				X		X			
5	EFFL	1130	5/18		X			1	X							X	
6	EFFL	1130	5/18		X			1		X					X		
7	TRIP BLANK	1100	5/18		X			3				X					HOLD
8																	
9																	
10																	

Sampler's Name:	George Bradshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company:	URS Corporation		5/19/05	1310		
Shipment Date:	5/19/05					
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

FIELD SERVICES / ROUTINE O&M REQUEST

Identification

Project #	38487015 Cost Code: 0033501
Station #	ARCO 0608
Site Address:	17601 Hesperian Blvd.
County:	San Lorenzo CA
Project Manager:	Scott Robinson (874-3280)
Lead Engineer:	Amber Budd (874-1769)
Client:	BP
Client P.O.C.:	Paul Supple
Revision Date:	
Laboratory:	STL

Site Remedial Technologies : Groundwater Extraction (GWE)
Permit Type : POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-de Mob	Completed
GWE (A, B, E)	Every Visit				
GWE (C, D, G)	Monthly				
GWE (F)	Quarterly				

Monthly = once a month during week 1
Quarterly = once every quarter during months 1,4,7,10

Comments:

System Under Compliance: _____
(If no, was the Engineer/PM contacted?)

Field Technician Response:

Completed by: George Brockway
Arrival time: 1230
Sample this visit?: No
Date: 5/4/05
Departure time: 1330
Engineer contacted? No

RECEIVED
MAY 06
BP UNIT

55
05/06/05

Date: 5/4/05

Groundwater Extraction & Treatment System
ARCO Service Station No. 0608
17601 Hesperian Blvd.
San Lorenzo CA

System Description:

Groundwater Extraction Wells

Extraction Well	Size	Type	Control	Screen Interval	Set Depth (TOB)	Well Online (Yes/No)	Totalizer Reading (gallons)
E-1A	3"	Electric	Auto		23.9	Yes	4,269,744

Abatement Device: Carbon Vessels: three ASC-2,400 lbs
Filter: Rosedale P2 25 micron

Equipment Required: pH meter, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon arrival? Yes (if no, specify reason in comments)
System on departure? Yes (if no, specify reason in comments)
Filter Changed? Yes

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4,269,744	4,269,751
ELECTRIC METER READING (kWh)	42731	N/A
Hour Meter Reading (hrs)	20915.2	N/A
Holding Tank Level	N/A	
FILTER INLET PRESSURE (psig)	19.0 (Change filter if pressure > 30 psig)	After changing filter = 18.0
CARBON #1 INLET PRESSURE (psig)	18.0 (Backflush if pressure > 20 psig)	After backflush = 17.3
CARBON #2 INLET PRESSURE (psig)	10.0 (Backflush if pressure > 10 psig)	After backflush = 9.5
CARBON #3 INLET PRESSURE (psig)	4.5 (Backflush if pressure > 10 psig)	After backflush = 4.5
DISCHARGE PRESSURE (psig)	0	
EFF FLOW RATE (gpm)	1.3	

PART B: COMMENTS

PART C: WELL DATA (Monthly)
* Allow system to run 1 hour before obtaining DTW readings

Well ID	Size	Time	DTW (Feet)	TD (Feet)
E-1A				
UST-A				
UST-B				
SP1-V4				

PART D: SAMPLING & READINGS (Monthly during week 2) To be Completed 5/18

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	
EFFLUENT	GRO/BTEX /Fuel Oxys (EPA 8260), COD (410.4), TSS (160.2), 14-*day TAT*	3X40 mL HCl VOA's, 1unpreserved, 1 H_2SO_4	
TRIP BLANK	GRO/BTEX, EPA 8260 *(on Hold)*	3X40 mL VOA supplied by the lab	

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	N/A	Enclosure Swept?	No
Test Compound Float Switch?	Yes	Test Filter Pressure Switch?	Yes
Air Solenoid Valve?	N/A	Number of Spare Filters On Site?	0
Test Holding Tank Switches?	N/A		

PART F: SYSTEM MAINTENANCE (Months 1, 4, 7, 10)

Submerssible Pumps Checked?	No	Flow Totalizers Cleaned?	N
Control Logics Checked?	Yes		

PART G: READINGS(Monthly during week 1)

EFFLUENT	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
permit limits:	5.5 to 12.5	150°F		

FIELD SERVICES / ROUTINE O&M REQUEST

Identification

Project #	38487015 Cost Code: 0033501
Station #	ARCO 0608
Site Address:	17601 Hesperian Blvd.
County:	San Lorenzo CA
Project Manager:	Scott Robinson (874-3280)
Lead Engineer:	Amber Budd (874-1769)
Client:	BP
Client P.O.C.:	Paul Supple
Revision Date:	
Laboratory:	STL

Site Remedial Technologies : Groundwater Extraction (GWE)

Permit Type : POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-de Mob	Completed
GWE (A, B, E)	Every Visit				
GWE (C, D, G)	Monthly				
GWE (F)	Quarterly				

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

Comments:

System Under Compliance: Yes

(If no, was the Engineer/PM contacted?)

Field Technician Response:

Completed by: George Brandshaw — Date: 4/20/05

Arrival time: 1100 — Departure time: 1230

Sample this visit?: Yes — Engineer contacted? No

RECEIVED

APR 22 2005

BP UNIT

SS
04/22/05

Date: 4/22/05

Groundwater Extraction & Treatment System
ARCO Service Station No. 0608
17601 Hesperian Blvd.
San Lorenzo CA

System Description:

Groundwater Extraction Wells

Extraction Well	Size	Type	Control	Screen Interval	Set Depth (TOB)	Well Online (Yes/No)	Totalizer Reading (gallons
B-1A	3"	Electric	Auto		23.9	Yes	4,244,726

Abatement Device: Carbon Vessels: three ASC-2,400 lbs
Filter: Rosedale P2 25 micron

Equipment Required: pH meter, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon arrival? Yes (if no, specify reason in comments)
System on departure? Yes (if no, specify reason in comments)
Filter Changed? No

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4,244,726	4,244,807
ELECTRIC METER READING (kWh)	42,554	N/A
Hour Meter Reading (hrs)	20,577.9	N/A
Holding Tank Level	N/A	No Holding Tank
FILTER INLET PRESSURE (psig)	18.0 (Change filter if pressure > 30 psig)	After changing filter = N/A
CARBON #1 INLET PRESSURE (psig)	17.3 (Backflush if pressure > 20 psig)	After backflush = No backflush System
CARBON #2 INLET PRESSURE (psig)	10.0 (Backflush if pressure > 10 psig)	After backflush = ↓
CARBON #3 INLET PRESSURE (psig)	4.5 (Backflush if pressure > 10 psig)	After backflush = ↓
DISCHARGE PRESSURE (psig)	0.5	
EFF FLOW RATE (gpm)		

PART B: COMMENTS New Form Modifications - No Holding Tank
No Backflush System

PART C: WELL DATA (Monthly) Not Required at this Site

* Allow system to run 1 hour before obtaining DTW readings

Well ID	Size	Time	DTW (Feet)	TD (Feet)
E-1A				
UST-A				
UST-B				
SP1-V4				

PART D: SAMPLING & READINGS (Monthly during week 1)

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	4/20/05
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	4/20/05
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14*day TAT*	3X40 mL HCl VOA's	4/20/05
EFFLUENT	GRO/BTEX /Fuel Oxys (EPA 8260), COD (410.4), TSS (160.2), 14-*day TAT*	3X40 mL HCl VOA's, 1unpreserved, 1 H_2SO_4	4/20/05
TRIP BLANK	GRO/BTEX, EPA 8260 *(on Hold)*	3X40 mL VOA supplied by the lab	4/20/05

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	None	Enclosure Swept?	No
Test Compound Float Switch?	Yes	Test Filter Pressure Switch?	Yes
Air Solenoid Valve?	None	Number of Spare Filters On Site?	0
Test Holding Tank Switches?	None		

PART F: SYSTEM MAINTENANCE (Months 1, 4, 7, 10)

Submerssible Pumps Checked?	Yes	Flow Totalizers Cleaned?	Yes
Control Logics Checked?	Yes		

PART G: READINGS (Monthly during week 1)

EFFLUENT	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
permit limits:	5.5 to 12.5 6.66	150°F 69.8°F 21.0°C	1109 µS	0.67

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): (14- day TAT)	5/5/05

On-site Time:	1100
Temp:	69
Off-site Time:	1230
Temp:	72
Sky Conditions:	Sunny
Meteorological Events:	None
Wind Speed:	n/a
Direction:	n/a

Lab Name: STL-SF (Pleasanton)	
Address:	1220 Quarry Lane
	Pleasanton CA
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.:	Station 608
BP/AR Facility Address:	17601 Hesperian Blvd, San Lorenzo
Site Lat/Long:	
California Global ID No.:	T0600100085
Enfos Project No.:	G0C24-0005
Provision or RCOP :	Provision
Phase/WBS:	03 - O&M
Sub Phase/Task:	03 - Analytical
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	1200	4/20		X			3				X		X			
2	MID-1	1155	4/20		X			3				X		X			
3	MID-2	1150	4/20		X			3				X		X			
4	EFFL	1145	4/20		X			3				X		X			
5	EFFL	1145	4/20		X			1	X						X		
6	EFFL	1145	4/20		X			1		X					X		
7	TRIP BLANK	1100	4/20		X			3				X					on hold
8																	
9																	
10																	

Sampler's Name:	George Brockhaus
Sampler's Company:	URS Corporation
Shipment Date:	4/21/05
Shipment Method:	SAO - STL
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	4/20/05	1445		4-21	1415

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

Date: 4/7/05

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)	42383	HOUR METER READING (hrs)	20262.7

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	~~20262.7~~ 4,219,415	4,219,430
FILTER INLET PRESSURE (psig)	20.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	17.1	(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

RECEIVED
APR 08 2005
BP UNIT

SS
04/08/05

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 collected 4/21/05

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 collected 4/21/05

	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)	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	No		

SEVERN TRENT STL

Submission#: 2005-06-0419

URS-Oakland, CA

June 30, 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 06/15/2005 19:15
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 07/30/2005 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
Project Manager

SEVERN TRENT STL

Submission: 2005-06-0419

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: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	06/15/2005 10:50	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: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s):	160.2	Test(s):	160.2
Sample ID:	**EFFL**	Lab ID:	2005-06-0419 - 4
Sampled:	06/15/2005 10:50	Extracted:	6/21/2005 10:34
Matrix:	Water	QC Batch#:	2005/06/21-02.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	20	mg/L	1.00	06/22/2005 08:36	

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: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

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

Method Blank | **Water** | **QC Batch # 2005/06/21-02.29**

MB: 2005/06/21-02.29-001 | Date Extracted: 06/21/2005 10:34

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	20	mg/L	06/22/2005 08:29	

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: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2005/06/21-02.29**

LCS 2005/06/21-02.29-002 Extracted: 06/21/2005 Analyzed: 06/22/2005 08:34
LCSD 2005/06/21-02.29-003 Extracted: 06/21/2005 Analyzed: 06/22/2005 08:35

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	867	865	1000	86.7	86.5	0.2	80-120	20		

SEVERN TRENT STL

Submission: 2005-06-0419

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: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	06/15/2005 11:10	Water	1
MID-1	06/15/2005 11:05	Water	2
MID-2	06/15/2005 11:00	Water	3
EFFL	06/15/2005 10:50	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: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **INF**
Sampled: 06/15/2005 11:10
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-06-0419 - 1
Extracted: 6/27/2005 13:35
QC Batch#: 2005/06/27-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	06/27/2005 13:35	
Benzene	ND	0.50	ug/L	1.00	06/27/2005 13:35	
Toluene	ND	0.50	ug/L	1.00	06/27/2005 13:35	
Ethylbenzene	ND	0.50	ug/L	1.00	06/27/2005 13:35	
Total xylenes	ND	1.0	ug/L	1.00	06/27/2005 13:35	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/27/2005 13:35	
Methyl tert-butyl ether (MTBE)	15	0.50	ug/L	1.00	06/27/2005 13:35	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/27/2005 13:35	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/27/2005 13:35	
tert-Amyl methyl ether (TAME)	0.81	0.50	ug/L	1.00	06/27/2005 13:35	
Surrogate(s)						
1,2-Dichloroethane-d4	112.6	73-130	%	1.00	06/27/2005 13:35	
Toluene-d8	99.1	81-114	%	1.00	06/27/2005 13:35	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 06/15/2005 11:05
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-06-0419 - 2
Extracted: 6/25/2005 11:25
QC Batch#: 2005/06/25-1D.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	06/25/2005 11:25	
Benzene	ND	0.50	ug/L	1.00	06/25/2005 11:25	
Toluene	ND	0.50	ug/L	1.00	06/25/2005 11:25	
Ethylbenzene	ND	0.50	ug/L	1.00	06/25/2005 11:25	
Total xylenes	ND	1.0	ug/L	1.00	06/25/2005 11:25	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/25/2005 11:25	
Methyl tert-butyl ether (MTBE)	2.2	0.50	ug/L	1.00	06/25/2005 11:25	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/25/2005 11:25	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/25/2005 11:25	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/25/2005 11:25	
Surrogate(s)						
1,2-Dichloroethane-d4	102.8	73-130	%	1.00	06/25/2005 11:25	
Toluene-d8	96.1	81-114	%	1.00	06/25/2005 11:25	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **MID-2**
Sampled: 06/15/2005 11:00
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-06-0419 - 3
Extracted: 6/25/2005 11:52
QC Batch#: 2005/06/25-1D.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	06/25/2005 11:52	
Benzene	ND	0.50	ug/L	1.00	06/25/2005 11:52	
Toluene	ND	0.50	ug/L	1.00	06/25/2005 11:52	
Ethylbenzene	ND	0.50	ug/L	1.00	06/25/2005 11:52	
Total xylenes	ND	1.0	ug/L	1.00	06/25/2005 11:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/25/2005 11:52	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/25/2005 11:52	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/25/2005 11:52	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/25/2005 11:52	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/25/2005 11:52	
Surrogate(s)						
1,2-Dichloroethane-d4	108.2	73-130	%	1.00	06/25/2005 11:52	
Toluene-d8	95.7	81-114	%	1.00	06/25/2005 11:52	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**EFFL**	Lab ID:	2005-06-0419 - 4
Sampled:	06/15/2005 10:50	Extracted:	6/25/2005 21:43
Matrix:	Water	QC Batch#:	2005/06/25-2C.62
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	06/25/2005 21:43	
Benzene	ND	0.50	ug/L	1.00	06/25/2005 21:43	
Toluene	ND	0.50	ug/L	1.00	06/25/2005 21:43	
Ethylbenzene	ND	0.50	ug/L	1.00	06/25/2005 21:43	
Total xylenes	ND	1.0	ug/L	1.00	06/25/2005 21:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	06/25/2005 21:43	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/25/2005 21:43	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	06/25/2005 21:43	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	06/25/2005 21:43	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	06/25/2005 21:43	
Surrogate(s)						
1,2-Dichloroethane-d4	109.1	73-130	%	1.00	06/25/2005 21:43	
Toluene-d8	94.7	81-114	%	1.00	06/25/2005 21:43	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/06/25-1D.62**

MB: 2005/06/25-1D.62-030 — Date Extracted: 06/25/2005 07:30

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	06/25/2005 07:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/25/2005 07:30	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/25/2005 07:30	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/25/2005 07:30	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/25/2005 07:30	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/25/2005 07:30	
Benzene	ND	0.5	ug/L	06/25/2005 07:30	
Toluene	ND	0.5	ug/L	06/25/2005 07:30	
Ethylbenzene	ND	0.5	ug/L	06/25/2005 07:30	
Total xylenes	ND	1.0	ug/L	06/25/2005 07:30	
Surrogates(s)					
1,2-Dichloroethane-d4	103.6	73-130	%	06/25/2005 07:30	
Toluene-d8	98.6	81-114	%	06/25/2005 07:30	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/06/25-2C.62-029

Water

Test(s): 8260B
QC Batch # 2005/06/25-2C.62
Date Extracted: 06/25/2005 18:29

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	06/25/2005 18:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/25/2005 18:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/25/2005 18:29	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/25/2005 18:29	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/25/2005 18:29	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/25/2005 18:29	
Benzene	ND	0.5	ug/L	06/25/2005 18:29	
Toluene	ND	0.5	ug/L	06/25/2005 18:29	
Ethylbenzene	ND	0.5	ug/L	06/25/2005 18:29	
Total xylenes	ND	1.0	ug/L	06/25/2005 18:29	
Surrogates(s)					
1,2-Dichloroethane-d4	104.0	73-130	%	06/25/2005 18:29	
Toluene-d8	98.0	81-114	%	06/25/2005 18:29	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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

Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

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

Method Blank **Water** **QC Batch # 2005/06/27-1B.62**

MB: 2005/06/27-1B.62-049

Date Extracted: 06/27/2005 07:49

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	06/27/2005 07:49	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/27/2005 07:49	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/27/2005 07:49	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/27/2005 07:49	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/27/2005 07:49	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/27/2005 07:49	
Benzene	ND	0.5	ug/L	06/27/2005 07:49	
Toluene	ND	0.5	ug/L	06/27/2005 07:49	
Ethylbenzene	ND	0.5	ug/L	06/27/2005 07:49	
Total xylenes	ND	1.0	ug/L	06/27/2005 07:49	
Surrogates(s)					
1,2-Dichloroethane-d4	100.6	73-130	%	06/27/2005 07:49	
Toluene-d8	97.8	81-114	%	06/27/2005 07:49	

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: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/06/25-1D.62**

LCS 2005/06/25-1D.62-004 Extracted: 06/25/2005 Analyzed: 06/25/2005 07:04
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)	19.5		25	78.0			65-165	20		
Benzene	19.4		25	77.6			69-129	20		
Toluene	21.0		25	84.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	480		500	96.0			73-130			
Toluene-d8	485		500	97.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2005/06/25-2C.62**

LCS 2005/06/25-2C.62-003 | Extracted: 06/25/2005 | Analyzed: 06/25/2005 18:03
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)	17.3		25	69.2			65-165	20		
Benzene	17.5		25	70.0			69-129	20		
Toluene	19.1		25	76.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481		500	96.2			73-130			
Toluene-d8	469		500	93.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/06/27-1B.62**

LCS 2005/06/27-1B.62-023 Extracted: 06/27/2005 Analyzed: 06/27/2005 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)	23.0		25	92.0			65-165	20		
Benzene	23.7		25	94.8			69-129	20		
Toluene	23.1		25	92.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	489		500	97.8			73-130			
Toluene-d8	498		500	99.6			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/06/25-1D.62**

MS/MSD

Lab ID: 2005-06-0425 - 003

MS: 2005/06/25-1D.62-022 Extracted: 06/25/2005 Analyzed: 06/25/2005 08:22

Dilution: 1.00

MSD: 2005/06/25-1D.62-048 Extracted: 06/25/2005 Analyzed: 06/25/2005 08:48

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	18.5	18.8	ND	25	74.0	75.2	1.6	75-125	20		
Benzene	19.2	18.9	ND	25	76.8	75.6	1.6	76-124	20		
Toluene	19.9	20.0	ND	25	79.6	80.0	0.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	491	498		500	98.2	99.6		73-130			
Toluene-d8	507	500		500	101.4	100.0		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/06/25-2C.62**

MS/MSD

Lab ID: 2005-06-0379 - 002

MS: 2005/06/25-2C.62-051 Extracted: 06/25/2005 Analyzed: 06/25/2005 20:51
Dilution: 1.00

MSD: 2005/06/25-2C.62-017 Extracted: 06/25/2005 Analyzed: 06/25/2005 21:17
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	17.9	17.9	ND	25	71.6	71.6	0.0	75-125	20		
Benzene	18.5	17.4	ND	25	74.0	69.6	6.1	76-124	20		
Toluene	19.1	18.8	ND	25	76.4	75.2	1.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	496	530		500	99.2	106.0		73-130			
Toluene-d8	488	487		500	97.6	97.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 38487015
Station 608

Received: 06/15/2005 19:15

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/06/27-1B.62**

MS/MSD

Lab ID: 2005-06-0502 - 009

MS: 2005/06/27-1B.62-007 Extracted: 06/27/2005 Analyzed: 06/27/2005 10:07
Dilution: 1.00

MSD: 2005/06/27-1B.62-033 Extracted: 06/27/2005 Analyzed: 06/27/2005 10:33
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	22.4	23.2	ND	25	89.6	92.8	3.5	65-165	20		
Benzene	22.5	23.6	ND	25	90.0	94.4	4.8	69-129	20		
Toluene	22.8	23.8	ND	25	91.2	95.2	4.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	481	487		500	96.2	97.4		73-130			
Toluene-d8	499	492		500	99.8	98.4		81-114			

bp

Chain of Custody Record

11612 Page 1 of 1

On-site Time:	1030 Temp: 72
Off-site Time:	1130 Temp: 75
Sky Conditions:	Sunny - Warm
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: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 6/30/05
(14- day TAT)

2005-06-0449

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, 94566	Site Lat/Long:	37.673888 / -122.123		Oakland CA 94612
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T0001000085	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 RCOF:	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	1110	6/15		X			3				X		X			
2	MID-1	1105	6/15		X			3				X		X			
3	MID-2	1100	6/15		X			3				X		X			
4	EFFL	1050	6/15		X			3				X		X			
5	EFFL	1050	6/15		X			1	X						X		
6	EFFL	1050	6/15		X			1		X					X		
7	TRIP BLANK	1030	6/15		X			3				X					HOLD
8																	
9																	
10																	

Sampler's Name:	George Bandshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	URS Corp		6/15/05	1450			
Shipment Date:	6/15/05		6/15/05	1915		6/15/05	1915
Shipment Method:	Fed-Ex (Courier)						
Shipment Tracking No:							

Special Instructions:

Custody Seals In Place Yes No / Temp Blank Yes X No Cooler Temperature on Receipt 4 °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

24 June, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOF0678

Enclosed are the results of analyses for samples received by the laboratory on 06/17/05 13:15. 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

1885 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	MOF0678
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	06/24/05 15:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOF0678-01	Water	06/15/05 10:50	06/17/05 13:15

These samples were received with no custody seals.

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.

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
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FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOF0678
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	06/24/05 15:04

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOF0678-01) Water	**Sampled: 06/15/05 10:50**	**Received: 06/17/05 13:15**							
Chemical Oxygen Demand	ND	30000	ug/l	1	5F23040	06/23/05	06/24/05	EPA 410.4	

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.

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
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www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOF0678
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	06/24/05 15:04

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 5F23040 - General Preparation / EPA 410.4										
Blank (5F23040-BLK1)				Prepared: 06/23/05	Analyzed: 06/24/05					
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5F23040-BS1)				Prepared: 06/23/05	Analyzed: 06/24/05					
Chemical Oxygen Demand	122000	33000	ug/l	111000		110	75-120			
Matrix Spike (5F23040-MS1)	**Source: MOF0665-08**			Prepared: 06/23/05	Analyzed: 06/24/05					
Chemical Oxygen Demand	119000	33000	ug/l	111000	ND	107	75-120			
Matrix Spike Dup (5F23040-MSD1)	**Source: MOF0665-08**			Prepared: 06/23/05	Analyzed: 06/24/05					
Chemical Oxygen Demand	122000	33000	ug/l	111000	ND	110	75-120	2	15	

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.

Sequoia Analytical

1885 Jarvis Drive
Morgan Hill, CA 95037
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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOF0678
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	06/24/05 15:04

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

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.

SEVERN TRENT STL

Date Shipped: 6/17/2005

Chain of Custody

2005-06-0419 - 1

From:

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

MOF0678

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 #: 2005-06-0419
CL PO #:

Project #: 38487015
Project Name: Station 608
EDF Global ID: T000100085

Client Sample ID / Analysis	# Containers	Sampled	Matrix	Method	TAT
EFFL	4	6/15/2005 10:50:00AM	Water		
EDF Field ID: EFFL					
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 0900 Time	Signature 1317 Time	Signature Time
Printed Name Stafford 6-17 Date	Printed Name 6/17/05 Date	Printed Name Date
Company STL	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature 0900 Time	Signature 1315 Time	Signature Time
Printed Name 6/17/05 Date	Printed Name Linda Pawk 6-17-05 Date	Printed Name Date
Company STL SF	Company BAY MX	Company

Chain of Custody Record

11/6/12 Page 1 of 1

On-site Time:	1030	Temp:	72
Off-site Time:	1130	Temp:	75
Sky Conditions:	Sunny - Warm		
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: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 6/30/05 (14-day TAT)

2005-06-0449

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. 94566	Site Lat/Long:	37.673888 / -122.123
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	1110	6/15		X			3				X		X			
2	MID-1	1105	6/15		X			3				X		X			
3	MID-2	1100	6/15		X			3				X		X			
4	EFFL	1050	6/15		X			3				X		X			
5	EFFL	1050	6/15		X			1	X						X		
6	EFFL	1050	6/15		X			1		X					X		
7	TRIP BLANK	1030	6/15		X			3				X					HOLD
8																	
9																	
10																	

MOF0678

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	George Barsman		6/15/05	1450			
Sampler's Company:	URS Corp		6/15/05	1915	STL SF	6/15/05	1915
Shipment Date:	6/15/05						
Shipment Method:	SAC - STL (Courier)						
Shipment Tracking No:							

Special Instructions:

Custody Seals In Place Yes No / Temp Blank Yes X No Cooler Temperature on Receipt 4 °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 SF
REC. BY (PRINT) L.R
WORKORDER: M0F0678

DATE REC'D AT LAB: 6-17-05
TIME REC'D AT LAB: 13:15
DATE LOGGED IN: 6-18-05

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*	-1	-	EFFL	500mL poly	H2SO4	—	WW	6-15-05	
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: 4.7C 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#: 2005-05-0615

URS-Oakland, CA

June 06, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

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

Attached is our report for your samples received on 05/20/2005 16:30
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 07/04/2005 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
Project Manager

URS-Oakland, CA

June 06, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

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

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Friday, May 20, 2005 4:30 PM.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200505264A69

INF 2005050615 001

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

MID-1 2005050615 002

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

SEVERN TRENT STL

Submission: 2005-05-0615

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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	05/18/2005 11:30	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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s):	160.2	Test(s):	160.2
Sample ID:	**EFFL**	Lab ID:	2005-05-0615 - 4
Sampled:	05/18/2005 11:30	Extracted:	5/24/2005 08:13
Matrix:	Water	QC Batch#:	2005/05/24-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	20	mg/L	1.00	05/25/2005 08:23	

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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

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

Method Blank **Water** **QC Batch # 2005/05/24-01.29**

MB: 2005/05/24-01.29-001 Date Extracted: 05/24/2005 08:14

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	20	mg/L	05/25/2005 08:22	

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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike **Water** **QC Batch # 2005/05/24-01.29**

LCS 2005/05/24-01.29-002 Extracted: 05/24/2005 Analyzed: 05/25/2005 08:23
LCSD 2005/05/24-01.29-003 Extracted: 05/24/2005 Analyzed: 05/25/2005 08:22

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	926	923	1000	92.6	92.3	0.3	80-120	20		

SEVERN TRENT STL

Submission: 2005-05-0615

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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	05/18/2005 11:50	Water	1
MID-1	05/18/2005 11:45	Water	2
MID-2	05/18/2005 11:40	Water	3
EFFL	05/18/2005 11:30	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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**INF**	Lab ID:	2005-05-0615 - 1
Sampled:	05/18/2005 11:50	Extracted:	5/26/2005 21:44
Matrix:	Water	QC Batch#:	2005/05/26-4A.69
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	82	50	ug/L	1.00	05/26/2005 21:44	LW
Benzene	ND	0.50	ug/L	1.00	05/26/2005 21:44	
Toluene	ND	0.50	ug/L	1.00	05/26/2005 21:44	
Ethylbenzene	ND	0.50	ug/L	1.00	05/26/2005 21:44	
Total xylenes	ND	1.0	ug/L	1.00	05/26/2005 21:44	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/26/2005 21:44	
Methyl tert-butyl ether (MTBE)	16	0.50	ug/L	1.00	05/26/2005 21:44	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/26/2005 21:44	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/26/2005 21:44	
tert-Amyl methyl ether (TAME)	1.1	0.50	ug/L	1.00	05/26/2005 21:44	
Surrogate(s)						
1,2-Dichloroethane-d4	113.5	73-130	%	1.00	05/26/2005 21:44	
Toluene-d8	107.9	81-114	%	1.00	05/26/2005 21:44	

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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 05/18/2005 11:45
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-05-0615 - 2
Extracted: 5/26/2005 22:02
QC Batch#: 2005/05/26-4A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	58	50	ug/L	1.00	05/26/2005 22:02	LW
Benzene	ND	0.50	ug/L	1.00	05/26/2005 22:02	
Toluene	ND	0.50	ug/L	1.00	05/26/2005 22:02	
Ethylbenzene	ND	0.50	ug/L	1.00	05/26/2005 22:02	
Total xylenes	ND	1.0	ug/L	1.00	05/26/2005 22:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/26/2005 22:02	
Methyl tert-butyl ether (MTBE)	2.1	0.50	ug/L	1.00	05/26/2005 22:02	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/26/2005 22:02	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/26/2005 22:02	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/26/2005 22:02	
Surrogate(s)						
1,2-Dichloroethane-d4	115.6	73-130	%	1.00	05/26/2005 22:02	
Toluene-d8	107.6	81-114	%	1.00	05/26/2005 22:02	

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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **MID-2**
Sampled: 05/18/2005 11:40
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-05-0615 - 3
Extracted: 5/26/2005 22:20
QC Batch#: 2005/05/26-4A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/26/2005 22:20	
Benzene	ND	0.50	ug/L	1.00	05/26/2005 22:20	
Toluene	ND	0.50	ug/L	1.00	05/26/2005 22:20	
Ethylbenzene	ND	0.50	ug/L	1.00	05/26/2005 22:20	
Total xylenes	ND	1.0	ug/L	1.00	05/26/2005 22:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/26/2005 22:20	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/26/2005 22:20	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/26/2005 22:20	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/26/2005 22:20	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/26/2005 22:20	
Surrogate(s)						
1,2-Dichloroethane-d4	109.1	73-130	%	1.00	05/26/2005 22:20	
Toluene-d8	105.8	81-114	%	1.00	05/26/2005 22:20	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**EFFL**	Lab ID:	2005-05-0615 - 4
Sampled:	05/18/2005 11:30	Extracted:	5/26/2005 22:38
Matrix:	Water	QC Batch#:	2005/05/26-4A.69
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/26/2005 22:38	
Benzene	ND	0.50	ug/L	1.00	05/26/2005 22:38	
Toluene	ND	0.50	ug/L	1.00	05/26/2005 22:38	
Ethylbenzene	ND	0.50	ug/L	1.00	05/26/2005 22:38	
Total xylenes	ND	1.0	ug/L	1.00	05/26/2005 22:38	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/26/2005 22:38	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/26/2005 22:38	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/26/2005 22:38	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/26/2005 22:38	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/26/2005 22:38	
Surrogate(s)						
1,2-Dichloroethane-d4	112.1	73-130	%	1.00	05/26/2005 22:38	
Toluene-d8	106.4	81-114	%	1.00	05/26/2005 22:38	

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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/05/26-4A.69

MB: 2005/05/26-4A.69-012

Date Extracted: 05/26/2005 18:12

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	05/26/2005 18:12	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/26/2005 18:12	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/26/2005 18:12	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	05/26/2005 18:12	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	05/26/2005 18:12	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	05/26/2005 18:12	
Benzene	ND	0.5	ug/L	05/26/2005 18:12	
Toluene	ND	0.5	ug/L	05/26/2005 18:12	
Ethylbenzene	ND	0.5	ug/L	05/26/2005 18:12	
Total xylenes	ND	1.0	ug/L	05/26/2005 18:12	
Surrogates(s)					
1,2-Dichloroethane-d4	108.0	73-130	%	05/26/2005 18:12	
Toluene-d8	106.4	81-114	%	05/26/2005 18:12	

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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/05/26-4A.69**

LCS 2005/05/26-4A.69-054 Extracted: 05/26/2005 Analyzed: 05/26/2005 17:54
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)	23.5		25	94.0			65-165	20		
Benzene	26.0		25	104.0			69-129	20		
Toluene	25.1		25	100.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	488		500	97.6			73-130			
Toluene-d8	533		500	106.6			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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/26-4A.69**

MS/MSD

Lab ID: 2005-05-0595 - 001

MS: 2005/05/26-4A.69-044 Extracted: 05/26/2005 Analyzed: 05/26/2005 19:00

Dilution: 1.00

MSD: 2005/05/26-4A.69-018 Extracted: 05/26/2005 Analyzed: 05/26/2005 19:18

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	26.1	24.9	4.47	25	86.5	81.7	5.7	75-125	20		
Benzene	26.4	24.7	1.41	25	100.0	93.2	7.0	76-124	20		
Toluene	24.9	22.6	ND	25	99.6	90.4	9.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	465	476		500	93.0	95.2		73-130			
Toluene-d8	535	537		500	107.0	107.4		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
608

Received: 05/20/2005 16:30

Site: 17601 Hesperian Blvd, San Lorenzo

Legend and Notes

Result Flag

LW

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

2005-05-0615

115292 Page 1 of 1

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): 6/3/05
(14- day TAT)

On-site Time:	1100	Temp:	58
Off-site Time:	1200	Temp:	58
Sky Conditions:	Overcast		
Meteorological Events:	Light Rain		
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 94566	Site Lat/Long:	37.673888 / -122.123		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	Preservative:	Requested Analysis: BTEX/Oxy/TPH (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)							Sample Point Lat/Long and Comments
1	INF	1150	5/18		X			3				X			X									
2	MID-1	1145	5/18		X			3				X			X									
3	MID-2	1140	5/18		X			3				X			X									
4	EFFL	1130	5/18		X			3				X			X									
5	EFFL	1130	5/18		X			1	X								X							
6	EFFL	1130	5/18		X			1		X						X								
7	TRIP BLANK	1100	5/18		X			3				X												HOLD
8																								
9																								
10																								

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	George Bradshaw	[signature]	5/18/05	1310	[signature]	5/18/05	[illegible]
Sampler's Company:	URS Corporation	[signature]	[illegible]		[signature]	5-20-05	1050
Shipment Date:	5/19/05	[signature]	5-20-05	1630	[signature] STL-SF	5/20/05	1630
Shipment Method:	SAC-STL						
Shipment Tracking No:							

Special Instructions:

Custody Seals In Place Yes ____ No ✓ Temp Blank Yes X No ____ Cooler Temperature on Receipt 3 °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

3 June, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOE0893

Enclosed are the results of analyses for samples received by the laboratory on 05/23/05 12:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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	MOE0893
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	06/03/05 14:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOE0893-01	Water	05/20/05 00:00	05/23/05 12:30

This sample was received with no custody seals.

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.

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	MOE0893
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	06/03/05 14:14

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOE0893-01) Water	**Sampled: 05/20/05 00:00**	**Received: 05/23/05 12:30**							
Chemical Oxygen Demand	ND	30000	ug/l	1	5E31041	05/31/05	05/31/05	EPA 410.4	

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.

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	MOE0893
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	06/03/05 14:14

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 5E31041 - General Preparation / EPA 410.4										
Blank (5E31041-BLK1)				Prepared & Analyzed: 05/31/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5E31041-BS1)				Prepared & Analyzed: 05/31/05						
Chemical Oxygen Demand	107000	30000	ug/l	100000		107	75-120			
Matrix Spike (5E31041-MS1)	**Source: MOE0887-01**			Prepared & Analyzed: 05/31/05						
Chemical Oxygen Demand	136000	33000	ug/l	111000	12000	112	75-120			
Matrix Spike Dup (5E31041-MSD1)	**Source: MOE0887-01**			Prepared & Analyzed: 05/31/05						
Chemical Oxygen Demand	121000	33000	ug/l	111000	12000	98	75-120	12	15	

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.

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	MOE0893
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	06/03/05 14:14

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

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.

SEVERN TRENT STL

Date Shipped: 5/23/2005

Chain of Custody

2005-05-0615 - 1

From:

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

406893

To:

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

Project Manager:	Afsaneh Salimpour	Phone:	(408) 776-9600 Ext:
Phone: (925) 484-1919	Ext: 107	Fax:	(408) 782-6308
Fax:	(925) 484-1096	Contact:	Sample Receiving
Email:	asalimpour@stl-inc.com	Phone:	(408) 776-9600 Ext:

CL Submission #: 2005-05-0615
CL PO #:

Project #: 38487015
Project Name: 608
EDF Global ID: T000100085

Client Sample ID / Analysis	# Cont.	Sample Date/Time	Matrix	TAT
EFFL	4	5/18/2005 11:30:00AM	Water	
EDF Field ID: EFFL				
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: 1230	Signature Time	Signature Time
Printed Name: [name] Date: 5/23/05	Printed Name Date	Printed Name Date
Company: STL S.F.	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 1230	Signature Time	Signature Time
Printed Name: J. Ashby Date: 5/23/05	Printed Name Date	Printed Name Date
Company: SEQ-MH	Company	Company

2005-05-0615

115292 Page 1 of 1

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): 6/5/05
(14- day TAT)

On-site Time:	1100	Temp:	57
Off-site Time:	1200	Temp:	58
Sky Conditions:	Overcast		
Meteorological Events:	Light Rain		
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. 94566	Site Lat/Long:	37.673888 / -122.123
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T000100085
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	1150	5/18		X			3				X		X			
2	MID-1	1145	5/18		X			3				X		X			
3	MID-2	1140	5/18		X			3				X		X			
4	EFFL	1130	5/18		X			3				X		X			
5	EFFL	1130	5/18		X			1	X							X	
6	EFFL	1130	5/18		X			1		X					X		
7	TRIP BLANK	1100	5/18		X			3				X					HOLD
8																	
9																	
10																	

Sampler's Name:	George Bruckhaus	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company:	URS Corporation		5/19/05	1310		
Shipment Date:	5/19/05					
Shipment Method:	SAC-STL			1630	STL-SF	5-20-05 1030
Shipment Tracking No:						5/20/05 1630 D

Special Instructions:

Custody Seals In Place Yes ___ No ✓ Temp Blank Yes X No ___ Cooler Temperature on Receipt 3 °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: Arco # 6088
REC. BY (PRINT): TAS
WORKORDER: 0506893

DATE REC'D AT LAB: 5/23/05
TIME REC'D AT LAB: 1235
DATE LOGGED IN: 5-23-05

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	01	EFF-A	500m Poly	H_2SO_4	—	W	5/18/05	
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: 6.0° 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#: 2005-04-0711

URS-Oakland, CA

May 10, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015
Project: Station 608-O&M-Remediation
Site: 17601 Hesperian Blvd., San Lorenzo

Attached is our report for your samples received on 04/22/2005 17:00
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 06/06/2005 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#: 2005-04-0711

URS-Oakland, CA

May 10, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015
Project: Station 608-O&M-Remediation
Site: 17601 Hesperian Blvd., San Lorenzo

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Friday, April 22, 2005 5:00 PM.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200505031A66

INF 2005040711 001
Compound Flag(s)
LW Quantit. of unknown hydrocarbon(s) in sample based on gasoline

MID-1 2005040711 002
Compound Flag(s)
LW Quantit. of unknown hydrocarbon(s) in sample based on gasoline

MID-2 2005040711 003
Compound Flag(s)
LW Quantit. of unknown hydrocarbon(s) in sample based on gasoline

EFFL 2005040711 004
Compound Flag(s)
LW Quantit. of unknown hydrocarbon(s) in sample based on gasoline

SEVERN TRENT STL

Submission: 2005-04-0711

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	04/20/2005 11:45	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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s):	160.2	Test(s):	160.2
Sample ID:	EFFL	Lab ID:	2005-04-0711 - 4
Sampled:	04/20/2005 11:45	Extracted:	4/25/2005 13:25
Matrix:	Water	QC Batch#:	2005/04/26-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	20	mg/L	1.00	04/26/2005 08:18	

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 160.2 — Test(s): 160.2
Method Blank — Water — **QC Batch # 2005/04/25-01.29**
MB: 2005/04/25-01.29-001 — Date Extracted: 04/25/2005 13:25

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	20	mg/L	04/26/2005 08:13	

SEVERN TRENT STL

Submission: 2005-04-0711

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2005/04/25-01.29**

LCS 2005/04/25-01.29-002 Extracted: 04/25/2005 Analyzed: 04/26/2005 08:16
LCSD 2005/04/25-01.29-003 Extracted: 04/25/2005 Analyzed: 04/26/2005 08:14

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
TSS	875	919	1000	87.5	91.9	4.9	80-120	20		

SEVERN TRENT STL

Submission: 2005-04-0711

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	04/20/2005 12:00	Water	1
MID-1	04/20/2005 11:55	Water	2
MID-2	04/20/2005 11:50	Water	3
EFFL	04/20/2005 11:45	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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INF	Lab ID:	2005-04-0711-1
Sampled:	04/20/2005 12:00	Extracted:	5/3/2005 11:58
Matrix:	Water	QC Batch#:	2005/05/03-1A.66
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/03/2005 11:58	LW
Benzene	ND	0.50	ug/L	1.00	05/03/2005 11:58	
Toluene	ND	0.50	ug/L	1.00	05/03/2005 11:58	
Ethylbenzene	ND	0.50	ug/L	1.00	05/03/2005 11:58	
Total xylenes	ND	1.0	ug/L	1.00	05/03/2005 11:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/03/2005 11:58	
Methyl tert-butyl ether (MTBE)	19	0.50	ug/L	1.00	05/03/2005 11:58	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/03/2005 11:58	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/03/2005 11:58	
tert-Amyl methyl ether (TAME)	1.1	0.50	ug/L	1.00	05/03/2005 11:58	
Surrogate(s)						
1,2-Dichloroethane-d4	99.0	73-130	%	1.00	05/03/2005 11:58	
Toluene-d8	100.2	81-114	%	1.00	05/03/2005 11:58	

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID-1	Lab ID:	2005-04-0711-2
Sampled:	04/20/2005 11:55	Extracted:	5/3/2005 11:32
Matrix:	Water	QC Batch#:	2005/05/03-1A.66
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/03/2005 11:32	LW
Benzene	ND	0.50	ug/L	1.00	05/03/2005 11:32	
Toluene	ND	0.50	ug/L	1.00	05/03/2005 11:32	
Ethylbenzene	ND	0.50	ug/L	1.00	05/03/2005 11:32	
Total xylenes	ND	1.0	ug/L	1.00	05/03/2005 11:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/03/2005 11:32	
Methyl tert-butyl ether (MTBE)	2.4	0.50	ug/L	1.00	05/03/2005 11:32	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/03/2005 11:32	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/03/2005 11:32	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/03/2005 11:32	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	73-130	%	1.00	05/03/2005 11:32	
Toluene-d8	103.0	81-114	%	1.00	05/03/2005 11:32	

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID-2	Lab ID:	2005-04-0711 - 3
Sampled:	04/20/2005 11:50	Extracted:	5/3/2005 11:07
Matrix:	Water	QC Batch#:	2005/05/03-1A.68
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/03/2005 11:07	LW
Benzene	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Toluene	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Ethylbenzene	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Total xylenes	ND	1.0	ug/L	1.00	05/03/2005 11:07	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/03/2005 11:07	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/03/2005 11:07	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/03/2005 11:07	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Surrogate(s)						
1,2-Dichloroethane-d4	100.7	73-130	%	1.00	05/03/2005 11:07	
Toluene-d8	102.1	81-114	%	1.00	05/03/2005 11:07	

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2005-04-0711-4
Sampled:	04/20/2005 11:45	Extracted:	5/3/2005 09:51
Matrix:	Water	QC Batch#:	2005/05/03-1A.66
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/03/2005 09:51	LW
Benzene	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Toluene	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Ethylbenzene	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Total xylenes	ND	1.0	ug/L	1.00	05/03/2005 09:51	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/03/2005 09:51	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/03/2005 09:51	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/03/2005 09:51	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Surrogate(s)						
1,2-Dichloroethane-d4	98.0	73-130	%	1.00	05/03/2005 09:51	
Toluene-d8	100.1	81-114	%	1.00	05/03/2005 09:51	

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B — Test(s): 8260B
Method Blank — Water — **QC Batch # 2005/05/03-1A.66**
MB: 2005/05/03-1A.66-059 — Date Extracted: 05/03/2005 07:59

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	05/03/2005 07:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/03/2005 07:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/03/2005 07:59	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	05/03/2005 07:59	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	05/03/2005 07:59	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	05/03/2005 07:59	
Benzene	ND	0.5	ug/L	05/03/2005 07:59	
Toluene	ND	0.5	ug/L	05/03/2005 07:59	
Ethylbenzene	ND	0.5	ug/L	05/03/2005 07:59	
Total xylenes	ND	1.0	ug/L	05/03/2005 07:59	
Surrogates(s)					
1,2-Dichloroethane-d4	99.6	73-130	%	05/03/2005 07:59	
Toluene-d8	102.8	81-114	%	05/03/2005 07:59	

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — Water — QC Batch # 2005/05/03-1A.66

LCS: 2005/05/03-1A.66-034 — Extracted: 05/03/2005 — Analyzed: 05/03/2005 07:34

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)	23.3		25	93.2			65-165	20		
Benzene	22.4		25	89.6			69-129	20		
Toluene	24.5		25	98.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	461		500	92.2			73-130			
Toluene-d8	512		500	102.4			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
Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — **Water** — **QC Batch # 2005/05/03-1A.66**

EFFL >> MS — Lab ID: 2005-04-0711 - 004

MS: 2005/05/03-1A.66-018 — Extracted: 05/03/2005 — Analyzed: 05/03/2005 10:16 — Dilution: 1.00

MSD: 2005/05/03-1A.66-042 — Extracted: 05/03/2005 — Analyzed: 05/03/2005 10:42 — Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.4	22.0	ND	25	101.6	88.0	14.3	75-125	20		
Benzene	23.8	21.6	ND	25	95.2	86.4	9.7	76-124	20		
Toluene	27.0	23.2	ND	25	108.0	92.8	15.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	471	467		500	94.2	93.4		73-130			
Toluene-d8	521	510		500	104.2	102.0		81-114			

SEVERN TRENT STL

Submission: 2005-04-0711

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-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Legend and Notes

Result Flag

LW

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

2005-04-0711

Chain of Custody Record

114489 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): 5/5/05
(14- day TAT)

On-site Time:	1100	Temp:	69
Off-site Time:	1430	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.:	T0600100085	Consultant/Contractor Project No.:	38487015
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.:	GOC54.0005	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	Email EDD To:	Donna.Cooper@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/TBA (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comment
1	INF	1200	4/20		X			3				X		X			
2	MID-1	1155	4/20		X			3				X		X			
3	MID-2	1150	4/20		X			3				X		X			
4	EFFL	1145	4/20		X			3				X		X			
5	EFFL	1145	4/20		X			1	X						X		
6	EFFL	1145	4/20		X			1		X				X			
7	TRIP BLANK	1100	4/20		X			3				X					on hold
8																	
9																	
10																	

Sampler's Name:	George Brockelman	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	URS Corporation		4/21	1445	STL-SF	4-21	1445
Shipment Date:	4/21/05		4/22	1110	STL-SF	4/22	1110
Shipment Method:	Fed-Ex		4/22	1700	STL-SF	4/22	1700
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

4 May, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOD0626

Enclosed are the results of analyses for samples received by the laboratory on 04/26/05 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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	MOD0626
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	05/04/05 10:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOD0626-01	Water	04/20/05 11:45	04/26/05 10:30

These samples were received with intact custody seals.

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.

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	MOD0626
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	05/04/05 10:13

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOD0626-01) Water Sampled: 04/20/05 11:45 Received: 04/26/05 10:30									
Chemical Oxygen Demand	ND	30000	ug/l	1	5D28042	04/28/05	04/28/05	EPA 410.4	

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 analyttcal report must be reproduced in its entirety.

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	MOD0626
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	05/04/05 10:13

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 5D28042 - General Preparation / EPA 410.4										
Blank (5D28042-BLK1)				Prepared & Analyzed: 04/28/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5D28042-BS1)				Prepared & Analyzed: 04/28/05						
Chemical Oxygen Demand	117000	30000	ug/l	100000		117	75-120			
Matrix Spike (5D28042-MS1)	**Source: MOD0692-01**			Prepared & Analyzed: 04/28/05						
Chemical Oxygen Demand	286000	33000	ug/l	111000	160000	114	75-120			
Matrix Spike Dup (5D28042-MSD1)	**Source: MOD0692-01**			Prepared & Analyzed: 04/28/05						
Chemical Oxygen Demand	293000	33000	ug/l	111000	160000	120	75-120	2	15	

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.

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	MOD0626
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	05/04/05 10:13

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

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.

SEVERN TRENT **STL**

m06D626

Chain of Custody

Date Shipped: 4/23/2005

2005-04-0711 - 1

From:

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

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

To:

Sequoia-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 #: 2005-04-0711
CL PO #:

Project #: 38487015
Project Name: Station 608-O&M-Remediation
EDF Global ID: T000100085

Client Sample ID	# Containers	Sampled Date/Time	Matrix	Method	Turn Around Time
EFFL	4	4/20/2005 11:45:00AM	Water		
EDF Field ID: EFFL					
Subcontract - COD				410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature / Time	Signature / Time 1300	Signature / Time
Printed Name / Date	Printed Name M. VILLANUEVA / Date 04/25/05	Printed Name / Date
Company	Company STL SF	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature / Time	Signature Linda Paulk / Time 10:30 4-26-05	Signature / Time
Printed Name / Date	Printed Name Sequoia / Date	Printed Name / Date
Company	Company	Company

2005-04-0711 (MOD0626)

114489

Page 1 of 1

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): 5/5/05
(14- day TAT)

On-site Time:	1100	Temp:	69
Off-site Time:	1230	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	1200	4/20		X			3				X		X			
2	MID-1	1155	4/20		X			3				X		X			
3	MID-2	1150	4/20		X			3				X		X			
4	EFFL	1145	4/20		X			3				X		X			
5	EFFL	1145	4/20		X			1	X						X		
6	EFFL	1145	4/19		X			1		X					X		
7	TRIP BLANK	1100	4/20		X			3				X					on hold
8																	
9																	
10																	

Sampler's Name:	George Brookshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company:	URS CORPORATION		4/20/05	1445	CH2M HILL	4-21 1445
Shipment Date:	4/21/05		4/22	1100	STL-SF	4/22 1110
Shipment Method:	SAC-STL	STL-SF	4/22	1700	STL SF	4/22 1700
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

MOD0626

PLEASE FOLD THIS SHIPPING DOCUMENT IN HALF AND PLACE IT IN A WAYBILL POUCH AFFIXED TO YOUR SHIPMENT SO THAT THE BAR-CODE PORTION OF THE LABEL CAN BE READ AND SCANNED. ***WARNING: USE ONLY THE PRINTED ORIGINAL LABEL FOR SHIPPING. USING A PHOTOCOPY OF THIS LABEL FOR SHIPPING PURPOSES IS FRAUDULENT AND COULD RESULT IN ADDITIONAL BILLING CHARGES, ALONG WITH THE CANCELLATION OF YOUR FEDEX ACCOUNT NUMBER.

From: Origin ID: LVKA (925) 484-1919
BRYAN THOMAS
STL INC
1220 QUARRY LANE

PLEASANTON, CA 94566

FedEx Express

E

Ship Date: 25APR05
Actual Wgt: 9.0 LB MAN
System#: 365509/CAFE2246
Account#: S 107931791

Dimmed: 12 X 8 X 7 IN

REF:

Delivery Address Bar Code

SHIP TO: (408) 776-9600 BILL SENDER

SAMPLE RECEIVING
SEQUOIA MORGAN HILL
885 JARVIS DRIVE

MORGAN HILL, CA 95037

PRIORITY OVERNIGHT

TUE
Deliver By:
26APR05

TRK# 6719 7541 4525 FORM 0201

SJC AM

95037 -CA-US

83 RBKA

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL SF/URS
REC. BY (PRINT): Pawlak
WORKORDER: MOD0626

DATE REC'D AT LAB: 4-26-05
TIME REC'D AT LAB: 1030
DATE LOGGED IN: 4-26-05

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	500mL poly	H_2SO_4	2	L	4-20-05	
2. Chain-of-Custody Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker; Present / Absent									
5. Airbill #: 6719 7546 4525									
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: 2.8°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									

4-26-05

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

SRL Revision 6
Replaces Rev 5 (06/07/04)
Effective 07/13/04