URS

R0255

Alameda County

FEB 10 2006

Environmental Health

February 6, 2006

Mr. Don Hwang
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway
Alameda, California 94502

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

Dear Mr. Hwang:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Fourth 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 Donna Cosper at (510) 874-3019.

Sincerely,

URS CORPORATION

Donna Cosper, E.I.T.
Project Manager

REGISTERED PROFESSIONAL ENGINEER
JOHN H. MADIGAN
No. 65568
Exp. 9/30/07
CIVIL
STATE OF CALIFORNIA

John H. Madigan, P.E.
Senior Engineer

Amber Budd, E.I.T.
Staff Engineer

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

cc: Mr. Chuck Carmel, 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

FOURTH QUARTER 2005 GROUNDWATER MONITORING & REMEDIATION SYSTEM PERFORMANCE REPORT

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

Prepared for
RM

February 6, 2006

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

Date: February 6, 2006
Quarter: 4Q 05

FOURTH QUARTER 2005 GROUNDWATER MONITORING AND REMEDIATION SYSTEM PERFORMANCE REPORT

Facility No.:	0608	Address:	17601 Hesperian Boulevard, San Lorenzo, California
RM Environmental Business Manager:			Chuck Carmel
Consulting Co./Contact Person:			URS Corporation / Donna Cosper
Primary Agency:			Alameda County Environmental Health (ACEH)
ACEH Case No.:			779

WORK PERFORMED THIS QUARTER (Fourth – 2005):

1. Prepared and submitted the Third Quarter 2005 Groundwater Monitoring and Remediation System Performance Report.
2. Performed the fourth quarter 2005 groundwater monitoring event on December 13, 2005.
3. Continued operation, maintenance and performance monitoring of the groundwater extraction and treatment (GWET) system.
4. Submitted Monthly Discharge Report for September 2005, and laboratory data for October and November 2005 to Oro Loma Sanitary District.

WORK PROPOSED FOR NEXT QUARTER (First – 2006):

1. Prepare and submit this Fourth Quarter 2005 Groundwater Monitoring and Remediation System Performance Report.
2. Perform the first quarter 2006 groundwater monitoring event.
3. Continue operation, maintenance and performance monitoring of GWET system.
4. 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:	8.96 feet (MW-14) to 18.84 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 08/04/2006		
Gallons of Groundwater Treated and Discharged for this Quarter:	86,739		
Total Gallons of Groundwater Treated and Discharged to Date:	8,519,400		
Total Operation Hours to Date:	25,825		
Mass Removal (pounds):	Quarterly		Cumulative
Gasoline Range Organics (GRO):	0.000		7.53
Benzene:	0.000		0.31
Methyl-tert-butyl ether (MTBE):	0.008		2.95
GWET System Samples Collection Dates and Effluent Results micrograms per liter (µg/L):	10/18/05	11/16/05	12/13/05
GRO:	<50	<50	<50
Benzene:	<0.50	<0.50	<0.50
MTBE:	<0.50	<0.50	<0.50

DISCUSSION:

Gasoline range organics and tert-butyl alcohol were detected at or above their respective laboratory reporting limits in one of the three wells (MW-10) sampled this quarter at concentrations of 270 micrograms per liter (µg/L) and 190 µg/L, respectively. Methyl-tert-butyl ether was detected at or above the laboratory reporting limit in all three wells at concentrations ranging from 12 µg/L (E-1A (MW-12)) to 47 µg/L (MW-10). Tert-amyl methyl ether was detected at or above the laboratory reporting limit in all three wells at concentrations ranging from 0.61 µg/L (E-1A(MW-12)) to 5.5 µg/L (MW-25). No other fuel components were detected at or above their respective laboratory reporting limits in any of the three wells sampled this quarter.

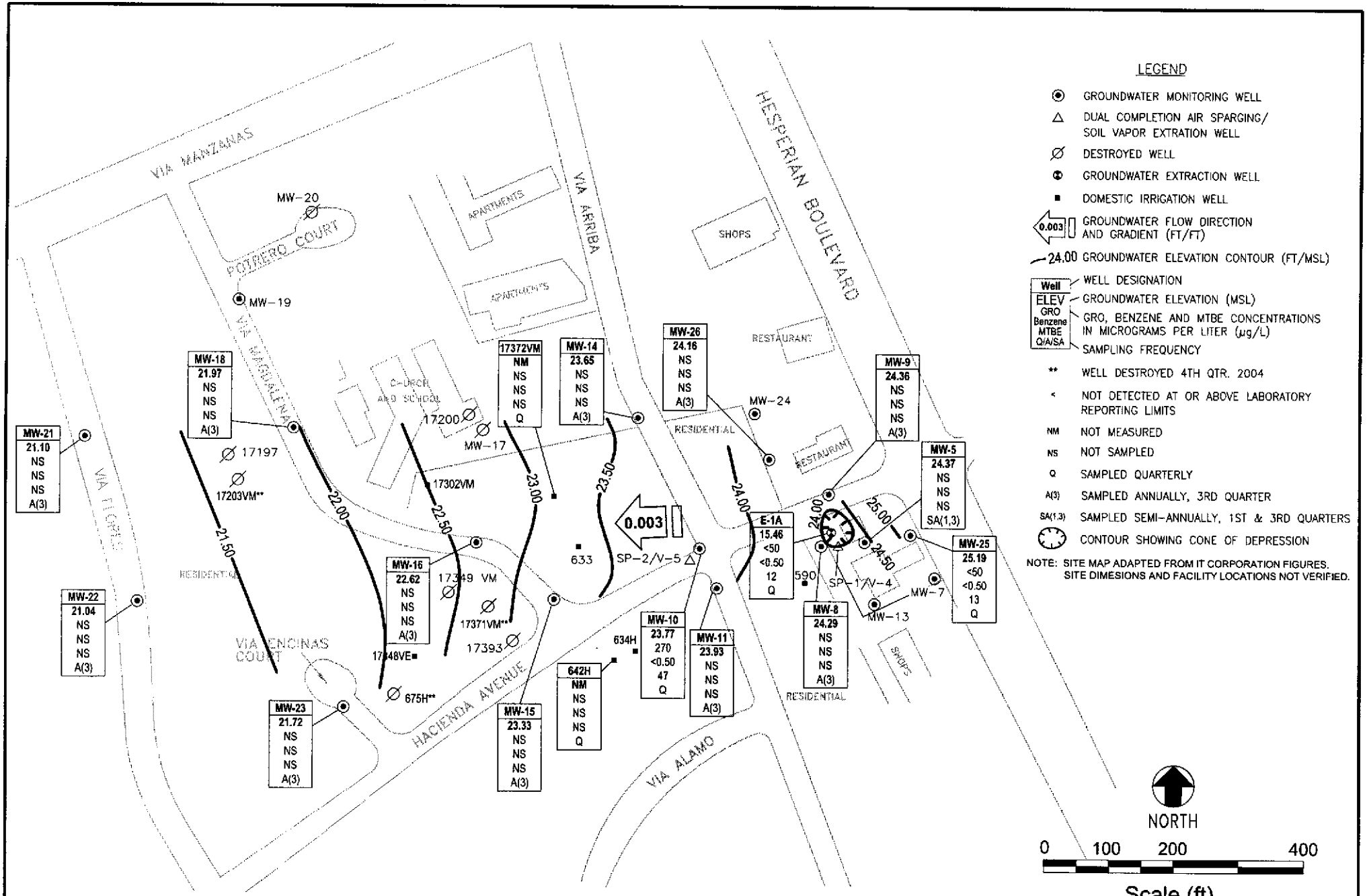
Domestic irrigation wells 642H and 17372VM were not sampled this quarter due to a broken pump.

From September 20, 2005, to December 13, 2005, the GWET system operated 99.8 percent of the time. During this time period, a total of 86,739 gallons of groundwater was treated and discharged. Performance data and laboratory analytical data are included in Tables 5 and 6.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – December 13, 2005
- Figure 2 – Groundwater Extraction System Mass Removal Trend TPH-g/GRO and Benzene
- Figure 3 – Groundwater Extraction System Concentration Trend TPH-g/GRO and Benzene
- Figure 4 – Groundwater Extraction System Mass Removal Trend MTBE
- Figure 5 – Groundwater Extraction System Concentration Trend MTBE
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Table 3 – Groundwater Gradient Data
- Table 4 – Groundwater Sampling Schedule
- Table 5 – Groundwater Extraction System Performance Data

- Table 6 – Treatment System Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – Historical Groundwater Data Tables
- Attachment D – Error Check Reports and EDF/Geowell Submittal Confirmations
- Attachment E – O&M Field Data Sheets, Certified Analytical Reports, and Chain-of-Custody Records



LEGEND

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

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

URS	Project No. 38486707 Arco Service Station #0608 17601 Hesperian Boulevard San Lorenzo, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2005 (December 13, 2005)	FIGURE 1

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

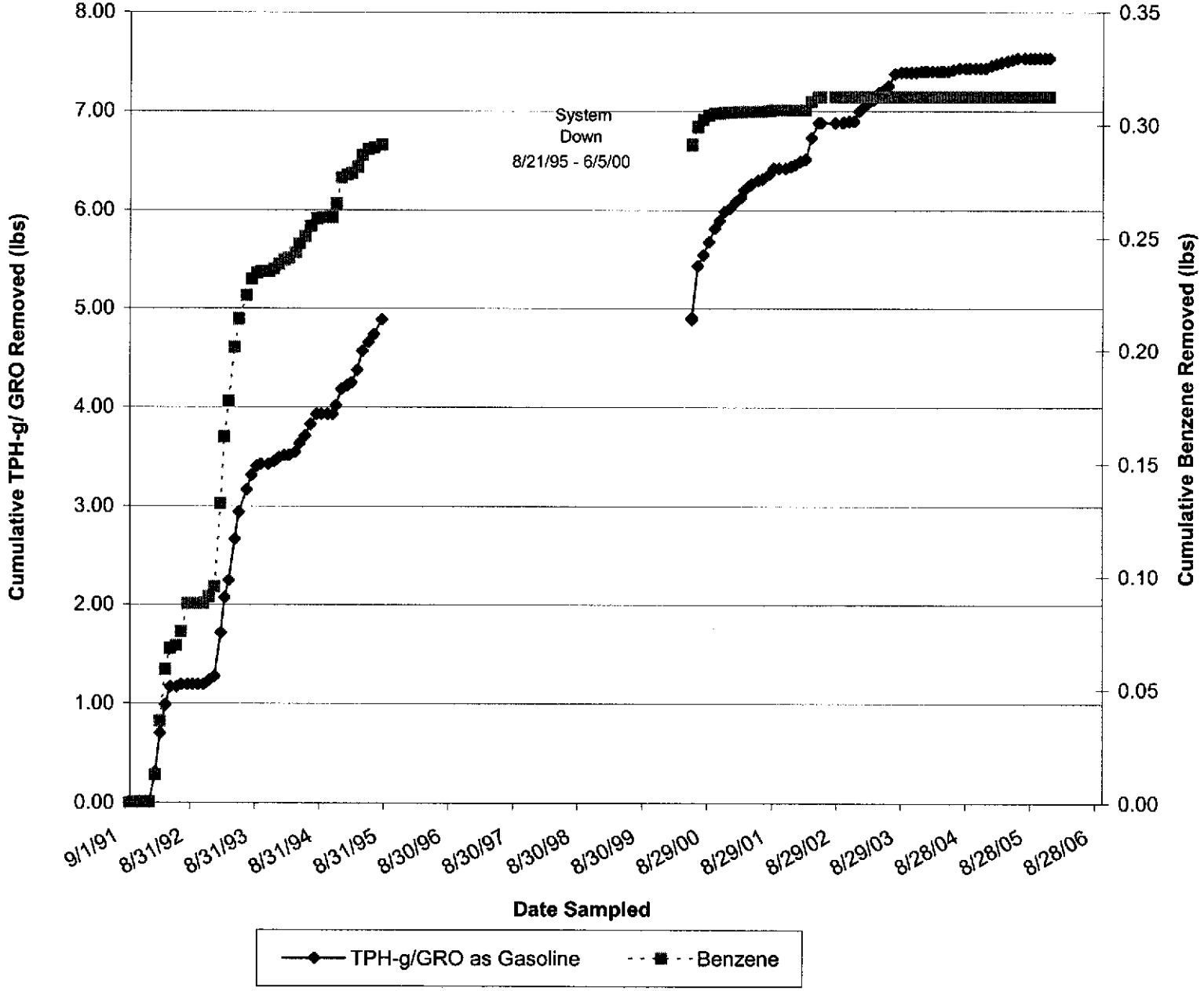


Figure 3
Groundwater Extraction System Concentration Trend
TPH-g/ GRO and Benzene

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

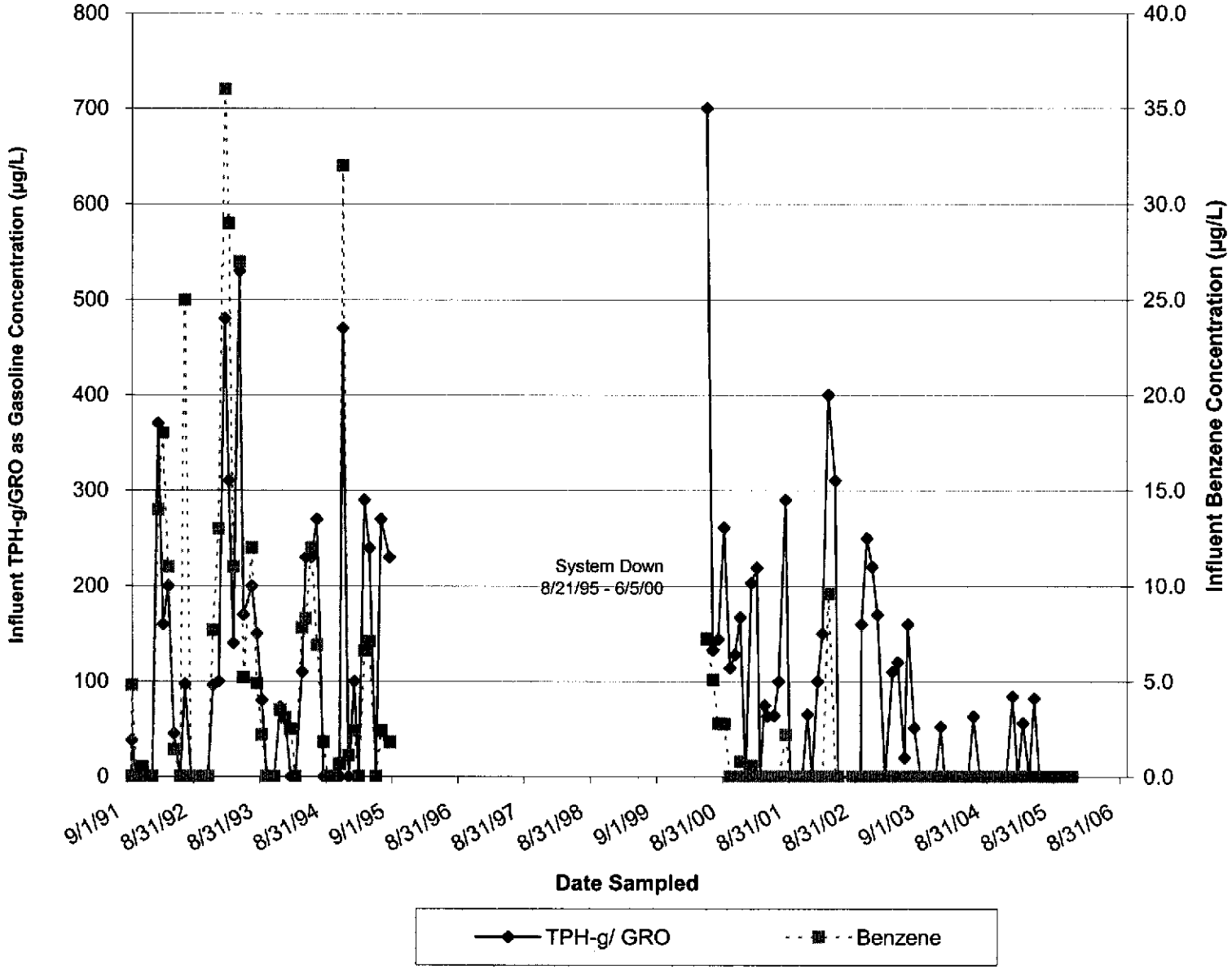


Figure 4
Groundwater Extraction System Mass Removal Trend
MtBE

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

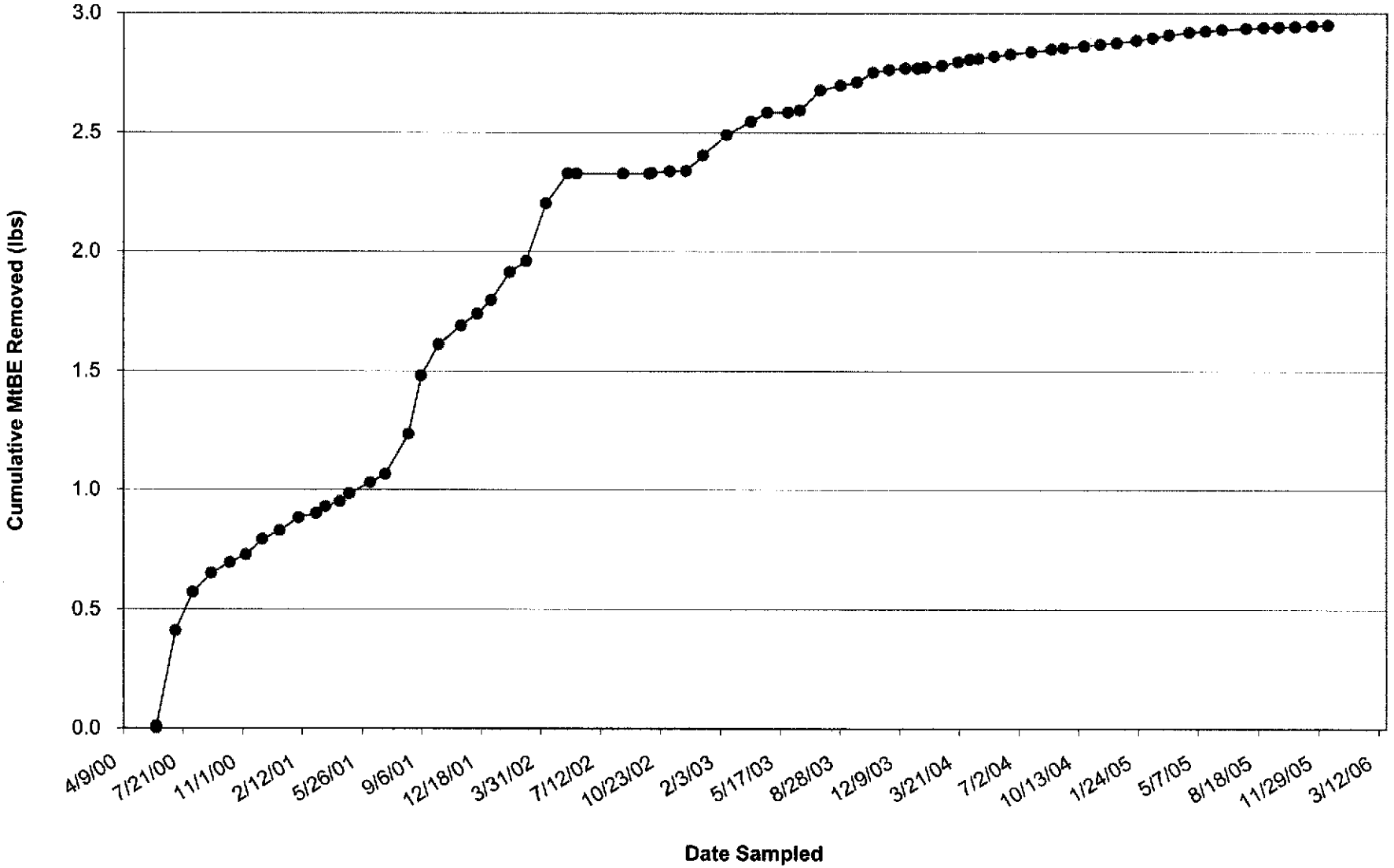
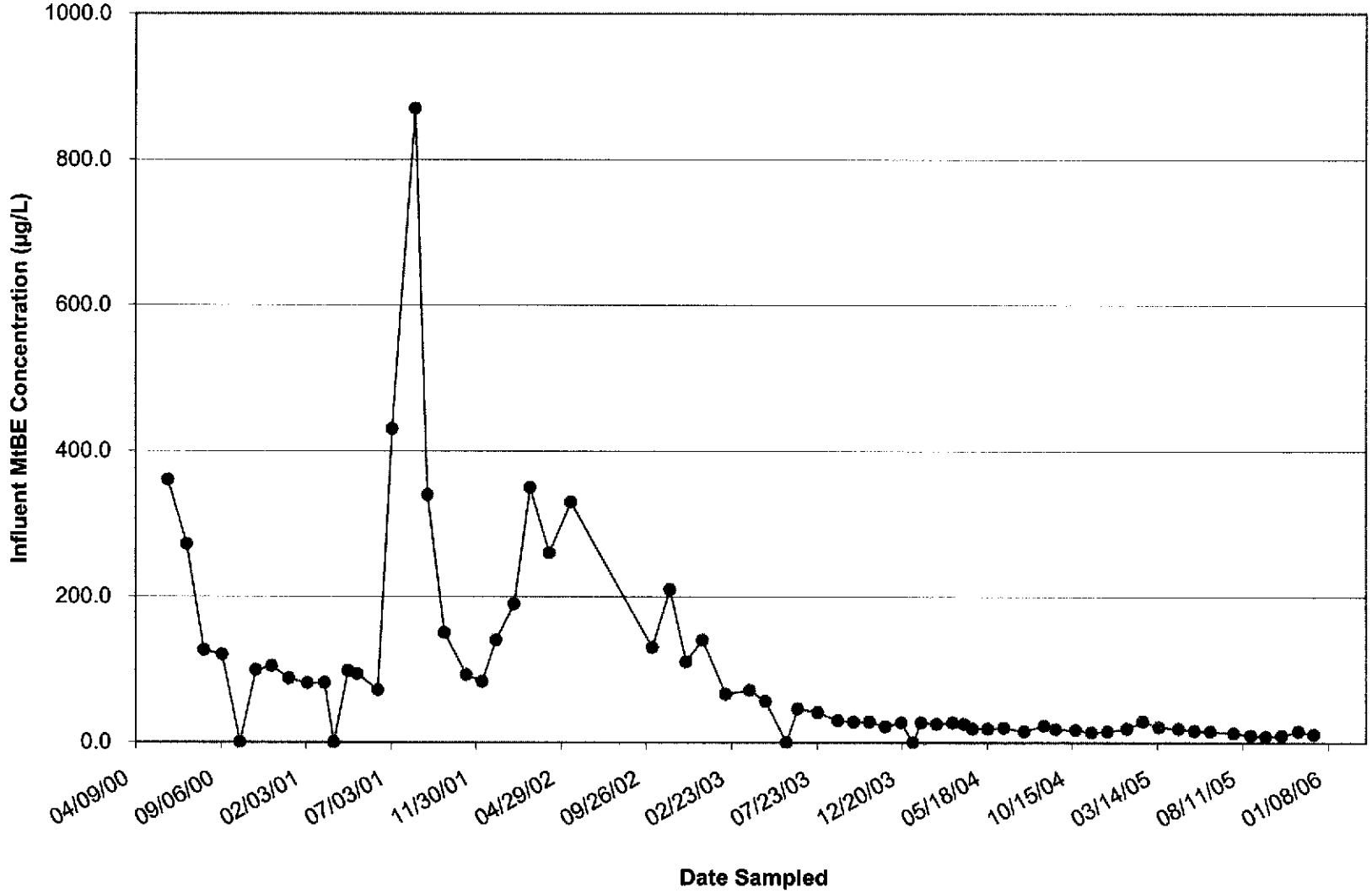


Figure 5
Groundwater Extraction System Concentration Trend
MtBE

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



X:\X_ENV_WASTE\BP GEM\SITES\SCOTT ROBINSON\PAUL SUPPLE\0608\MONITORING\2005 QTR. 4\O TABLES AND DATA\0608 4Q05 O.XLS\2/2/2006

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
17349 VM	3/13/2002	--		--	--	--	--	--	<50	1	<0.50	<0.50	<0.50	49	--	--
	6/28/2002	--	l	--	--	--	--	--	66	0.50	<0.50	<0.50	<0.50	47/45	--	--
	9/20/2002	--	k	--	--	--	--	--	---	---	---	---	---	--	--	--
17372 VM	3/13/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	12/30/2002	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	9/15/2003	--		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	NP		--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.7	7.2
	03/10/2004	--	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	06/10/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.1	6.9
	09/22/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	7.2
	12/13/2004	NP	m	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.76	7.6
	03/10/2005	NP	m	--	--	--	--	--	<100	<0.50	<0.50	<0.50	<4.0	<0.50	7.5	8.0
	06/29/2005	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/2005	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2005	--	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	3.2	7.1
	06/10/2004	--	n	--	--	--	--	--	--	--	--	--	--	--	7.9	--
	09/22/2004	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2004	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/10/2005	--	n	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/29/2005	--	n	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/2005	--	n	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2005	--	o	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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	3/13/2002	--	a	33.06	--	--	21.75	11.31	200	<0.50	<0.50	<0.50	<0.50	310	--	--
	6/28/2002	--	b	33.06	--	--	11.22	21.84	260	<0.50	11	1.2	1.2	150	--	--
	9/20/2002	--		33.06	--	--	11.80	21.26	250	1.18	0.52	<0.5	<1.5	218	--	--
	12/30/2002	--	c, e	33.06	--	--	16.33	16.73	190	<1.2	<1.2	<1.2	<1.2	190	--	--
	3/27/2003	--	g	33.06	--	--	13.63	19.43	96	<0.50	<0.50	<0.50	<0.50	60	--	--
	6/30/2003	P	h	33.06	--	--	9.60	23.46	140	<0.50	<0.50	<0.50	<0.50	37	--	--
	9/15/2003	P	g	33.06	--	--	17.80	15.26	83	<0.50	<0.50	<0.50	<0.50	49	--	--
	12/04/2003	NP	g	33.06	--	--	18.73	14.33	<50	<0.50	<0.50	<0.50	<0.50	19	4.3	7.0
	03/10/2004	NP	g	34.30	--	--	16.78	17.52	<100	<1.0	<1.0	<1.0	<1.0	38	4.9	7.2
	06/10/2004	NP	g, p	34.30	--	--	16.67	17.63	74	<0.50	<0.50	<0.50	<0.50	46	2.0	6.7
	09/22/2004	NP		34.30	--	--	18.46	15.84	<50	<0.50	<0.50	<0.50	<0.50	17	--	7.0
	12/13/2004	NP		34.30	--	--	17.56	16.74	<50	<0.50	<0.50	<0.50	<0.50	15	7.13	6.9
	03/10/2005	NP		34.30	--	--	14.60	19.70	<100	<0.50	<0.50	<0.50	<4.0	22	6.6	8.0
	06/29/2005	NP		34.30	--	--	15.13	19.17	<50	<0.50	0.91	<0.50	<0.50	14	6.73	7.3
	09/14/2005	NP		34.30	--	--	16.90	17.40	<50	<0.50	<0.50	<0.50	<0.50	13	5.4	6.7
	12/13/2005	**NP**		**34.30**	**--**	**--**	**18.84**	**15.46**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**12**	**8.3**	**7.1**
MW-1	3/15/1996	--		175.04	--	--	14.24	160.80	---	---	---	---	---	--	--	--
MW-5	3/13/2002	--		33.99	--	--	11.46	22.53	530	<2.5	<2.5	<2.5	<2.5	230	--	--
	6/28/2002	--	b	33.99	--	--	11.75	22.24	180	<1.0	2.6	<1.0	1.2	230	--	--
	9/20/2002	--		33.99	--	--	12.15	21.84	<50	<0.50	<0.50	<0.50	<1.50	333	--	--
	12/30/2002	--		33.99	--	--	9.73	24.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		33.99	--	--	11.24	22.75	100	<0.50	<0.50	<0.50	<0.50	59	--	--
	6/30/2003	--		33.99	--	--	11.62	22.37	91	<0.50	<0.50	<0.50	<0.50	58	--	--
	9/15/2003	--		33.99	--	--	12.13	21.86	<250	<2.5	<2.5	<2.5	<2.5	61	--	--
	12/04/2003	P		33.99	--	--	11.85	22.14	81	<0.50	<0.50	<0.50	<0.50	42	1.7	7.0
	03/10/2004	P		35.97	--	--	10.34	25.63	<50	<0.50	<0.50	<0.50	<0.50	9.5	1.2	6.6
	06/10/2004	P		35.97	--	--	11.65	24.32	55	<0.50	<0.50	<0.50	<0.50	31	1.3	7.0
	09/22/2004	P		35.97	--	--	12.23	23.74	<50	<0.50	<0.50	<0.50	<0.50	15	0.8	6.8
	12/13/2004	P		35.97	--	--	11.16	24.81	<50	<0.50	<0.50	<0.50	<0.50	5.4	3.76	6.8
	03/10/2005	P		35.97	--	--	9.90	26.07	<100	<0.50	<0.50	<0.50	<4.0	3.3	2.6	7.7
	06/29/2005	P		35.97	--	--	11.35	24.62	<50	<0.50	<0.50	<0.50	<0.50	6.7	0.93	6.6
	09/14/2005	P		35.97	--	--	11.80	24.17	<50	<0.50	0.91	<0.50	0.68	13	0.8	6.9

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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-5	**12/13/2005**	--		**35.97**	--	--	**11.60**	**24.37**	--	--	--	--	--	--	--	--
MW-8	3/13/2002	--		32.79	--	--	10.30	22.49	500	<2.5	<2.5	<2.5	<2.5	1,100	--	--
	6/28/2002	--	b	32.79	--	--	10.30	22.49	150	<0.50	2.9	0.54	1.5	130	--	--
	9/20/2002	--		32.79	--	--	10.84	21.95	<50	<0.50	<0.50	<0.50	<1.50	273	--	--
	12/30/2002	--		32.79	--	--	8.31	24.48	<50	<0.50	<0.50	<0.50	<0.50	5.5	--	--
	3/27/2003	--		32.79	--	--	9.85	22.94	63	<0.50	<0.50	<0.50	<0.50	33	--	--
	6/30/2003	--		32.79	--	--	10.20	22.59	<50	<0.50	<0.50	<0.50	<0.50	15	--	--
	9/15/2003	--		32.79	--	--	10.69	22.10	59	<0.50	<0.50	<0.50	<0.50	41	--	--
	12/04/2003	P		32.79	--	--	10.43	22.36	<50	<0.50	<0.50	<0.50	<0.50	24	1.0	7.0
	03/10/2004	P		34.47	--	--	9.04	25.43	<50	<0.50	<0.50	<0.50	<0.50	2.4	0.9	6.8
	06/10/2004	P		34.47	--	--	10.40	24.07	<50	<0.50	<0.50	<0.50	<0.50	2.1	0.6	7.0
	09/22/2004	P		34.47	--	--	10.74	23.73	84	<0.50	<0.50	<0.50	<0.50	18	0.9	6.9
	12/13/2004	P		34.47	--	--	9.73	24.74	<50	<0.50	<0.50	<0.50	<0.50	7.1	0.95	6.8
	03/10/2005	P		34.47	--	--	8.17	26.30	<100	<0.50	<0.50	<0.50	<4.0	1.4	2.0	7.4
	06/29/2005	P		34.47	--	--	9.93	24.54	<50	<0.50	<0.50	<0.50	<0.50	1.7	1.72	7.0
	09/14/2005	P		34.47	--	--	10.35	24.12	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
	12/13/2005	--		**34.47**	--	--	**10.18**	**24.29**	--	--	--	--	--	--	--	--
MW-9	3/13/2002	--		32.11	--	--	9.49	22.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		32.11	--	--	9.78	22.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		32.11	--	--	10.29	21.82	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
	12/30/2002	--		32.11	--	--	7.60	24.51	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		32.11	--	--	9.14	22.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	u	32.11	--	--	9.64	22.47	--	--	--	--	--	--	--	--
	9/15/2003	--		32.11	--	--	10.12	21.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	--	u	32.11	--	--	--	--	--	--	--	--	--	--	--	--
	03/10/2004	P		34.00	--	--	8.46	25.54	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	7.3
	06/10/2004	--	u	34.00	--	--	9.88	24.12	--	--	--	--	--	--	--	--
	09/22/2004	P		34.00	--	--	10.05	23.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.0
	12/13/2004	--	u	34.00	--	--	9.17	24.83	--	--	--	--	--	--	--	--
	03/10/2005	P		34.00	--	--	8.17	25.83	<100	<0.50	<0.50	<0.50	<4.0	<0.50	2.2	7.7
	06/29/2005	--		34.00	--	--	9.28	24.72	--	--	--	--	--	--	--	--
	09/14/2005	P		34.00	--	--	9.70	24.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.8
	12/13/2005	--		**34.00**	--	--	**9.64**	**24.36**	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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	3/13/2002	--		31.67	--	--	9.68	21.99	680	<5.0	<5.0	<5.0	<5.0	570	--	--
	6/28/2002	--	b	31.67	--	--	9.84	21.83	820	<2.0	<2.0	<2.0	<2.0	1,200	--	--
	9/20/2002	--		31.67	--	--	10.37	21.30	194	<0.50	<0.50	<0.50	<1.50	575	--	--
	12/30/2002	--		31.67	--	--	7.70	23.97	<50	<0.50	<0.50	<0.50	<0.50	490	--	--
	3/27/2003	--		31.67	--	--	9.33	22.34	530	<5.0	<5.0	<5.0	<5.0	330	--	--
	6/30/2003	--		31.67	--	--	9.75	21.92	<1,000	<10	<10	<10	<10	750	--	--
	9/15/2003	P		31.67	--	--	10.17	21.50	<500	<5.0	<5.0	<5.0	<5.0	430	--	--
	12/04/2003	P		31.67	--	--	9.95	21.72	<250	<2.5	<2.5	<2.5	<2.5	110	--	6.9
	03/10/2004	P		33.50	--	--	8.57	24.93	420	<2.5	<2.5	<2.5	<2.5	140	1.2	6.5
	06/10/2004	--		33.50	--	--	9.95	23.55	600	<5.0	<5.0	<5.0	<5.0	410	--	6.9
	09/22/2004	P		33.50	--	--	10.23	23.27	560	<0.50	<0.50	<0.50	<0.50	87	0.8	6.9
	12/13/2004	P		33.50	--	--	9.28	24.22	290	<1.0	<1.0	<1.0	<1.0	110	1.6	6.5
	03/10/2005	P		33.50	--	--	7.97	25.53	280	<0.50	<0.50	<0.50	<4.0	86	3.2	7.3
	06/29/2005	P		33.50	--	--	9.45	24.05	<250	<2.5	<2.5	<2.5	<2.5	160	1.13	6.8
	09/14/2005	P		33.50	--	--	9.92	23.58	340	<2.5	<2.5	<2.5	<2.5	140	0.7	6.9
	12/13/2005	**P**		**33.50**	**--**	**--**	**9.73**	**23.77**	**270**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**47**	**1.8**	**6.5**
MW-11	3/13/2002	--		32.54	--	--	10.38	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		32.54	--	--	10.74	21.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		32.54	--	--	11.27	21.27	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
	12/30/2002	--		32.54	--	--	8.73	23.81	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		32.54	--	--	10.25	22.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--		32.54	--	--	10.65	21.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	9/15/2003	--		32.54	--	--	11.03	21.51	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	P		32.54	--	--	10.84	21.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	7.0
	03/10/2004	P		34.55	--	--	9.41	25.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	6.9
	06/10/2004	--		34.55	--	--	10.82	23.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.9
	09/22/2004	P		34.55	--	--	11.10	23.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.9
	12/13/2004	P		34.55	--	--	10.19	24.36	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.83	6.6
	03/10/2005	P		34.55	--	--	8.87	25.68	<100	<0.50	<0.50	<0.50	<4.0	<0.50	2.3	7.7
	06/29/2005	P		34.55	--	--	10.37	24.18	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.83	6.3
	09/14/2005	P		34.55	--	--	10.78	23.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	6.9
	12/13/2005	**--**		**34.55**	**--**	**--**	**10.62**	**23.93**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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-14	3/13/2002	--		30.46	--	--	8.56	21.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	30.46	--	--	9.12	21.34	--	--	--	--	--	--	--	--
	9/20/2002	--	q	30.46	--	--	9.79	20.67	--	--	--	--	--	--	--	--
	12/30/2002	--	q	30.46	--	--	7.13	23.33	--	--	--	--	--	--	--	--
	3/27/2003	--		30.46	--	--	8.53	21.93	<50	<0.50	0.86	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	30.46	--	--	9.05	21.41	--	--	--	--	--	--	--	--
	9/15/2003	--	q	30.46	--	--	9.47	20.99	--	--	--	--	--	--	--	--
	12/04/2003	--	q	30.46	--	--	9.20	21.26	--	--	--	--	--	--	--	--
	03/10/2004	--	q	32.61	--	--	7.90	24.71	--	--	--	--	--	--	--	--
	06/10/2004	--	q	32.61	--	--	9.25	23.36	--	--	--	--	--	--	--	--
	09/22/2004	P		32.61	--	--	9.55	23.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	--
	12/13/2004	--		32.61	--	--	8.46	24.15	--	--	--	--	--	--	--	--
	03/10/2005	--		32.61	--	--	7.32	25.29	--	--	--	--	--	--	--	--
	06/29/2005	--		32.61	--	--	8.77	23.84	--	--	--	--	--	--	--	--
	09/14/2005	P		32.61	--	--	9.20	23.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	6.9
	12/13/2005	--		**32.61**	--	--	**8.96**	**23.65**	--	--	--	--	--	--	--	--
MW-15	3/13/2002	--		31.41	--	--	10.03	21.38	<50	<0.50	<0.50	<0.50	<0.50	21	--	--
	6/28/2002	--		31.41	--	--	10.41	21.00	<50	<0.50	<0.50	<0.50	<0.50	8.7	--	--
	9/20/2002	--		31.41	--	--	11.00	20.41	<50	<0.50	<0.50	<0.50	<1.50	21.6	--	--
	12/30/2002	--		31.41	--	--	8.33	23.08	<50	<0.50	<0.50	<0.50	<0.50	67	--	--
	3/27/2003	--		31.41	--	--	9.83	21.58	<50	<0.50	<0.50	<0.50	<0.50	17	--	--
	6/30/2003	--		31.41	--	--	10.00	21.41	<50	<0.50	<0.50	<0.50	<0.50	12	--	--
	9/15/2003	--		31.41	--	--	10.67	20.74	<50	<0.50	<0.50	<0.50	<0.50	10	--	--
	12/04/2003	P		31.41	--	--	10.47	20.94	<50	<0.50	<0.50	<0.50	<0.50	6.4	2.6	7.0
	03/10/2004	P		33.49	--	--	9.09	24.40	<50	<0.50	<0.50	<0.50	<0.50	11	1.5	6.9
	06/10/2004	P		33.49	--	--	10.50	22.99	<50	<0.50	<0.50	<0.50	<0.50	5.7	0.5	6.9
	09/22/2004	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2004	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
	03/10/2005	P		33.49	--	--	8.50	24.99	<100	<0.50	<0.50	<0.50	<4.0	5.4	2.7	7.7
	06/29/2005	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
	09/14/2005	--	r	33.49	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/2005	--		**33.49**	--	--	**10.16**	**23.33**	--	--	--	--	--	--	--	--
MW-16	3/13/2002	--		31.39	--	--	10.51	20.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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-16	6/28/2002	--		31.39	--	--	10.96	20.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		31.39	--	--	10.47	20.92	<50	<0.50	<0.50	<0.50	<1.50	1.67	--	--
	12/30/2002	--		31.39	--	--	---	--	--	--	--	--	--	--	--	--
	3/27/2003	--		31.39	--	--	10.28	21.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	i, q	31.39	--	--	10.87	20.52	--	--	--	--	--	--	--	--
	9/15/2003	--		31.39	--	--	11.25	20.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	12/04/2003	--	u	31.39	--	--	10.99	20.40	--	--	--	--	--	--	--	--
	03/10/2004	P		33.41	--	--	9.66	23.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.5
	06/10/2004	--		33.41	--	--	11.06	22.35	--	--	--	--	--	--	--	--
	09/22/2004	P		33.41	--	--	11.40	22.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	7.0
	12/13/2004	--		33.41	--	--	10.27	23.14	--	--	--	--	--	--	--	--
	03/10/2005	P		33.41	--	--	9.03	24.38	<100	<0.50	<0.50	<0.50	<4.0	<0.50	3.9	7.0
	06/29/2005	--		33.41	--	--	10.60	22.81	--	--	--	--	--	--	--	--
	09/14/2005	P		33.41	--	--	11.02	22.39	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
	12/13/2005	--		**33.41**	--	--	**10.79**	**22.62**	--	--	--	--	--	--	--	--
MW-18	3/13/2002	--		29.70	--	--	9.46	20.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	29.70	--	--	10.05	19.65	--	--	--	--	--	--	--	--
	9/20/2002	--	q	29.70	--	--	10.67	19.03	--	--	--	--	--	--	--	--
	12/30/2002	--	q	29.70	--	--	7.98	21.72	--	--	--	--	--	--	--	--
	3/27/2003	--		29.70	--	--	9.18	20.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	29.70	--	--	9.68	20.02	--	--	--	--	--	--	--	--
	9/15/2003	--	q	29.70	--	--	10.30	19.40	--	--	--	--	--	--	--	--
	12/04/2003	--	q	29.70	--	--	9.99	19.71	--	--	--	--	--	--	--	--
	03/10/2004	--	q	31.87	--	--	8.78	23.09	--	--	--	--	--	--	--	--
	06/10/2004	--	q	31.87	--	--	10.12	21.75	--	--	--	--	--	--	--	--
	09/22/2004	P		31.87	--	--	10.45	21.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9
	12/13/2004	--		31.87	--	--	9.25	22.62	--	--	--	--	--	--	--	--
	03/10/2005	--		31.87	--	--	8.35	23.52	--	--	--	--	--	--	--	--
	06/29/2005	--		31.87	--	--	9.65	22.22	--	--	--	--	--	--	--	--
	09/14/2005	P		31.87	--	--	10.10	21.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9
	12/13/2005	--		**31.87**	--	--	**9.90**	**21.97**	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-21	9/20/2002	--	q	28.72	--	--	10.27	18.45	--	--	--	--	--	--	--	--
	12/30/2002	--	q	28.72	--	--	7.70	21.02	--	--	--	--	--	--	--	--
	3/27/2003	--		28.72	--	--	9.05	19.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	28.72	--	--	9.48	19.24	--	--	--	--	--	--	--	--
	9/15/2003	--	q	28.72	--	--	10.06	18.66	--	--	--	--	--	--	--	--
	12/04/2003	--	q	28.72	--	--	9.69	19.03	--	--	--	--	--	--	--	--
	03/10/2004	--	q	30.67	--	--	8.60	22.07	--	--	--	--	--	--	--	--
	06/10/2004	--	q	30.67	--	--	9.85	20.82	--	--	--	--	--	--	--	--
	09/22/2004	P		30.67	--	--	10.17	20.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	6.9
	12/13/2004	--		30.67	--	--	8.92	21.75	--	--	--	--	--	--	--	--
	03/10/2005	--		30.67	--	--	8.10	22.57	--	--	--	--	--	--	--	--
	06/29/2005	--		30.67	--	--	9.48	21.19	--	--	--	--	--	--	--	--
	09/14/2005	P		30.67	--	--	9.88	20.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	6.9
	12/13/2005	--		**30.67**	--	--	**9.57**	**21.10**	--	--	--	--	--	--	--	--
MW-22	3/13/2002	--		29.29	--	--	9.86	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		29.29	--	--	10.65	18.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	9/20/2002	--		29.29	--	--	11.05	18.24	<50	<0.50	<0.50	<0.50	<1.50	<0.500	--	--
	12/30/2002	--		29.29	--	--	8.28	21.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	3/27/2003	--		29.29	--	--	9.85	19.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	i, q	29.29	--	--	10.20	19.09	--	--	--	--	--	--	--	--
	9/15/2003	--		29.29	--	--	10.81	18.48	<500	<5.0	<5.0	<5.0	<5.0	<5.0	--	--
	12/04/2003	--		29.29	--	--	10.49	18.80	--	--	--	--	--	--	--	--
	03/10/2004	P		31.43	--	--	9.24	22.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	6.6
	06/10/2004	--		31.43	--	--	10.60	20.83	--	--	--	--	--	--	--	--
	09/22/2004	P		31.43	--	--	10.94	20.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
	12/13/2004	--		31.43	--	--	9.73	21.70	--	--	--	--	--	--	--	--
	03/10/2005	P		31.43	--	--	8.65	22.78	<100	<0.50	<0.50	<0.50	<4.0	<0.50	3.3	7.4
	06/29/2005	--		31.43	--	--	10.25	21.18	--	--	--	--	--	--	--	--
	09/14/2005	P		31.43	--	--	10.65	20.78	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.0
	12/13/2005	--		**31.43**	--	--	**10.39**	**21.04**	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-23	12/30/2002	--	q	30.99	--	--	9.42	21.57	--	--	--	--	--	--	--	--
	3/27/2003	--		30.99	--	--	11.00	19.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	30.99	--	--	11.47	19.52	--	--	--	--	--	--	--	--
	9/15/2003	--	q	30.99	--	--	11.84	19.15	--	--	--	--	--	--	--	--
	12/04/2003	--	q	30.99	--	--	11.61	19.38	--	--	--	--	--	--	--	--
	03/10/2004	--	q	33.16	--	--	10.24	22.92	--	--	--	--	--	--	--	--
	06/10/2004	--	q	33.16	--	--	11.60	21.56	--	--	--	--	--	--	--	--
	09/22/2004	P		33.16	--	--	11.95	21.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.9
	12/13/2004	--		33.16	--	--	10.88	22.28	--	--	--	--	--	--	--	--
	03/10/2005	--		33.16	--	--	9.63	23.53	--	--	--	--	--	--	--	--
	06/29/2005	--		33.16	--	--	11.28	21.88	--	--	--	--	--	--	--	--
	09/14/2005	P		33.16	--	--	11.70	21.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	6.9
	12/13/2005	**--**		**33.16**	**--**	**--**	**11.44**	**21.72**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-25	3/13/2002	--		33.81	--	--	10.99	22.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--		33.81	--	--	11.26	22.55	<50	<0.50	<0.50	<0.50	<0.50	36	--	--
	9/20/2002	--		33.81	--	--	11.65	22.16	117	<0.50	<0.50	<0.50	<1.50	259	--	--
	12/30/2002	--	d, f	33.81	--	--	9.33	24.48	95	13	<0.50	<0.50	<0.50	98	--	--
	3/27/2003	--		33.81	--	--	10.82	22.99	150	<0.50	<0.50	<0.50	<0.50	90	--	--
	6/30/2003	--		33.81	--	--	11.20	22.61	<500	<5.0	<5.0	<5.0	<5.0	130	--	--
	9/15/2003	--		33.81	--	--	11.62	22.19	220	<1.0	<1.0	<1.0	<1.0	140	--	--
	12/04/2003	P		33.81	--	--	11.41	22.40	81	<0.50	<0.50	<0.50	<0.50	36	1.2	7.0
	03/10/2004	P		36.33	--	--	10.04	26.29	<50	<0.50	<0.50	<0.50	<0.50	14	1.2	6.7
	06/10/2004	P		36.33	--	--	11.40	24.93	<50	<0.50	<0.50	<0.50	<0.50	17	0.8	7.1
	09/22/2004	P		36.33	--	--	11.74	24.59	<50	<0.50	<0.50	<0.50	<0.50	29	1.1	7.0
	12/13/2004	P		36.33	--	--	10.72	25.61	<50	<0.50	<0.50	<0.50	<0.50	44	1.22	6.9
	03/10/2005	P		36.33	--	--	9.45	26.88	<100	<0.50	<0.50	<0.50	<4.0	7.4	2.0	7.7
	06/29/2005	P		36.33	--	--	10.91	25.42	<50	<0.50	<0.50	<0.50	<0.50	20	0.97	6.9
	09/14/2005	P		36.33	--	--	11.35	24.98	<50	<0.50	<0.50	<0.50	<0.50	8.0	1.2	6.9
	12/13/2005	**P**		**36.33**	**--**	**--**	**11.14**	**25.19**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**13**	**0.8**	**6.8**
MW-26	3/13/2002	--		33.71	--	--	11.27	22.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	6/28/2002	--	q	33.71	--	--	11.70	22.01	--	--	--	--	--	--	--	--
	9/20/2002	--	q	33.71	--	--	12.10	21.61	--	--	--	--	--	--	--	--
	12/30/2002	--	q	33.71	--	--	9.60	24.11	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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	3/27/2003	--		33.71	--	--	11.15	22.56	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	6/30/2003	--	q	33.71	--	--	11.61	22.10	--	--	--	--	--	--	--	--
	9/15/2003	--	q	33.71	--	--	12.01	21.70	--	--	--	--	--	--	--	--
	12/04/2003	--	q	33.71	--	--	11.78	21.93	--	--	--	--	--	--	--	--
	03/10/2004	--	q	35.70	--	--	10.45	25.25	--	--	--	--	--	--	--	--
	06/10/2004	--	q	35.70	--	--	11.82	23.88	--	--	--	--	--	--	--	--
	09/22/2004	P		35.70	--	--	12.05	23.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	7.0
	12/13/2004	--		35.70	--	--	11.08	24.62	--	--	--	--	--	--	--	--
	03/10/2005	--		35.70	--	--	9.80	25.90	--	--	--	--	--	--	--	--
	06/29/2005	--		35.70	--	--	11.30	24.40	--	--	--	--	--	--	--	--
	09/14/2005	P		35.70	--	--	11.55	24.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	6.8
	12/13/2005	**--**		**35.70**	**--**	**--**	**11.54**	**24.16**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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 ft bgs
ft bgs = feet below ground surface
ft MSL = feet above mean sea level
GRO = Gasoline range organics, range C4-C12
GWE = Groundwater elevation measured in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Well not purged prior to sampling
P = Well purged prior to sampling
TOC = Top of casing measured in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter

NOTES:
a = Well elevation data obtained from Quarterly Groundwater Monitoring and Site Status Report, Fourth Quarter 1994.
b = GRO/TPH-g Chromatogram Pattern: Unidentified Hydrocarbons C6-C10
c = Hydrocarbon pattern for GRO/TPH-g is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
d = GRO/TPH-g Chromatogram Pattern: C6-C10
e = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
f = The continuing calibration was outside the acceptance criteria. This should be considered in evaluating the result for its intended purpose.
g = Groundwater extraction system pumping; inaccurate DTW.
h = Groundwater extraction system not pumping.
i = Sampling frequency changed from quarterly to annually per recommendations in first quarter 2003 groundwater monitoring report.
j = Well not accessible this quarter.
k = Well destroyed.
l = MTBE confirmed by EPA Method 8260B (Method 8260B result is the second value.)
m = No gauging port. Sample taken from spigot.
n = Well inaccessible as homeowner not available.
o = Pump not working or well dry.
p = Gauged with pump in well. Opened cam lock fitting at wellhead.
q = Well sampled annually.
r = Well inaccessible--car parked over well.
u = Well sampled semi-annually.

NOTES:
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. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported. Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12
Values for DO and pH were obtained through field measurements.

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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	
	09/14/2005	<100	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	c
	12/13/2005	**<100**	**<20**	**12**	**<0.50**	**<0.50**	**0.61**	**<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	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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-5	03/10/2005	<100	<10	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	b
	06/29/2005	<100	<20	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/14/2005	<100	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	c
MW-8	3/27/2003	<100	<20	33	<0.50	<0.50	0.53	--	--	
	6/30/2003	<100	<20	15	<0.50	<0.50	0.85	<0.50	<0.50	
	9/15/2003	<100	<20	41	<0.50	<0.50	5.3	--	--	
	12/04/2003	<100	<20	24	<0.50	<0.50	3.7	--	--	
	03/10/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	18	<0.50	<0.50	1.5	<0.50	<0.50	
	12/13/2004	<100	<20	7.1	<0.50	<0.50	0.78	<0.50	<0.50	
	03/10/2005	<100	<10	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	b
	06/29/2005	<100	<20	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	c
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
	09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	c
MW-10	3/27/2003	<1,000	<200	330	<5.0	<5.0	15	--	--	
	6/30/2003	<2,000	<400	750	<10	<10	28	<10	<10	
	9/15/2003	<1,000	<200	430	<5.0	<5.0	15	<5.0	<5.0	
	12/04/2003	<500	<100	110	<2.5	<2.5	4.8	--	--	
	03/10/2004	<500	120	140	<2.5	<2.5	<2.5	<2.5	<2.5	
	06/10/2004	<1,000	<200	410	<5.0	<5.0	11	<5.0	<5.0	
	09/22/2004	<100	54	87	<0.50	<0.50	3.8	<0.50	<0.50	
	12/13/2004	<200	220	110	<1.0	<1.0	4.5	<1.0	<1.0	
	03/10/2005	<100	50	86	<0.50	<0.50	2.2	<0.50	<0.50	
	06/29/2005	<500	110	160	<2.5	<2.5	4.6	<2.5	<2.5	
	09/14/2005	<500	300	140	<2.5	<2.5	3.5	<2.5	<2.5	c
	12/13/2005	**<100**	**190**	**47**	**<0.50**	**<0.50**	**1.9**	**<0.50**	**<0.50**	
MW-11	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard, 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	6/30/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/04/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/13/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
	06/29/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	c
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	
	09/14/2005	<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
	09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-18	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
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	
	09/14/2005	<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 Boulevard, 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-22	3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	9/15/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2005	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
	09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
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	
	09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-25	3/27/2003	<100	<20	90	<0.50	<0.50	40	--	--	
	6/30/2003	<1,000	<200	130	<5.0	<5.0	81	<5.0	<5.0	
	9/15/2003	<200	<40	140	<1.0	<1.0	71	<1.0	<1.0	
	12/04/2003	<100	<20	36	<0.50	<0.50	17	--	--	
	03/10/2004	<100	<20	14	<0.50	<0.50	6.5	<0.50	<0.50	
	06/10/2004	<100	<20	17	<0.50	<0.50	7.2	<0.50	<0.50	
	09/22/2004	<100	<20	29	<0.50	<0.50	18	<0.50	<0.50	
	12/13/2004	<100	45	44	<0.50	<0.50	18	<0.50	<0.50	
	03/10/2005	<100	<10	7.4	<0.50	<0.50	2.3	<0.50	<0.50	b
	06/29/2005	<100	<20	20	<0.50	<0.50	12	<0.50	<0.50	
	09/14/2005	<100	<20	8.0	<0.50	<0.50	4.1	<0.50	<0.50	
	12/13/2005	**<100**	**<20**	**13**	**<0.50**	**<0.50**	**5.5**	**<0.50**	**<0.50**	
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	
	09/14/2005	<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 Boulevard, 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
µg/L = Micrograms per Liter

FOOTNOTES:
a = Well was not accessible this quarter.
b = Possible high bias due to CCV falling outside acceptance criteria for TBA.
c = Calibration verification was within method limits but outside the contract limits for ethanol.

NOTES:
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 analyzed using EPA Method 8260B.

Table 3

Groundwater Gradient Data

ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
6/28/2002	West	0.003
9/20/2002	West	0.00196
12/30/2002	West	0.003
3/27/2003	West	0.002
6/30/2003	West-Southwest	0.001
9/15/2003	West	0.003
12/4/2003	West-Southwest	0.003
3/10/2004	West	0.003
6/10/2004	West	0.006
9/22/2004	West	0.006
12/13/2004	West-Southwest	0.003
3/10/2005	West-Southwest	0.003
6/29/2005	West-Southwest	0.003
9/14/2005	West-Southwest	0.003
12/13/2005	**West**	**0.003**

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		Semiannually (1st and 3rd Quarter)
MW-7	----------Removed from Program----------				
MW-8	X		X		Semiannually (1st and 3rd Quarter)
MW-9			X		Annually (3rd Quarter)
MW-10	X	X	X	X	Quarterly
MW-11			X		Annually (3rd Quarter)
E-1A	X	X	X	X	Quarterly
MW-13	----------Removed from Program----------				
MW-14			X		Annually (3rd Quarter)
MW-15	X		X		Semiannually (1st and 3rd Quarter)
MW-16			X		Annually (3rd Quarter)
MW-17	----------Destroyed----------				
MW-18			X		Annually (3rd Quarter)
MW-19	----------Removed from Program----------				
MW-20	----------Destroyed----------				
MW-21			X		Annually (3rd Quarter)
MW-22			X		Annually (3rd Quarter)
MW-23			X		Annually (3rd Quarter)
MW-24	----------Removed from Program----------				
MW-25	X	X	X	X	Quarterly
MW-26			X		Annually (3rd Quarter)
Domestic Irrigation Wells					
590H	----------Destroyed----------				
633H	----------Destroyed----------				
634H	----------Pump Not Functional, Well Not In Use----------				
642H	X	X	X	X	Quarterly
675H	----------Destroyed----------				
17197 VM	----------Destroyed----------				
17200 VM	----------Destroyed----------				
17203 VM	----------Destroyed----------				
17302 VM	----------Pump Not Functional, Well Not In Use----------				
17348 VE	----------Pump Not Functional, Well Not In Use----------				
17349 VM	----------Destroyed----------				
17371 VM	----------Destroyed----------				
17372 VM	X	X	X	X	Quarterly
17393 VM	----------Destroyed----------				

Notes:
Beginning third quarter 2005, the sampling schedule was changed.

Table 5

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 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)
08/17/94	c	20,920	5.0	51,260	91,580	2.0	ND	0.10	3.93	1.8	0.003	0.26	---	---	---
09/12/94		21,549	0.0	120,910	69,650	1.8	ND	0.00	3.93	ND	0.001	0.26	---	---	---
10/18/94		22,408	0.5	211,880	90,970	1.8	ND	0.00	3.93	ND	0.000	0.26	---	---	---
11/15/94		23,080	0.0	280,840	68,960	1.7	ND	0.00	3.93	0.7	0.000	0.26	---	---	---
12/05/94		23,489	14.8	325,830	44,990	1.8	470	0.09	4.02	32.0	0.006	0.27	---	---	---
01/04/95		24,205	0.6	408,740	82,910	1.9	ND	0.16	4.18	1.1	0.011	0.28	---	---	---
02/06/95		24,926	9.0	499,690	90,950	2.1	100	0.04	4.22	2.4	0.001	0.28	---	---	---
03/02/95		25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28	---	---	---
04/04/95		26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28	---	---	---
05/02/95		26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29	---	---	---
06/05/95		27,721	2.4	848,810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29	---	---	---
07/06/95		28,464	0.1	921,260	72,450	1.6	270	0.08	4.74	2.4	0.001	0.29	---	---	---
08/21/95	d	29,568	0.0	993,320	72,060	1.1	230	0.15	4.89	1.8	0.001	0.29	---	---	---
06/05/00	e	29,592	—	976,600	---	---	700	---	4.89	7.2	—	0.29	361.0	---	0.000
06/05/00		29,593	0.0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361.0	0.01	0.010
07/08/00		30,352	4.2	1,131,560	151,760	3.3	133	0.53	5.43	5.1	0.008	0.30	272.0	0.40	0.410
08/07/00		30,955	16.3	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126.0	0.16	0.570
09/08/00		31,528	25.4	1,306,300	78,060	2.3	261	0.13	5.68	2.7	0.002	0.30	120.0	0.08	0.651
10/10/00		32,230	8.6	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.694
11/07/00		32,880	3.3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.727
12/05/00		33,516	5.4	1,548,840	75,910	2.0	167	0.09	5.99	0.8	0.000	0.31	104.0	0.06	0.791
01/04/01		33,924	43.3	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.828
02/06/01		34,556	20.2	1,672,330	76,990	2.0	203	0.07	6.08	0.6	0.000	0.31	80.5	0.05	0.882
03/08/01		34,776	69.5	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.899
03/24/01	†	35,088	18.7	1,741,170	42,310	2.3	---	0.07	6.20	---	0.000	0.31	—	0.03	0.928
04/18/01		35,335	59.0	1,770,860	29,690	2.0	75	0.04	6.24	ND	0.000	0.31	97.5	0.02	0.950
05/04/01		35,716	0.0	1,812,690	41,830	1.8	63	0.02	6.26	ND	0.000	0.31	93.2	0.03	0.983
06/09/01		36,345	27.1	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	71.0	0.05	1.029
07/05/01	f	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430.0	0.04	1.066
08/14/01	f	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0.000	0.31	870.0	0.17	1.235
09/05/01		37,219	24.8	1,977,050	48,540	2.0	<100	0.06	6.42	<1.0	0.000	0.31	340.0	0.24	1.480
10/05/01		37,932	0.0	2,040,950	63,900	1.5	ND	0.00	6.42	ND	0.000	0.31	150.0	0.13	1.611
11/13/01		38,820	0.0	2,119,670	78,720	1.5	ND	0.00	6.42	ND	0.000	0.31	92.0	0.08	1.690
12/11/01		39,496	0.0	2,186,530	66,860	1.6	65	0.02	6.44	ND	0.000	0.31	83.0	0.05	1.739
01/04/02		40,063	0.0	2,248,700	62,170	1.8	<50	0.02	6.46	ND	0.000	0.31	140.0	0.06	1.797

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)
02/05/02		40,830	0.2	2,333,090	84,390	1.8	100	0.04	6.49	ND	0.000	0.31	190.0	0.12	1.913
03/05/02		40,968	79.4	2,353,460	20,370	2.5	150	0.02	6.51	<1.2	0.000	0.31	350.0	0.05	1.959
04/08/02		41,735	6.0	2,448,360	94,900	2.1	400	0.22	6.73	9.6	0.004	0.31	260.0	0.24	2.200
05/16/02		42,642	0.6	2,499,320	50,960	0.9	310	0.15	6.88	<1.0	0.002	0.31	330.0	0.13	2.325
05/31/02		42,832	47.2	2,503,380	4,060	0.4	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
08/19/02	g	44,925	---	2,520,289	16,909	0.1	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
10/03/02	g	44,956	---	2,520,582	293	0.2	---	0.00	6.88	---	0.000	0.31	---	0.00	2.325
10/07/02	g	44,956	---	2,522,394	1,812	---	160	0.00	6.89	<1.0	0.000	0.31	130.0	0.00	2.329
11/07/02	h	0	---	2,527,925	5,531	---	250	0.01	6.89	<1.0	0.000	0.31	210.0	0.01	2.337
12/05/02		479	28.7	2,528,113	188	0.0	220	0.00	6.89	<1.0	0.000	0.31	110.0	0.00	2.337
01/03/03		1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	<1.0	0.000	0.31	140.0	0.07	2.403
02/13/03		2,156	0.2	2,692,710	101,351	1.7	<250	0.07	7.07	<2.5	0.000	0.31	66.0	0.09	2.490
03/27/03		3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	<0.50	0.000	0.31	71.0	0.06	2.546
04/24/03		4,172	0.0	2,865,050	74,382	1.2	120	0.07	7.19	<0.50	0.000	0.31	56.0	0.04	2.585
05/30/03		4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	<5.0	0.000	0.31	<50	0.00	2.585
06/19/03		4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	<5.0	0.000	0.31	46.0	0.01	2.593
07/24/03		5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	<0.50	0.000	0.31	41.0	0.08	2.678
08/28/03		6,165	0.8	3,040,900	68,538	1.4	<50	0.01	7.39	<0.50	0.000	0.31	30.0	0.02	2.698
09/25/03		6,838	0.0	3,095,020	54,120	1.3	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.01	2.711
10/23/03		7,512	0.0	3,149,200	177,215	1.1	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.04	2.753
11/20/03		8,182	0.3	3,204,612	55,412	1.4	<50	0.00	7.39	<0.50	0.000	0.31	22.0	0.01	2.764
12/18/03		8,851	1.1	3,264,487	30,531	1.5	52	0.01	7.40	<0.50	0.000	0.31	27.0	0.00	2.770
01/08/04		9,356	1.0	3,312,485	47,998	1.6	--	0.00	7.40	--	0.000	0.31	--	0.00	2.770
01/22/04		9,690	0.7	3,344,994	32,509	1.6	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.774
02/19/04		10,357	1.6	3,410,457	32,947	1.7	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.00	2.781
03/18/04		11,030	0.0	3,480,800	70,343	1.7	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.02	2.796
04/07/04		11,509	0.2	3,524,179	43,379	1.5	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.01	2.806
04/22/04		11,869	0.0	3,552,144	27,965	1.3	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.811
05/19/04		12,522	0.0	3,607,015	54,871	1.4	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.819
06/16/04		13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	<0.50	0.000	0.31	20.0	0.01	2.829
07/22/04		14,050	1.4	3,736,245	71,651	1.4	<50	0.02	7.43	<0.50	0.000	0.31	15.0	0.01	2.839
08/26/04		14,890	0.0	3,803,030	66,785	1.3	<50	0.00	7.43	<0.50	0.000	0.31	23.0	0.01	2.850
09/16/04		15,394	0.0	3,832,211	29,181	1.0	<50	0.00	7.43	<0.50	0.000	0.31	18.0	0.00	2.855
10/21/04		16,235	0.0	3,891,299	59,088	1.2	<50	0.00	7.43	<0.50	0.000	0.31	17.0	0.01	2.863
11/18/04		16,908	0.0	3,942,990	51,691	1.3	<50	0.00	7.43	<0.50	0.000	0.31	14.0	0.01	2.870

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	2.876
01/19/05		18,396	0.0	4,063,710	69,525	1.4	84	0.02	7.46	<0.50	0.000	0.31	19	0.01	2.886
02/16/05	i	19,068	0.0	4,117,922	54,212	1.3	<50	0.02	7.48	<0.50	0.000	0.31	29	0.01	2.897
03/16/05	i	19,741	0.0	4,175,364	57,442	1.4	56	0.01	7.49	<0.50	0.000	0.31	21	0.01	2.909
04/20/05		20,578	0.3	4,244,807	69,443	1.4	<50	0.02	7.50	<0.50	0.000	0.31	19	0.01	2.921
05/18/05		21,057	28.8	4,279,950	35,143	1.2	82	0.01	7.52	<0.50	0.000	0.31	16	0.01	2.926
06/15/05		21,728	0.1	4,325,824	45,874	1.1	<50	0.02	7.53	<0.50	0.000	0.31	15	0.01	2.932
07/26/05		22,468	24.8	4,369,300	43,476	1.0	<50	0.00	7.53	<0.50	0.000	0.31	13	0.01	2.937
08/25/05		23,184	0.6	4,407,082	37,782	0.9	<50	0.00	7.53	---	0.000	0.31	9.8	0.004	2.940
09/20/05		23,812	0.0	4,436,511	29,429	0.8	<50	0.00	7.53	<0.50	0.000	0.31	8.2	0.002	2.942
10/18/05		**24,483**	**0.2**	**4,465,577**	**29,066**	**0.7**	**<50**	**0.00**	**7.53**	**<0.50**	**0.000**	**0.31**	**9.2**	**0.002**	**2.945**
11/16/05		**25,178**	**0.1**	**4,495,190**	**29,613**	**0.7**	**<50**	**0.00**	**7.53**	**<0.50**	**0.000**	**0.31**	**15**	**0.003**	**2.948**
12/13/05		**25,825**	**0.2**	**4,523,250**	**28,060**	**0.7**	**<50**	**0.00**	**7.53**	**<0.50**	**0.000**	**0.31**	**11**	**0.003**	**2.951**

REPORTING PERIOD:	**9/20/05 to 12/13/05**			
CUMULATIVE GALLONS EXTRACTED:	**8,519,400**			
PERIOD GALLONS EXTRACTED:	**86,739**			
TOTAL POUNDS REMOVED:		**7.53**	**0.31**	**2.95**
TOTAL GALLONS REMOVED:		**1.23**	**0.04**	**0.48**
AVERAGE PERIOD FLOW RATE (gpm):	**0.72**			
PERIOD PERCENT OPERATIONAL:	**99.8%**			
PERIOD POUNDS REMOVED:		**0.000**	**0.000**	**0.008**
PERIOD GALLONS REMOVED:		**0.000**	**0.000**	**0.001**

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
MTBE	= Methyl tert-butyl ether
µg/L	= Micrograms per liter
ND	= Not detected at or above the laboratory reporting limit
TPH-g	= Total purgeable petroleum hydrocarbons as gasoline
---	= Not available/applicable/sampled
<	= Not detected at or above the laboratory reporting limit
†	= Assume same concentration as prior sampling event

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

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

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

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

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) (continued)										
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
02/16/05	<50 [3]	<0.50	<0.50	<0.50	<1.0	29	---	---	---	---
03/16/05	56 [3]	<0.50	<0.50	<0.50	<1.0	21	---	---	---	---
04/20/05	<50 [3]	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/18/05	82 [3]	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	9.8	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2	---	---	---	---
10/18/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**9.2**	---	---	---	---
11/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**15**	---	---	---	---
12/13/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**11**	---	---	---	---
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	---	---	---	---

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) (continued)										
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	---	---	---	---
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	---	---	---	---

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) (continued)										
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
04/20/05	<50 [3]	<0.50	<0.50	<0.50	<1.0	2.4	---	---	---	---
05/18/05	58 [3]	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
10/18/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.1**	**---**	**---**	**---**	**---**
11/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**---**	**---**	**---**	**---**
12/13/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**---**	**---**	**---**	**---**
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	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
2/13/03 [1]	<50	<0.50	<0.50	<0.50	<0.50	1	---	---	---	---
3/27/03 [1]	<50	<0.50	<0.50	<0.50	<0.50	0.94	---	---	---	---
4/24/03 [1]	<50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
5/30/03 [1]	<50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---

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										
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	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/18/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**---**	**---**	**---**	**---**
11/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**3.2**	**---**	**---**	**---**	**---**
12/13/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**2.5**	**---**	**---**	**---**	**---**
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	---	---	---	---	---

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) (continued)										
01/18/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/09/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/04/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/20/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/16/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/21/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	7.19	---
06/12/00	<50	---	---	---	---	---	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	---
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	---

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) (continued)										
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50	---
2/13/03[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12
3/27/03[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08
4/24/03[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23
5/30/03[1]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5)[2]	<20	<10	6.82	3.45
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	0.94
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
02/16/05	<50[3]	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
04/20/05	<50[3]	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<10**	**6.61**	**2.35**
11/16/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<10**	**6.59**	**36.6[4]**
12/13/05	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<30**	**<10**	**7.3**	**2.93**

Table 6

Treatment System Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

SYMBOLS AND ABBREVIATIONS:

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

FOOTNOTES:

1 =Analyzed with EPA Method 8260

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

3 = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

4= Value appears to be anomalous.

NOTES:

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

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

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

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 # 051213-BA1 Date 12/13/05 Client Arco 608

Site 17601 Hesperian Blvd, San Lorenzo

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-5	4					11.60	13.58	TOC	
MW-8	3					10.18	20.90		
MW-9	3					9.64	18.20		
MW-10	3					9.73	22.40		
MW-11	3					10.62	18.71		
E-1A (MW-12)	6		System gauged	running w/pump in well		18.84	—		Ext.
MW-14	3					8.96	23.02		
MW-15	3					10.16	23.18		
MW-16	3					10.79	23.11		
MW-18	3					9.90	21.45		
MW-21	3					9.57	21.49		
MW-22	3					10.39	21.45		
MW-23	3					11.44	21.67		
MW-25	2					11.14	18.48		
MW-26	2					11.54	19.42	→	
642H		Per resident, pump down, no sample taken							
17372VM		Per property owner, pump down, no sample taken							

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051213-BA1	Station # 6608
Sampler: BrianAlcom	Date: 12/13/05
Well I.D.: MW-10	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 22.40	Depth to Water: 9.73
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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0932	65.1	6.4	832.1	4.75	gray, odor
0933	67.8	6.5	826.1	9.5	clear, odor
0934	68.2	6.5	822.3	14.25	" "

Did well dewater? Yes (No)			Gallons actually evacuated: 14.25	
Sampling Time: 0935			Sampling Date: 12/13/05	
Sample I.D.: MW-10			Laboratory: Pace (Sequoia) Other ___	
Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol			Other:	
D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.8 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051213-BA1	Station # 608
Sampler: Brian Alcorn	Date: 12/13/05
Well I.D.: MW-25	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 18.48	Depth to Water: 11.14
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Other: _____

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0954	66.7	6.9	962.8	1.25	Gray,
0956	67.6	6.8	964.4	2.5	"
0958	67.4	6.8	971.5	3.75	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.75

Sampling Time: 1000 Sampling Date: 12/13/05

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

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other:

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge)	0.8 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050123-3A1	Station # 608
Sampler: Brian Alcom	Date: 12/13/05
Well I.D.: E-1A (MW-12)	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: —	Depth to Water: 18.84
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.

Post Sample

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1015	68.1	7.1	925.2	—	clear

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

Sampling Time: 1015 Sampling Date: 12/13/05

Sample I.D.: E-1A (MW-12) Laboratory: Pace (Sequoia) Other _____

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other:

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	8.3 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051213-BA1	Station # 608
Sampler: Brian Alcom	Date: 12/13/05
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	radius² * 0.163

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
Per resident, pump down, no sample taken					

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 Oxy's 1,2-DCA EDB Ethanol	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 #: 051213-BA1	Station # 608
Sampler: Brian Alcom	Date: 12/13/05
Well I.D.: ~~blue~~ 17372 VM	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
Per property owner, pump down, no sample taken					

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 Oxy's 1,2-DCA EDB Ethanol		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:

608

Station #

17601 Hesperian Blvd, San Lorenzo

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

added equip. rinse water_____ any other adjustments_____

TOTAL GALS. RECOVERED 20 loaded onto BTS vehicle # 64

BTS event #	time	date
051213-BA1	1030	12/13/05

signature

* *

REC'D AT	time	date
		/ /

unloaded by signature_____

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of 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
Analytical

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3 January, 2006

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOL0634

Enclosed are the results of analyses for samples received by the laboratory on 12/14/05 16:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOL0634
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	01/03/06 09:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	MOL0634-01	Water	12/13/05 09:35	12/14/05 16:05
MW-25	MOL0634-02	Water	12/13/05 10:00	12/14/05 16:05
E-1A (MW-12)	MOL0634-03	Water	12/13/05 10:15	12/14/05 16:05
TB-608-12132005	MOL0634-04	Water	12/13/05 12:30	12/14/05 16:05

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

These samples were received with intact custody seals.

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOL0634
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	01/03/06 09:45

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MOL0634-01RE1) Water Sampled: 12/13/05 09:35 Received: 12/14/05 16:05									
tert-Amyl methyl ether	**1.9**	0.50	ug/l	1	5L22005	12/22/05	12/22/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**190**	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	**47**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**270**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*60-135*		"	"	"	"	
MW-25 (MOL0634-02) Water Sampled: 12/13/05 10:00 Received: 12/14/05 16:05									
tert-Amyl methyl ether	**5.5**	0.50	ug/l	1	5L21035	12/21/05	12/22/05	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	**13**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81 %*	*60-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	01/03/06 09:45

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E-1A (MW-12) (MOL0634-03) Water	**Sampled: 12/13/05 10:15**		**Received: 12/14/05 16:05**						
tert-Amyl methyl ether	**0.61**	0.50	ug/l	1	5L21035	12/21/05	12/22/05	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	**12**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*		*60-135*	"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	01/03/06 09:45

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 5L21035 - EPA 5030B P/T / EPA 8260B										
Blank (5L21035-BLK1)				Prepared & Analyzed: 12/21/05						
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	*3.79*		"	*5.00*		*76*	*60-135*			
Laboratory Control Sample (5L21035-BS1)				Prepared & Analyzed: 12/21/05						
tert-Amyl methyl ether	14.6	0.50	ug/l	15.0		97	80-115			
Benzene	5.08	0.50	"	5.16		98	65-115			
tert-Butyl alcohol	156	20	"	143		109	75-150			
Di-isopropyl ether	15.4	0.50	"	15.1		102	75-125			
1,2-Dibromoethane (EDB)	16.1	0.50	"	14.9		108	85-120			
1,2-Dichloroethane	12.3	0.50	"	14.7		84	85-130			HM
Ethanol	193	100	"	142		136	70-135			HL
Ethyl tert-butyl ether	14.0	0.50	"	15.0		93	75-130			
Ethylbenzene	6.97	0.50	"	7.54		92	75-135			
Methyl tert-butyl ether	5.91	0.50	"	7.02		84	65-125			
Toluene	36.6	0.50	"	37.2		98	85-120			
Xylenes (total)	40.3	0.50	"	41.2		98	85-125			
Gasoline Range Organics (C4-C12)	337	50	"	440		77	60-140			
Surrogate: 1,2-Dichloroethane-d4	*3.77*		"	*5.00*		*75*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOL0634
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	01/03/06 09:45

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 5L21035 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5L21035-MS1)	**Source: MOL0634-01**			Prepared: 12/21/05		Analyzed: 12/22/05				
tert-Amyl methyl ether	79.5	2.5	ug/l	75.2	1.7	103	80-115			
Benzene	28.3	2.5	"	25.8	ND	110	65-115			
tert-Butyl alcohol	1010	100	"	716	190	115	75-120			
Di-isopropyl ether	85.8	2.5	"	75.6	ND	113	75-125			
1,2-Dibromoethane (EDB)	87.6	2.5	"	74.4	ND	118	85-120			
1,2-Dichloroethane	76.5	2.5	"	73.6	ND	104	85-130			
Ethanol	878	500	"	708	65	115	70-135			
Ethyl tert-butyl ether	79.0	2.5	"	75.2	ND	105	75-130			
Ethylbenzene	35.4	2.5	"	37.7	ND	94	75-135			
Methyl tert-butyl ether	85.4	2.5	"	35.1	46	112	65-125			
Toluene	194	2.5	"	186	ND	104	85-120			
Xylenes (total)	195	2.5	"	206	ND	95	85-125			
Gasoline Range Organics (C4-C12)	2190	250	"	2200	250	88	60-140			
Surrogate: 1,2-Dichloroethane-d4	*4.58*		"	*5.00*		*92*	*60-135*			
Matrix Spike Dup (5L21035-MSD1)	**Source: MOL0634-01**			Prepared: 12/21/05		Analyzed: 12/22/05				
tert-Amyl methyl ether	79.4	2.5	ug/l	75.2	1.7	103	80-115	0.1	15	
Benzene	26.3	2.5	"	25.8	ND	102	65-115	7	20	
tert-Butyl alcohol	972	100	"	716	190	109	75-120	4	25	
Di-isopropyl ether	84.3	2.5	"	75.6	ND	112	75-125	2	15	
1,2-Dibromoethane (EDB)	87.2	2.5	"	74.4	ND	117	85-120	0.5	15	
1,2-Dichloroethane	70.7	2.5	"	73.6	ND	96	85-130	8	20	
Ethanol	827	500	"	708	65	108	70-135	6	35	
Ethyl tert-butyl ether	77.2	2.5	"	75.2	ND	103	75-130	2	25	
Ethylbenzene	32.6	2.5	"	37.7	ND	86	75-135	8	15	
Methyl tert-butyl ether	76.5	2.5	"	35.1	46	87	65-125	11	20	
Toluene	193	2.5	"	186	ND	104	85-120	0.5	20	
Xylenes (total)	191	2.5	"	206	ND	93	85-125	2	20	
Gasoline Range Organics (C4-C12)	2130	250	"	2200	250	85	60-140	3	25	
Surrogate: 1,2-Dtchloroethane-d4	*4.27*		"	*5.00*		*85*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	01/03/06 09:45

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 5L22005 - EPA 5030B P/T / EPA 8260B										
Blank (5L22005-BLK1)				Prepared & Analyzed: 12/22/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
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	*4.32*		"	*5.00*		*86*	*60-135*			
Laboratory Control Sample (5L22005-BS1)				Prepared & Analyzed: 12/22/05						
tert-Amyl methyl ether	14.9	0.50	ug/l	15.0		99	80-115			
Benzene	5.18	0.50	"	5.16		100	65-115			
tert-Butyl alcohol	151	5.0	"	143		106	75-150			
Di-isopropyl ether	16.2	0.50	"	15.1		107	75-125			
1,2-Dibromoethane (EDB)	16.6	0.50	"	14.9		111	85-120			
1,2-Dichloroethane	13.8	0.50	"	14.7		94	85-130			
Ethanol	184	100	"	142		130	70-135			
Ethyl tert-butyl ether	15.0	0.50	"	15.0		100	75-130			
Ethylbenzene	7.23	0.50	"	7.54		96	75-135			
Methyl tert-butyl ether	6.35	0.50	"	7.02		90	65-125			
Toluene	37.6	0.50	"	37.2		101	85-120			
Xylenes (total)	40.6	0.50	"	41.2		99	85-125			
Gasoline Range Organics (C4-C12)	391	50	"	440		89	60-140			
Surrogate: 1,2-Dichloroethane-d4	*4.24*		"	*5.00*		*85*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOL0634
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	01/03/06 09:45

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 5L22005 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5L22005-MS1)	**Source: MOL0536-05**			Prepared & Analyzed: 12/22/05						
tert-Amyl methyl ether	38.0	2.5	ug/l	37.6	2.0	96	80-115			
Benzene	100	2.5	"	12.9	72	217	65-115			BB,LM
tert-Butyl alcohol	555	25	"	358	130	119	75-120			
Di-isopropyl ether	41.0	2.5	"	37.8	ND	108	75-125			
1,2-Dibromoethane (EDB)	41.1	2.5	"	37.2	ND	110	85-120			
1,2-Dichloroethane	33.7	2.5	"	36.8	ND	92	85-130			
Ethanol	56.2	500	"	354	47	3	70-135			LN
Ethyl tert-butyl ether	39.2	2.5	"	37.6	0.90	102	75-130			
Ethylbenzene	465	2.5	"	18.8	380	452	75-135			BB,LM
Methyl tert-butyl ether	38.8	2.5	"	17.6	20	107	65-125			
Toluene	220	2.5	"	93.0	110	118	85-120			
Xylenes (total)	1460	2.5	"	103	1300	155	85-125			BB,LM
Gasoline Range Organics (C4-C12)	6800	250	"	1100	5200	145	60-140			BB,LM
Surrogate: 1,2-Dichloroethane-d4	*4.54*		"	*5.00*		*91*	*60-135*			
Matrix Spike Dup (5L22005-MSD1)	**Source: MOL0536-05**			Prepared & Analyzed: 12/22/05						
tert-Amyl methyl ether	38.2	2.5	ug/l	37.6	2.0	96	80-115	0.5	15	
Benzene	96.6	2.5	"	12.9	72	191	65-115	3	20	BB,LM
tert-Butyl alcohol	542	25	"	358	130	115	75-120	2	25	
Di-isopropyl ether	40.1	2.5	"	37.8	ND	106	75-125	2	15	
1,2-Dibromoethane (EDB)	40.2	2.5	"	37.2	ND	108	85-120	2	15	
1,2-Dichloroethane	33.2	2.5	"	36.8	ND	90	85-130	1	20	
Ethanol	252	500	"	354	47	58	70-135	127	35	LN, BA
Ethyl tert-butyl ether	37.4	2.5	"	37.6	0.90	97	75-130	5	25	
Ethylbenzene	445	2.5	"	18.8	380	346	75-135	4	15	BB,LM
Methyl tert-butyl ether	39.2	2.5	"	17.6	20	109	65-125	1	20	
Toluene	219	2.5	"	93.0	110	117	85-120	0.5	20	
Xylenes (total)	1340	2.5	"	103	1300	39	85-125	9	20	BB,LN
Gasoline Range Organics (C4-C12)	6080	250	"	1100	5200	80	60-140	11	25	
Surrogate: 1,2-Dichloroethane-d4	*4.19*		"	*5.00*		*84*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOL0634
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	01/03/06 09:45

Notes and Definitions

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

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: 65	
Off-site Time: 1030		Temp: 70	
Sky Conditions: clouds			
Meteorological Events:			
Wind Speed: —		Direction:	

Lab Name: Sequoia	BP/AR Facility No.: 608	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 17601 Hesperian Blvd., San Lorenzo, CA 945	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.673888 / -122.123	Oakland, CA 94612
Lab PM: Lisa Race / ~~Jamshid Kokobad~~ Sophia Min	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: Donna_Cosper@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. MOL0634	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: GRO / BTEX (8260)	MTBE, TAME, ETBE, DIPE, TBA (8260)	1,2-DCA & EDB (8260)	ETHANOL (8260)						Sample Point Lat/Long and Comments
1	MW-10	0935	12/13		X		01	3				X		X	X	X	X						
2	MW-25	1000	12/13		X		02	3				X		X	X	X	X						
3	E-1A (MW-12)	1015	12/13		X		03	3				X		X	X	X	X						
4	TB-608-12132005	1230	12/13		X		04	1				X											ON HOLD
5																							
6																							
7																							
8																							
9																							
10																							

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Brian Alcorn	[signature]	12/13/05	1230	[signature] Sample Custodian	12/13	1230
Sampler's Company: Blaine Tech Services	[signature] Sample Custodian	12/14/05	1015	[signature]	12/14/05	1015
Shipment Date:	[signature]	12/14/05	1605	E. [signature]	12/14	1605
Shipment Method:						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes / No (circled: No)   Temp Blank Yes / No (circled: No)   Cooler Temperature on Receipt 2.1 °F/C (C circled)   Trip Blank Yes / No (circled: No)

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS-608
REC. BY (PRINT): E. Fallin
WORKORDER: MOL0634

DATE REC'D AT LAB: 12/14/05
TIME REC'D AT LAB: 1605
DATE LOGGED IN: 12/17/05

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

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	A-C	MW-10	VOA (3)	HCl	—	L	12/13/05	
2. Chain-of-Custody (Present / Absent*)	02	↓	MW-25	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / Absent	03	↓	E-1A (MW-12)	↓	↓	↓	↓	↓	
4. Airbill: Airbill / Sticker Present / Absent	04	A	TB-608-121305	↓ (1)	↓	↓	↓	↓	
5. Airbill #:									
6. Sample Labels: (Present) / Absent									
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*									
13. (Trip) Blank / (Temp) Blank Received? (circle which, if yes) (Yes) / No*									
14. Read Temp: 2.1°C Corrected Temp: 2.1°C Is corrected temp 4 +/-2°C? (Yes) / No**									

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

BF 12/15/05

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

SRL Revision 7
Replaces Rev 5 (07/13/04)
Effective 07/19/05

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		12.84	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	0.55	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		11.86	22.14	<200	<2.0	<2.0	<2.0	<2.0	880	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	606	1.2
	03/15/00 a		–	–	–	–	–	–	–	1,230	–
	06/13/00 b		12.44	21.55	66.7	<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	61	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	1.8
	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	630	<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	NM
	11/24,25/97		12.57	21.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	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	<2.5	0.0
	09/21,22/98		12.48	21.92	<50	<0.50	<0.50	<0.50	<0.50	<10	0.7
	12/14,15/98		11.90	22.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	03/15,16/99		11.10	23.30	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
	06/14,15/99									<	0.0
					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	2.8	2.9	2.0	46	NM
	03/31-04/01/97		10.76	22.03	630	<1.0	1.7	2.0	3.8	380	NM
	06/25/97		11.85	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	28	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		10.26	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	626	0.0
	06/14,15/99		11.17	21.62	168	<0.50	<0.50	<0.50	<0.50	141	NM
	09/15,16/99		11.86	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	168	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	0.68	<0.50	1.0	170	0.6
	12/29/01		9.85	22.94	<50.0	<0.50	<0.50	<0.50	<0.50	580	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		9.96	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	2.5
	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		10.65	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		9.19	23.01	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.0
	06/14,15/99		10.32	21.78	<50	<0.50	<0.50	<0.50	<0.50	3.27	2.2
	09/16,16/99		10.63	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	2.8
	03/15/00		8.53	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		10.63	21.68	<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		9.06	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	06/14/01		10.39	21.73	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	09/28/01		10.82	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	12/28/01		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
	06/28/96		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	8.0	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	820	5.7	6.7	<5.0	<5.0	180	2.4
	11/24,25/97		–	–	–	–	–	–	–	160	–
	03/19/98		8.78	22.89	330	1.7	<0.50	<0.50	<0.50	130	1.0
	06/04/98		9.59	22.08	680	<0.30	4.8	2.3	8.8	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	162	0.4
	03/15,16/99		8.30	22.37	910	17.6	1.3	5.24	<1.0	268	0.0
	06/14,15/99		10.57	21.10	843	<0.50	0.761	1.13	1.35	232	NM
	09/15,16/99		11.03	20.64	665	<1.25	1.28	<1.25	<1.25	315	5.8
	12/08,09/99		10.88	20.79	668	5.7	1.29	<1.0	<1.0	239	5.6
	03/15/00		8.68	22.99	459	<1.0	<1.0	<1.0	<1.0	268	2.2
	03/15/00 a		–	–	–	–	–	–	–	342	–
	06/13/00 b		10.86	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	0.69	1.16	413	2.2
	12/14,15/00		10.35	21.32	466	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	181	3.2
	06/14/01		10.55	21.12	710	9.20	2.60	<0.50	1.50	290	3.0
	09/28/01		10.98	20.69	580	<0.50	1.60	1.50	1.60	250	2.8
	12/28/01		9.06	22.61	410	<0.50	6.70	2.50	2.90	860	3.2
	03/13/02		9.68	21.99	680	<5.0	<5.0	<5.0	<5.0	570	3.2
MW-11	03/13,14/96	32.54	8.80	23.94	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		10.55	21.99	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.52	21.02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		11.00	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		10.88	21.66	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		11.65	20.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		11.75	20.79	80	<0.50	<0.50	<0.50	0.65	<2.5	2.0
	11/24,25/97		11.50	21.04	<50	<0.50	<0.50	<0.50	<0.50	3.8	2.4
	03/19/98		9.43	23.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/03/98		10.27	22.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8
	09/21,22/98		11.43	21.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
	12/14/98		10.85	21.69	<50	<0.50	<0.50	<0.50	<0.50	<2.0	1.4
	03/15,16/99		10.05	22.49	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.2

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-11		06/14,15/99			11.26	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
(cont.)		09/15/99			11.88	20.85	<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	††	03/13,14/98		33.05	10.35	22.71	2,700	36	<5.0	130	6.2	NA	NM
(MW-12)		05/28,29/98			11.50	21.55	1,400	410	18	55	5.5	NA	NM
		08/28/98			11.70	21.35	NS	NS	NS	NS	NS	NS	NM
		11/25,26/98			11.18	21.88	4,300	13	<5.0	100	20	220	NM
		03/31/97	†		12.65	20.41	1,900	7.8	<2.0	62	3.5	140	NM
		06/25/97			11.52	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	66	1.0
		03/19,20/98			9.85	23.41	11,000	1,300	<0.50	660	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	3.5	52	1.8
		12/14,15/98			11.10	21.96	3,100	21	9.7	28	<5.0	140	1.0
		03/15,16/99			10.25	22.81	3,900	24.5	<20	41.2	<20	295	1.0
		06/14,15/99			11.47	21.59	5,090	<5.0	<5.0	8.01	<5.0	234	1.4
		09/15,16/99			11.90	21.16	2,200	7.93	<5.0	10.60	<5.0	142	3.2
		12/08,09/99			11.75	21.31	1,490	6.57	1.36	9.21	<1.25	384	NM
		03/15/00			9.52	23.54	4,430	26.1	<10.0	15.3	<10.0	785	1.6
		03/15/00	a		–	–	–	–	–	–	–	908	–
		06/13/00	b		22.31	10.75	282	9.52	0.584	0.635	<0.5	534	3.4
		9/19,20/00			23.18	9.91	143	1.01	<0.50	<0.50	<0.50	76	2.6
		12/14,15/00			NA	NA	181	<0.50	<0.50	0.789	<0.50	100	1.4
		3/8,9/01			23.80	9.29	370	1.78	<0.50	0.786	<0.50	76	1.6
		06/14/01			21.10	11.98	180	<0.50	<0.50	0.64	<0.50	100	2.8
		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	160	2.0
		03/13/02			21.75	11.31	200	<0.50	<0.50	<0.50	<0.50	310	3.4
MW-13		03/13,15/98		35.42	10.90	24.52	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28,29/98			12.90	22.52	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/98			13.89	21.53	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/98			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	<0.50	<10	1.3
		09/21,22/98			13.77	21.65	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
		12/14,15/98			13.26	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		03/13,15/98		30.48	8.63	23.83	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/98			8.53	21.83	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/98			9.83	20.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/98			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
		03/16,16/99			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	08/14,15/99		9.54	20.62	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		9.88	20.78	Well Sampled Annually						
	12/14,15/00		9.14	21.52	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		9.98	20.50	Well Sampled Annually						
	12/29/01		7.62	22.84	Well Sampled Annually						
	03/13/02		8.58	21.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
MW-15	03/13,15/96	31.41	8.13	23.28	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96		10.30	21.11	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.30	20.11	<50	<0.50	<0.50	<0.50	<0.50	5.3	NM
	11/25/96		10.83	20.58	<50	<0.50	<0.50	<0.50	<0.50	12	NM
	03/31-04/01/97		10.45	20.96	<50	<0.50	<0.50	<0.50	<0.50	7.2	NM
	06/25/97		11.39	20.02	<50	<0.50	<0.50	<0.50	<0.50	7.0	NM
	09/09,10/97		11.50	19.91	Well Inaccessible						
	11/24,25/97				Well Inaccessible						
	03/19/98		9.15	22.26	<50	<0.50	<0.50	<0.50	<0.50	5.3	2.2
	06/04/98		NM		Well Inaccessible						
	09/21,22/98		NM		Well Inaccessible						
	12/14/98		10.63	20.78	<50	<0.50	<0.50	<0.50	<0.50	46.2	1.8
	03/15,16/99		NM		Well Inaccessible						
	06/14,15/99		NM		Well Inaccessible						
	09/15, 16/99		NM		Well Inaccessible						
	12/08,09/99		11.28	20.13	<50	<0.5	<0.5	<0.5	<0.5	167.0	NM
	03/15/00		9.03	22.38	<50	<0.5	<0.5	<0.5	<0.5	82.1	1.5
	03/15/00 a		--	--	--	--	--	--	--	105	--
	06/13/00 b		10.96	20.45	<50	<0.5	0.703	<0.5	0.870	69.8	2.0
	9/19,20/00		11.10	20.31	<50	<0.5	<0.5	<0.5	<0.5	158.0	2.2
	12/14,15/00		NM	NA	Well Inaccessible						
	3/8,9/01		9.48	21.93	<50	<0.5	<0.5	<0.5	<0.5	63.8	2.6
	06/14/01		10.95	20.46	<50	<0.5	<0.5	<0.5	<0.5	26.0	3.0
	09/26/01		11.38	20.03	<50	<0.5	<0.5	<0.5	<0.5	17.0	1.2
	12/29/01		9.41	22.00	<50	<0.5	<0.5	<0.5	<0.5	30.0	2.2
	03/13/02		10.03	21.38	<50	<0.5	<0.5	<0.5	<0.5	21.0	1.2
MW-16	03/13/96	31.39	8.62	22.77	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		10.90	20.49	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.84	19.55	<50	<0.50	<0.50	<0.50	<0.50	69	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	50	NM
	09/09,10/97		12.03	19.36	<50	<0.50	<0.50	<0.50	<0.50	53	3.0
	09/09,10/97 a		--	--	--	--	--	--	--	56	--
	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	3.6
	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	0.617	<0.50	0.503	6.29	1.8
	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	3.9	1.9
	12/29/01		9.71	21.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/13/02		10.51	20.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
MW-17					Well Destroyed						
MW-18	03/13/96	29.70	7.53	22.17	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		9.88	19.82	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.82	18.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.18	19.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM

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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	19.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
	03/19/98		8.95	20.76	<50	<0.50	<0.50	<0.50	<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	1.6
	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		10.80	19.10	Well Sampled Annually						
	9/19,20/00		10.83	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		10.36	18.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.6
	03/19/98		8.67	20.36	<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	0.688	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		9.65	19.07	<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		10.60	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		10.65	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		8.85	19.77	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.3
	06/13/00 b		10.97	17.75	Well Sampled Annually						
	9/19,20/00		10.68	18.05	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		7.88	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		11.06	18.21	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
	03/19/98		9.40	19.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	06/03/98		10.00	19.29	<50	<0.50	<0.50	<0.50	<0.50	0.87	3.2
	09/21,22/98		11.27	18.02	<50	<0.50	<0.50	<0.50	<0.50	2.1	2.8
	12/14/98		10.65	18.64	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.4
	03/15,16/99		9.67	19.62	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	06/14,15/99		11.06	18.23	<50	<0.50	<0.50	<0.50	<0.50	5.05	1.0
	09/15/99 a		11.46	17.83	<50	<0.50	<0.50	<0.50	<0.50	49.2	1.2
	12/08,09/99		11.28	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
17501 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number	Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-22	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	19.85	<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			9.56	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			12.69	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			12.06	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	2.8
	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		34.36	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			13.26	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			13.26	21.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/19,20/98			11.32	23.08	<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			12.63	21.85	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
	03/15,16/99			11.68	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	9.81	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	48	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	95	1.6
	06/04/98			11.00	23.12	<50	<0.30	<0.30	<0.30	<0.60	44	0.6
	09/21,22/98			12.13	21.99	<50	<0.50	<0.50	<0.50	<0.50	150	0.4
	12/14,15/98			11.80	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	68.4	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			12.03	22.04	<50	1	<0.50	<0.50	<0.50	192	1.2
	12/14,15/00			11.74	22.33	<50	<0.50	<0.50	<0.50	<0.50	134	4.0
	3/8,9/01			10.63	23.59	<50	<0.50	<0.50	<0.50	<0.50	140	2.8
	06/14/01			11.95	22.17	<50	<0.50	<0.50	<0.50	<0.50	150	2.8
	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			12.56	21.15	<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 0808
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number	Date Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MBE (ppb)	Dissolved Oxygen (ppm)
MW-26	09/06,10/97		12.77	20.84	<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	1.9
	03/15,16/99		10.66	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		12.67	21.14	Well Sampled Annually						
	03/15/00		10.60	23.21	<50	<0.50	<0.50	<0.50	<0.50	6.65	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

MBE = 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. = MBE 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 0808
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
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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)
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	NA	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	NM
	11/24/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	03/19/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	09/21/98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.2
	12/14/98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	03/15/99	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.4
	06/14/99	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.6
	09/15/99	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	12/08/99 a	NS	NS	NS	NS	NS	<5.0	1.0
	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	1.6	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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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	0.96	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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Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)		Dissolved Oxygen (ppm)
17349 VM	05/03/98	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	0.661	<0.50	<0.50	<0.50	287	c	2.4
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	82.1	c	2.8
	06/13/00	319	5.26	<0.5	<0.50	<0.50	97.1		NM
	06/13/00	--	--	--	--	--	85.1	c	NM
	09/19/00	166	<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
	03/06/01	<50	<0.50	<0.50	<0.50	<0.50	91.8		1.8
	03/06/01	--	--	--	--	--	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
	03/06/01 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

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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	<2.5		1.8
17393 VM	03/14/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
VM	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	03/31/97 a	NS	NS	NS	NS	NS	NS		NM
	06/25/97	Well Destroyed							

TPPH = Total purgeable petroleum hydrocarbons
MtBE = Methyl tert-butyl ether
NA = Not analyzed
NS = Not sampled
ppb = Parts per billion
H = Hacienda Avenue
VM = Via Magdalena
VE = Via Encinas
< = Less than laboratory detection limit stated to the right.
* = MtBE data maybe anamolous; unable to confirm with EPA Method 8260.
** = Concentration data are suspect due to inadequate purging. Well resampled on August 18, 1997 for confirmation purposes.

a. Owner not available to approve sampling access; well not sampled.
b. Well resampled to confirm data of March 14, 1996.
c. MtBE result confirmed by EPA Method 8260.
d. Pumping equipment obstructing sampling access; well not sampled.
e. Access denied by owner; well not sampled.
f. Pump on well does not work.
g. Well blocked and pump non-operational; well cannot be sampled.

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

ATTACHMENT D

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

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

SUCCESSFUL GEO_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	2/6/2006 2:47:35 PM

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

Back to Main Menu

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

Electronic Submittal Information

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**4Q 2005 BP/ARCO 608 GEOWELL**
Submittal Date/Time:	**2/6/2006 2:48:25 PM**
Confirmation Number:	3344390690

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

ATTACHMENT E

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

SEVERN TRENT STL

Submission#: 2005-08-0806

URS-Oakland, CA

September 14, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

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

Attached is our report for your samples received on 08/26/2005 10:50
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

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

Please note that any unused portion of the samples will be discarded after 10/10/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour

Afsaneh Salimpour
Project Manager

URS-Oakland, CA

September 14, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

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

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Friday, August 26, 2005 10:50 AM.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200509081B64038

MW-4A >> MS 200509081B64038
Compound Flag(s)
LM,AY LM=MS and/or MSD above acceptance limits. See Blank Spike(LCS).

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200509111A65

EFFL 2005080806 004
Analysis Flag(s)
ET Sample was extracted past end of recommended max. holding time

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200509132B64

EFFL 2005080806 004
Analysis Flag(s)
ET Sample was extracted past end of recommended max. holding time

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: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	08/25/2005 09:05	Water	1
MID-1	08/25/2005 09:00	Water	2
MID-2	08/25/2005 08:55	Water	3
EFFL	08/25/2005 08:50	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: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Prep(s): 5030B
Sample ID: **INF**
Sampled: 08/25/2005 09:05
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-08-0806 - 1
Extracted: 9/7/2005 23:26
QC Batch#: 2005/09/07-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	09/07/2005 23:26	
Benzene	ND	0.5	ug/L	1.00	09/07/2005 23:26	
Toluene	ND	0.50	ug/L	1.00	09/07/2005 23:26	
Ethylbenzene	ND	0.50	ug/L	1.00	09/07/2005 23:26	
Total xylenes	ND	1.0	ug/L	1.00	09/07/2005 23:26	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/07/2005 23:26	
Methyl tert-butyl ether (MTBE)	9.8	0.50	ug/L	1.00	09/07/2005 23:26	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/07/2005 23:26	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/07/2005 23:26	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/07/2005 23:26	
Surrogate(s)						
1,2-Dichloroethane-d4	106.3	73-130	%	1.00	09/07/2005 23:26	
Toluene-d8	103.9	81-114	%	1.00	09/07/2005 23:26	

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: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 08/25/2005 09:00
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-08-0806 - 2
Extracted: 9/7/2005 23:47
QC Batch#: 2005/09/07-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	09/07/2005 23:47	
Benzene	ND	0.5	ug/L	1.00	09/07/2005 23:47	
Toluene	ND	0.50	ug/L	1.00	09/07/2005 23:47	
Ethylbenzene	ND	0.50	ug/L	1.00	09/07/2005 23:47	
Total xylenes	ND	1.0	ug/L	1.00	09/07/2005 23:47	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/07/2005 23:47	
Methyl tert-butyl ether (MTBE)	2.2	0.50	ug/L	1.00	09/07/2005 23:47	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/07/2005 23:47	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/07/2005 23:47	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/07/2005 23:47	
Surrogate(s)						
1,2-Dichloroethane-d4	105.5	73-130	%	1.00	09/07/2005 23:47	
Toluene-d8	104.1	81-114	%	1.00	09/07/2005 23:47	

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: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

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

Sample ID: **MID-2**
Lab ID: 2005-08-0806 - 3

Sampled: 08/25/2005 08:55
Extracted: 9/8/2005 02:44
9/8/2005 11:33

Matrix: Water
QC Batch#: 2005/09/07-2D.71
2005/09/08-1B.64

pH: <2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	09/08/2005 11:33	
Benzene	ND	0.5	ug/L	1.00	09/08/2005 02:44	
Toluene	ND	0.50	ug/L	1.00	09/08/2005 02:44	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2005 02:44	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2005 02:44	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2005 02:44	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/08/2005 02:44	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/08/2005 02:44	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/08/2005 02:44	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/08/2005 02:44	
Surrogate(s)						
1,2-Dichloroethane-d4	87.1	73-130	%	1.00	09/08/2005 02:44	
1,2-Dichloroethane-d4	99.0	73-130	%	1.00	09/08/2005 11:33	
Toluene-d8	101.5	81-114	%	1.00	09/08/2005 11:33	
Toluene-d8	87.9	81-114	%	1.00	09/08/2005 02:44	

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
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**EFFL**	Lab ID:	2005-08-0806 - 4
Sampled:	08/25/2005 08:50	Extracted:	9/11/2005 21:18 9/14/2005 01:08
Matrix:	Water	QC Batch#:	2005/09/11-1A.65 2005/09/13-2B.64

Analysis Flag: ET, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	09/11/2005 21:18	
Benzene	ND	0.5	ug/L	1.00	09/14/2005 01:08	
Toluene	ND	0.50	ug/L	1.00	09/11/2005 21:18	
Ethylbenzene	ND	0.50	ug/L	1.00	09/11/2005 21:18	
Total xylenes	ND	1.0	ug/L	1.00	09/11/2005 21:18	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/11/2005 21:18	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/11/2005 21:18	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/11/2005 21:18	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/14/2005 01:08	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/11/2005 21:18	
Surrogate(s)						
1,2-Dichloroethane-d4	100.7	73-130	%	1.00	09/14/2005 01:08	
1,2-Dichloroethane-d4	128.5	73-130	%	1.00	09/11/2005 21:18	
Toluene-d8	90.4	81-114	%	1.00	09/11/2005 21:18	
Toluene-d8	104.5	81-114	%	1.00	09/14/2005 01:08	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/09/07-2C.64-054

Water

Test(s): 8260B
QC Batch # 2005/09/07-2C.64
Date Extracted: 09/07/2005 18:54

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	09/07/2005 18:54	
Benzene	ND	0.5	ug/L	09/07/2005 18:54	
Toluene	ND	0.5	ug/L	09/07/2005 18:54	
Ethylbenzene	ND	0.5	ug/L	09/07/2005 18:54	
Total xylenes	ND	1.0	ug/L	09/07/2005 18:54	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/07/2005 18:54	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/07/2005 18:54	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/07/2005 18:54	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/07/2005 18:54	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/07/2005 18:54	
Surrogates(s)					
1,2-Dichloroethane-d4	100.8	73-130	%	09/07/2005 18:54	
Toluene-d8	104.4	81-114	%	09/07/2005 18:54	

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: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

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

Method Blank **Water** **QC Batch # 2005/09/07-2D.71**

MB: 2005/09/07-2D.71-036
Date Extracted: 09/07/2005 19:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.5	ug/L	09/07/2005 19:36	
Toluene	ND	0.5	ug/L	09/07/2005 19:36	
Ethylbenzene	ND	0.5	ug/L	09/07/2005 19:36	
Total xylenes	ND	1.0	ug/L	09/07/2005 19:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/07/2005 19:36	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/07/2005 19:36	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/07/2005 19:36	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/07/2005 19:36	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/07/2005 19:36	
Surrogates(s)					
1,2-Dichloroethane-d4	85.8	73-130	%	09/07/2005 19:36	
Toluene-d8	90.0	81-114	%	09/07/2005 19:36	

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: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/09/08-1B.64**

MB: 2005/09/08-1B.64-032 — Date Extracted: 09/08/2005 08:32

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	09/08/2005 08:32	
Benzene	ND	0.5	ug/L	09/08/2005 08:32	
Toluene	ND	0.5	ug/L	09/08/2005 08:32	
Ethylbenzene	ND	0.5	ug/L	09/08/2005 08:32	
Total xylenes	ND	1.0	ug/L	09/08/2005 08:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/08/2005 08:32	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/08/2005 08:32	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/08/2005 08:32	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/08/2005 08:32	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/08/2005 08:32	
Surrogates(s)					
1,2-Dichloroethane-d4	96.7	73-130	%	09/08/2005 08:32	
Toluene-d8	103.7	81-114	%	09/08/2005 08:32	

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

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/09/11-1A.65**

MB: 2005/09/11-1A.65-031 — Date Extracted: 09/11/2005 14:31

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	09/11/2005 14:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/11/2005 14:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/11/2005 14:31	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/11/2005 14:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/11/2005 14:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/11/2005 14:31	
Benzene	ND	0.5	ug/L	09/11/2005 14:31	
Toluene	ND	0.5	ug/L	09/11/2005 14:31	
Ethylbenzene	ND	0.5	ug/L	09/11/2005 14:31	
Total xylenes	ND	1.0	ug/L	09/11/2005 14:31	
Surrogates(s)					
1,2-Dichloroethane-d4	110.2	73-130	%	09/11/2005 14:31	
Toluene-d8	91.2	81-114	%	09/11/2005 14:31	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/09/13-2B.64**

MB: 2005/09/13-2B.64-052 — Date Extracted: 09/13/2005 18:52

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	09/13/2005 18:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/13/2005 18:52	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/13/2005 18:52	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/13/2005 18:52	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/13/2005 18:52	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/13/2005 18:52	
Benzene	ND	0.5	ug/L	09/13/2005 18:52	
Toluene	ND	0.5	ug/L	09/13/2005 18:52	
Ethylbenzene	ND	0.5	ug/L	09/13/2005 18:52	
Total xylenes	ND	1.0	ug/L	09/13/2005 18:52	
Surrogates(s)					
1,2-Dichloroethane-d4	92.8	73-130	%	09/13/2005 18:52	
Toluene-d8	104.0	81-114	%	09/13/2005 18:52	

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: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/09/07-2C.64**

LCS 2005/09/07-2C.64-033 Extracted: 09/07/2005 Analyzed: 09/07/2005 18:33
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)	26.1		25	104.4			65-165	20		
Benzene	25.6		25	102.4			69-129	20		
Toluene	26.1		25	104.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	452		500	90.4			73-130			
Toluene-d8	514		500	102.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/09/07-2D.71**

LCS 2005/09/07-2D.71-009 Extracted: 09/07/2005 Analyzed: 09/07/2005 19:09
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.4		25	101.6			65-165	20		
Benzene	25.3		25	101.2			69-129	20		
Toluene	25.4		25	101.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	399		500	79.8			73-130			
Toluene-d8	460		500	92.0			81-114			

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: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/09/08-1B.64**

LCS 2005/09/08-1B.64-011 Extracted: 09/08/2005 Analyzed: 09/08/2005 08:11

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)	24.0		25	96.0			65-165	20		
Benzene	26.3		25	105.2			69-129	20		
Toluene	27.0		25	108.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	448		500	89.6			73-130			
Toluene-d8	536		500	107.2			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/09/11-1A.65**

LCS 2005/09/11-1A.65-004 Extracted: 09/11/2005 Analyzed: 09/11/2005 14:04

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)	27.4		25	109.6			65-165	20		
Benzene	28.2		25	112.8			69-129	20		
Toluene	27.0		25	108.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	486		500	97.2			73-130			
Toluene-d8	463		500	92.6			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
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/09/13-2B.64**

LCS 2005/09/13-2B.64-031 Extracted: 09/13/2005 Analyzed: 09/13/2005 18:31
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	26.8		25	107.2			69-129	20		
Toluene	26.9		25	107.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	415		500	83.0			73-130			
Toluene-d8	510		500	102.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/09/07-2C.64**

MS/MSD

Lab ID: 2005-08-0815 - 001

MS: 2005/09/07-2C.64-057 Extracted: 09/07/2005 Analyzed: 09/07/2005 19:57

Dilution: 1.00

MSD: 2005/09/07-2C.64-018 Extracted: 09/07/2005 Analyzed: 09/07/2005 20:18

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	24.0	26.4	ND	25	96.0	105.6	9.5	65-165	20		
Benzene	23.1	24.9	ND	25	92.4	99.6	7.5	69-129	20		
Toluene	23.5	25.9	ND	25	94.0	103.6	9.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	513	512		500	102.6	102.4		73-130			
Toluene-d8	505	520		500	101.0	104.0		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/09/07-2D.71**

MS/MSD

Lab ID: 2005-08-0817 - 003

MS: 2005/09/07-2D.71-043 Extracted: 09/07/2005 Analyzed: 09/07/2005 22:43
Dilution: 100.00

MSD: 2005/09/07-2D.71-010 Extracted: 09/07/2005 Analyzed: 09/07/2005 23:10
Dilution: 100.00

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	2220	2190	ND	2500	88.8	87.6	1.4	65-165	20		
Benzene	11700	11600	8800	2500	116.0	112.0	3.5	69-129	20		
Toluene	2720	2580	414	2500	92.2	86.6	6.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	395	405		500	79.0	81.0		73-130			
Toluene-d8	445	450		500	89.0	90.0		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/09/08-1B.64**

MS/MSD

Lab ID: 2005-08-0800 - 006

MS: 2005/09/08-1B.64-038 Extracted: 09/08/2005 Analyzed: 09/08/2005 13:38
Dilution: 1.00

MSD: 2005/09/08-1B.64-059 Extracted: 09/08/2005 Analyzed: 09/08/2005 13:59
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	267	264	223	25	176.0	164.0	7.1	65-165	20	LM,AY	
Benzene	23.1	24.7	ND	25	92.4	98.8	6.7	69-129	20		
Toluene	23.3	26.1	ND	25	93.2	104.4	11.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	495	476		500	99.0	95.2		73-130			
Toluene-d8	525	504		500	105.0	100.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/09/11-1A.65**

MS/MSD

Lab ID: 2005-09-0079 - 002

MS: 2005/09/11-1A.65-053 Extracted: 09/11/2005 Analyzed: 09/11/2005 16:53

Dilution: 20.00

MSD: 2005/09/11-1A.65-020 Extracted: 09/11/2005 Analyzed: 09/11/2005 17:20

Dilution: 20.00

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	620	662	69.3	500	110.1	118.5	7.3	65-165	20		
Benzene	582	570	0.55	500	116.3	113.9	2.1	69-129	20		
Toluene	562	545	0.842	500	112.2	108.8	3.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	474	493		500	94.8	98.6		73-130			
Toluene-d8	457	456		500	91.4	91.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/09/13-2B.64**

MS/MSD

Lab ID: 2005-09-0088 - 006

MS: 2005/09/13-2B.64-054 Extracted: 09/13/2005 Analyzed: 09/13/2005 19:54

Dilution: 1.00

MSD: 2005/09/13-2B.64-015 Extracted: 09/13/2005 Analyzed: 09/13/2005 20:15

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	91.3	92.7	69.6	25	86.8	92.4	6.3	65-165	20		
Benzene	20.7	19.7	0.54	25	80.6	76.6	5.1	69-129	20		
Toluene	21.6	21.3	ND	25	86.4	85.2	1.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	480	488		500	96.0	97.6		73-130			
Toluene-d8	515	498		500	103.0	99.6		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
Station 608

Received: 08/26/2005 10:50

Site: 17601 Hesperaian Blvd., San Lorenzo

Legend and Notes

Analysis Flag

ET

Sample was extracted past end of recommended max. holding time

Result Flag

LM,AY

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

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

September 6, 2005

STL LOT NUMBER: **E5I010300**
PO/CONTRACT: GEM 6-21909

AFSANEH SALIMPOUR
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear AFSANEH SALIMPOUR,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on September 1, 2005. This sample is associated with your STATION 608 project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA/E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the coolers received for this project can be found on the Project Receipt Checklist.

This report contains **000016** pages.

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria.

If you have any questions, please feel free to call me at 714.258.8610.

Sincerely,

Sabina Sudoko
Project Manager
CC: Project File

SEVERN TRENT STL

Chain of Custody

Date Shipped: 8/29/2005

2005-08-0806 - 1

From:

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

ESI010806

To:

STL Los Angeles - Sub contract
1721 South Grand Avenue
Santa Ana, CA 92705

Project Manager:	Afsaneh Salimpour		Phone:	(714) 258-8610	Ext:
Phone:	(925) 484-1919	Ext: 107	Fax:	(714) 258-0921	
Fax:	(925) 484-1096		Contact:	Sample Control	
Email:	asalimpour@stl-inc.com		Phone:	(714) 258-8610	Ext:

CL Submission #: 2005-08-0806
CL PO #:

Project #: 38487015
Project Name: Station 608
EDF Global ID: T0600100085

Client Sample ID / Analysis	CL #	Sampled	Matrix / Method	TAT
EFFL	4	8/25/2005 8:50:00AM	Water	
EDF Field ID: EFFL				
Subcontract - Others (TSS)				5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY 3.
Signature: [signature] Time: 1500	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 8/29/05	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 11:10	Signature: Time:	Signature: Time:
Printed Name: SAL MAGALLANES Date: 8/30/05	Printed Name: Date:	Printed Name: Date:
Company: STL	Company:	Company:

000003

3.5 +/- .4 = 3.1

#1 66572

96948

Page 1 of 1

Chain of Custody Record

On-site Time: 0850	Temp: 68
Off-site Time:	Temp:
Sky Conditions: Overcast	
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): 9/8/05
(14- day TAT)

2005-08-0806

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:	37.673888 / -122.123		Oakland CA 94612
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T0000100085	Consultant/Contractor Project No.:	38487015
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.:	G0C24-0005	Consultant/Contractor PM:	Scott Robinson
BP/AR PM Contact:	Paul Supple	Provision or RCOP:	Provision	Tele/Fax:	510.893.3600/510.874.3268
Address:	P.O. Box 6549	Phase/WBS:	03 - O&M	Report Type & QC Level:	Level 1 and EDF
	Moraga CA 94570	Sub Phase/Task:	03 - Analytical	E-mail EDD To:	Donna_Cosper@urscorp.com
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:	05 - Subcontractor Costs	Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analysis: BTEX/Oxy/TPH (8260)	COD (410.4)	TSS (160.2)								Sample Point Lat/Long and Comments (TEMP 2°C)
1	INF	0905	8/25		X			3				X			X										
2	MID-1	0900	8/25		X			3				X			X										
3	MID-2	0855	8/25		X			3				X			X										
4	EFFL	0850	8/25		X			3				X			X										
5	EFFL	0850	8/25		X			1	X								X								
6	EFFL	0850	8/25		X			1		X						X									
7	TRIP BLANK	0850	8/25		X			3				X													HOLD
8																									
9																									
10																									

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	George Bradshaw	[signature]	8/25/05	[illegible]	[signature]	8/25/05	[illegible]
Sampler's Company:	URS Corp.	Cheng Ue	8/26/05	1050	By Tea STL-SF	8/26/05	1050
Shipment Date:	8/25/05	By Tea STL-SF	8/26/05	1535	[signature]	8/26/05	15:35
Shipment Method:	SC - STL						
Shipment Tracking No:							

Special Instructions:

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

000004

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 8/30/05

LIMS Lot #: ESI010306 Quote #: 66572

Client Name: San Francisco Project: 38487015

Received by: Sal Date/Time Received: 8/30/05 11:10 SM

Delivered by : ☐ Client ☐ STL ☐ DHL ☒ Fed Ex ☐ UPS ☐ Other _____

	Initial / Date
Custody Seal Status Cooler: ☒ Intact ☐ Broken ☐ None	SM 8/30/05
Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None	
Custody Seal #(s): _____ ☒ No Seal #	
Sampler Signature on COC ☐ Yes ☒ No ☐ N/A	
IR Gun # A Correction Factor .4 °C IR passed daily verification ☒ Yes ☐ No	
Temperature - BLANK 3.5 °C +/- .4 CF = 3.1 °C	
Temperature – COOLER (___°C ___°C ___°C ___°C) = ___ avg °C +/- ___ CF = ___ °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A	
Sample Container(s): ☒ STL-LA ☐ Client	
One COC/Multiple coolers: ☐ Yes- # coolers ___ All within temp criteria ☐ Yes ☐ No ☒ N/A	
One or more coolers with an anomaly: ☐ Yes – (fill out PRC for each) ☒ N/A	
Samples: ☒ Intact ☐ Broken ☐ Other _____	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A	
Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM NCM # _____	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ N/A	
Labeled by: Sal M Labeling checked	
Turn Around Time: ☐ RUSH-24HR ☐ RUSH-48HR ☐ RUSH-72HR ☒ NORMAL	
Short-Hold Notification: ☐ pH ☐ Wet Chem ☐ Metals (Filter/Pres) ☐ Encore ☐ >1/2 HT expired...	
Outside Analysis(es) (Test/Lab/Date Sent Out) :	
_____	
_____	
_____	
********** LEAVE NO BLANK SPACES ; USE N/A **********	SM 8/30/05

Headspace Anomaly ☒ N/A 8/30/05 SM

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # EJ10103OO

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1													
VOAH/ *														
PB 802	1													

* VOA with headspace/bubbles < 6mm

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/fl:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

☒ N/A SM 8/30/05

*** COOLERS**
- ☐ Not Received (received COC only)
- ☐ Leaking
- ☐ Other:

*** TEMPERATURE (SPECS 4 ± 2°C)**
- ☐ Cooler Temp(s)
- ☐ Temperature Blank(s)

*** CONTAINERS**
- ☐ Leaking
- ☐ Broken
- ☐ Extra
- ☐ Without Labels
- ☐ Other:
- ☐ Voa Vials with Bubbles > 6mm

*** CUSTODY SEALS (COOLER(S)**
- ☐ None
- ☐ Not Intact
- ☐ Other

CONTAINER(S)
- ☐ None
- ☐ Not Intact
- ☐ Other

*** CHAIN OF CUSTODY (COC)**
- ☐ Not relinquished by Client; No date/time relinquished
- ☐ Incomplete information provided
- ☐ Other
- ☐ COC not received – notify PM

*** LABELS**
- ☐ Not the same ID/info as in COC
- ☐ Incomplete Information
- ☐ Markings/Info illegible
- ☐ Torn

*** SAMPLES**
- ☐ Samples NOT RECEIVED but listed on COC
- ☐ Samples received but NOT LISTED on COC
- ☐ Logged based on Label Information
- ☐ Logged based on info from other samples on COC
- ☐ Logged according to Work Plan
- ☐ Logged on HOLD UNTIL FURTHER NOTICE
- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis
- ☐ Other

Comments:

_____

_____

_____

_____

_____

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: MO 9-1-05 **PM Review/Date:** 9/1 SL

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 38487015

STATION 608

Lot #: R5I010300

AFSANEH SALIMPOUR

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Sabina Sudoko
Project Manager

September 8, 2005

METHODS SUMMARY

R5I010300

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

B5I010300

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HJRNW	001	EFFL	08/25/05	08:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: EFFL

General Chemistry

Lot-Sample #...: E5I010300-001 Work Order #...: HJRNW Matrix.....: W
Date Sampled...: 08/25/05 08:50 Date Received..: 09/01/05 11:10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	ND	10000	ug/L	MCAWW 160.2	09/01/05	5244473

Dilution Factor: 1 Analysis Time..: 16:30 Analyst ID.....: 999995
Instrument ID..: WL5 MS Run #.....:

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5I010300

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	W	MCAWW 160.2		5244473	

METHOD BLANK REPORT

General Chemistry

Client Lot #...: E5I010300 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: HJ1N11AA		MB Lot-Sample #:	E5I010000-473	
	ND	10000	ug/L	MCAWW 160.2	09/01/05	5244473
		Dilution Factor: 1				
		Analysis Time..: 16:30		Analyst ID.....: 999995	Instrument ID..: N15	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: E5I010300 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	WO#:HJ1N31AC-LCS/HJ1N31AD-LCSD					LCS Lot-Sample#: E5I010000-473	
	101	(85 - 115)			MCAWW 160.2	09/01/05	5244473
	103	(85 - 115)	1.6	(0-20)	MCAWW 160.2	09/01/05	5244473

Dilution Factor: 1 Analysis Time..: 16:30 Analyst ID.....: 999595
Instrument ID..: WIS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: E5I010300 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	WO#:HJ1N31AC-LCS/HJ1N31AD-LCSD LCS Lot-Sample#: E5I010000-473							
	500000	505000	ug/L	101		MCAWW 160.2	09/01/05	5244473
	500000	513000	ug/L	103	1.6	MCAWW 160.2	09/01/05	5244473
		Dilution Factor: 1				Analysis Time..: 16:30	Analyst ID.....: 999995	
		Instrument ID..: W15						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

96948 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): 9/8/05
(14- day TAT)

2005-08-0806

On-site Time: 0850	Temp: 68		
Off-site Time:	Temp:		
Sky Conditions: Overcast			
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:	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 I 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	H_2SO_4	HNO_3	HCl	Methanol	Requested Analysis: BTEX/Oxy/TPH (8260)	COD (410.4)	TSS (160.2)								Sample Point Lat/Long and Comments
																								TEMP 2°C
1	INF	0905	8/25		X			3				X		X										
2	MID-1	0900	8/25		X			3				X		X										
3	MID-2	0855	8/25		X			3				X		X										
4	EFFL	0850	8/25		X			3				X		X										
5	EFFL	0850	8/25		X			1	X							X								
6	EFFL	0850	8/25		X			1		X					X									
7	TRIP BLANK	0850	8/25		X			3				X												HOLD
8																								
9																								
10																								

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	George Bradshaw	[signature]	8/25/05	[illegible]	[signature]	8/25/05	[illegible]
Sampler's Company:	URS Corp.						
Shipment Date:	8/25/05						
Shipment Method:	Sac - STL	[signature]	8/26/05	1050	[signature] STL-SF	8/26/05	1050
Shipment Tracking No:		[signature] STL-SF	8/26/05	1535	[signature]	8/26/05	15:35

Special Instructions:

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOJ1237
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/28/05 09:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOJ1237-01	Water	10/18/05 12:00	10/24/05 13:55

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

These samples were received with no custody seals.

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOJ1237
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/28/05 09:59

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOJ1237-01) Water Sampled: 10/18/05 12:00 Received: 10/24/05 13:55									
Chemical Oxygen Demand	ND	30000	ug/l	1	5J27041	10/27/05	10/27/05	EPA 410.4	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOJ1237
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/28/05 09:59

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 5J27041 - General Preparation / EPA 410.4										
Blank (5J27041-BLK1)				Prepared & Analyzed: 10/27/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5J27041-BS1)				Prepared & Analyzed: 10/27/05						
Chemical Oxygen Demand	113000	33000	ug/l	111000		102	75-120			
Matrix Spike (5J27041-MS1)	**Source: MOJ1237-01**			Prepared & Analyzed: 10/27/05						
Chemical Oxygen Demand	121000	33000	ug/l	111000	19000	92	75-120			
Matrix Spike Dup (5J27041-MSD1)	**Source: MOJ1237-01**			Prepared & Analyzed: 10/27/05						
Chemical Oxygen Demand	134000	33000	ug/l	111000	19000	104	75-120	10	15	

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOJ1237
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/28/05 09:59

Notes and Definitions

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

SEVERN TRENT STL

Date Shipped: 10/24/2005

Chain of Custody

2005-10-0482 - 2

From:

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

M05J237

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 #: 2005-10-0482
CL PO #:

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

Client Sample ID		Sample #	Matrix	
Analysis			Method	TAT
EFFL	4	10/18/2005 12:00:00PM	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: 1355	Signature Time	Signature Time
Printed Name: [illegible] Date: 10.24.05	Printed Name Date	Printed Name Date
Company: STL-SF	Company	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: [signature] Time: 1355 1355	Signature Time	Signature Time
Printed Name: JANNY TRAN Date: 10/24/05	Printed Name Date	Printed Name Date
Company: Sequoia	Company	Company

98522 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):	10/31/05
(MP day TAT)	

2005-10-0482

On-site Time:	1130	Temp:	71
Off-site Time:	1300	Temp:	75
Sky Conditions:	Sunny		
Meteorological Events:	Haze		
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.:	T0000100085	Consultant/Contractor Project No.:	38487015
Tele/Fax:	925.484.1919/925.484.1096	Enfos Project No.:	G0C24-0005	Consultant/Contractor PM:	Scott Robinson
BP/AR PM Contact:	Paul Supple	Provision or RCOP :	Provision	Tele/Fax:	510.893.3600/510.874.3268
Address:	P.O. Box 6549	Phase/WBS:	03 - O&M	Report Type & QC Level:	Level 1 and EDF
	Moraga CA 94570	Sub Phase/Task:	03 - Analytical	E-mail EDD To:	Donna_Cosper@urscorp.com
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:	05 - Subcontractor Costs	Invoice to:	Consultant or BP or ~~Atlantic Richfield~~ Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX/Oxy/TPH (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comment
1	INF	1130	10/18		X			3				X		X			
2	MID-1	1220	10/18		X			3				X		X			
3	MID-2	1210	10/18		X			3				X		X			
4	EFFL	1200	10/18		X			3				X		X			
5	EFFL	1200	10/18		X			1	X							X	
6	EFFL	1200	10/18		X			1		X					X		
7	TRIP BLANK	1130	10/18		X			3				X					HOLD
8																	
9																	
10																	

M05237

COPY

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	George Bradshaw		10/20/05	1230		10/20/05	1230
Sampler's Company:	URS CORP		10/21	1000		10/21/05	1000
Shipment Date:	~~STL~~ 10/20/05		10/21	1725	STL-SF	10/21/05	1725
Shipment Method:	FAC-STL						
Shipment Tracking No:							

Special Instructions:

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

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

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL San Francisco
REC. BY (PRINT): JT
WORKORDER: 10J1237

DATE REC'D AT LAB: 10/24/05
TIME REC'D AT LAB: ~~1255~~ 1355 JT
DATE LOGGED IN: 10/25/05

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

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	A	EFFL	500ml ply-1	H_2SO_4	—	W	10/24/05 18	
2. Chain-of-Custody (Present) / Absent*									
3. Traffic Reports or Packing List: Present / (Absent)									
4. Airbill: Airbill / Sticker Present / (Absent)									
5. Airbill #:									
6. Sample Labels: (Present) / Absent									
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No)*									
14. Read Temp: 2.4°C Corrected Temp: 2.4°C Is corrected temp 4 +/-2°C? (Yes) / No** (Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON ICE or Problem COC									

10/24/05 JT

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

SEVERN TRENT STL

Submission#: 2005-10-0482

URS-Oakland, CA

October 31, 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 10/21/2005 17:25
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 12/05/2005 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: 2005-10-0482

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: 10/21/2005 17:25

Site: 17601 Hesperian Blvd, San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	10/18/2005 12:30	Water	1
MID-1	10/18/2005 12:20	Water	2
MID-2	10/18/2005 12:10	Water	3
EFFL	10/18/2005 12:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
608

Received: 10/21/2005 17:25

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **INF**
Sampled: 10/18/2005 12:30
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-10-0482 - 1
Extracted: 10/27/2005 13:30
QC Batch#: 2005/10/27-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	10/27/2005 13:30	
Benzene	ND	0.50	ug/L	1.00	10/27/2005 13:30	
Toluene	ND	0.50	ug/L	1.00	10/27/2005 13:30	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2005 13:30	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2005 13:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/27/2005 13:30	
Methyl tert-butyl ether (MTBE)	9.2	0.50	ug/L	1.00	10/27/2005 13:30	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/27/2005 13:30	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/27/2005 13:30	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/27/2005 13:30	
Surrogate(s)						
1,2-Dichloroethane-d4	104.5	73-130	%	1.00	10/27/2005 13:30	
Toluene-d8	103.7	81-114	%	1.00	10/27/2005 13:30	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
608

Received: 10/21/2005 17:25

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 10/18/2005 12:20
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-10-0482 - 2
Extracted: 10/27/2005 13:09
QC Batch#: 2005/10/27-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	10/27/2005 13:09	
Benzene	ND	0.50	ug/L	1.00	10/27/2005 13:09	
Toluene	ND	0.50	ug/L	1.00	10/27/2005 13:09	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2005 13:09	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2005 13:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/27/2005 13:09	
Methyl tert-butyl ether (MTBE)	2.1	0.50	ug/L	1.00	10/27/2005 13:09	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/27/2005 13:09	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/27/2005 13:09	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/27/2005 13:09	
Surrogate(s)						
1,2-Dichloroethane-d4	101.4	73-130	%	1.00	10/27/2005 13:09	
Toluene-d8	105.4	81-114	%	1.00	10/27/2005 13:09	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
608

Received: 10/21/2005 17:25

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **MID-2**
Sampled: 10/18/2005 12:10
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-10-0482 - 3
Extracted: 10/27/2005 12:49
QC Batch#: 2005/10/27-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	10/27/2005 12:49	
Benzene	ND	0.50	ug/L	1.00	10/27/2005 12:49	
Toluene	ND	0.50	ug/L	1.00	10/27/2005 12:49	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2005 12:49	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2005 12:49	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/27/2005 12:49	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/27/2005 12:49	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/27/2005 12:49	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/27/2005 12:49	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/27/2005 12:49	
Surrogate(s)						
1,2-Dichloroethane-d4	105.2	73-130	%	1.00	10/27/2005 12:49	
Toluene-d8	103.5	81-114	%	1.00	10/27/2005 12:49	

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
608

Received: 10/21/2005 17:25

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **EFFL**
Sampled: 10/18/2005 12:00
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-10-0482 - 4
Extracted: 10/27/2005 10:22
QC Batch#: 2005/10/27-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	10/27/2005 10:22	
Benzene	ND	0.50	ug/L	1.00	10/27/2005 10:22	
Toluene	ND	0.50	ug/L	1.00	10/27/2005 10:22	
Ethylbenzene	ND	0.50	ug/L	1.00	10/27/2005 10:22	
Total xylenes	ND	1.0	ug/L	1.00	10/27/2005 10:22	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/27/2005 10:22	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/27/2005 10:22	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/27/2005 10:22	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/27/2005 10:22	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/27/2005 10:22	
Surrogate(s)						
1,2-Dichloroethane-d4	112.8	73-130	%	1.00	10/27/2005 10:22	
Toluene-d8	103.8	81-114	%	1.00	10/27/2005 10:22	

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: 10/21/2005 17:25

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

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

Method Blank
Water
QC Batch # 2005/10/27-1B.64

MB: 2005/10/27-1B.64-039
Date Extracted: 10/27/2005 08:39

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	10/27/2005 08:39	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/27/2005 08:39	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/27/2005 08:39	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	10/27/2005 08:39	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/27/2005 08:39	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/27/2005 08:39	
Benzene	ND	0.5	ug/L	10/27/2005 08:39	
Toluene	ND	0.5	ug/L	10/27/2005 08:39	
Ethylbenzene	ND	0.5	ug/L	10/27/2005 08:39	
Total xylenes	ND	1.0	ug/L	10/27/2005 08:39	
Surrogates(s)					
1,2-Dichloroethane-d4	100.8	73-130	%	10/27/2005 08:39	
Toluene-d8	104.8	81-114	%	10/27/2005 08:39	

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: 10/21/2005 17:25

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/10/27-1B.64**

LCS 2005/10/27-1B.64-018 Extracted: 10/27/2005 Analyzed: 10/27/2005 08:18
LCSD 2005/10/27-1B.64-002 Extracted: 10/27/2005 Analyzed: 10/27/2005 09:00

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.3	24.9	25	105.2	99.6	5.5	65-165	20		
Benzene	28.8	28.1	25	115.2	112.4	2.5	69-129	20		
Toluene	28.4	28.8	25	113.6	115.2	1.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	485	470	500	97.0	94.0		73-130			
Toluene-d8	536	529	500	107.2	105.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
608

Received: 10/21/2005 17:25

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/10/27-1B.64**

EFFL >> MS

Lab ID: 2005-10-0482 - 004

MS: 2005/10/27-1B.64-043 Extracted: 10/27/2005 Analyzed: 10/27/2005 10:43

Dilution: 1.00

MSD: 2005/10/27-1B.64-004 Extracted: 10/27/2005 Analyzed: 10/27/2005 11:04

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.7	22.1	ND	25	94.8	88.4	7.0	65-165	20		
Benzene	27.5	27.1	ND	25	110.0	108.4	1.5	69-129	20		
Toluene	26.7	26.1	ND	25	106.8	104.4	2.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	527	512		500	105.4	102.4		73-130			
Toluene-d8	540	539		500	108.0	107.8		81-114			

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

October 26, 2005

STL LOT NUMBER: **E5J250249**
PO/CONTRACT: GEM6-21909

AFSANEH SALIMPOUR
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear AFSANEH SALIMPOUR,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on October 25, 2005. This sample is associated with your #608 project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA/E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the coolers received for this project can be found on the Project Receipt Checklist.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000015 pages.

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria.

If you have any questions, please feel free to call me at 714.258.8610.

Sincerely,

Sabina Sudoko
Project Manager
CC: Project File

SEVERN TRENT **STL**

Date Shipped: 10/24/2005

Chain of Custody E5J250249 **2005-10-0482 - 1**

From:

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

To:

STL Los Angeles - Sub contract
1721 South Grand Avenue
Santa Ana, CA 92705

Project Manager:	Afsaneh Salimpour	Phone:	(714) 258-8610	Ext:
Phone: (925) 484-1919	Ext: 107	Fax:	(714) 258-0921	
Fax:	(925) 484-1096	Contact:	Sample	Control
Email:	asalimpour@stl-inc.com	Phone:	(714) 258-8610	Ext:

CL Submission #:	2005-10-0482	Project #:	38487015
CL PO #:		Project Name:	608
		EDF Global ID:	T000100085

Client Sample ID / Analysis	[illegible]	Sampled	Matrix / Method	TAT
EFFL	4	10/18/2005 12:00:00PM	Water	
EDF Field ID: EFFL				
Subcontract - Others /* TSS */				5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

Due: 10/31/05

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature [signature] Time 1900	Signature Time	Signature Time
Printed Name Date 10-24-05	Printed Name Date	Printed Name Date
Company STL	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature [signature] Time 10:15	Signature Time	Signature Time
Printed Name Albert Vargas Date 10-25-05	Printed Name Date	Printed Name Date
Company STL-LA	Company	Company

Page 1 of 1

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 10/25/05

LIMS Lot #: E5J250249 Quote #: 66572

Client Name: STL-SF Project: 608

Received by: AV Date/Time Received: 10/25/05 1015

Delivered by : ☐ Client ☐ STL ☐ DHL ☒ Fed Ex ☐ UPS ☐ Other _____

	Initial / Date
Custody Seal Status Cooler: ☐ Intact ☐ Broken ☒ None	CA 10/28/05
Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None	
Custody Seal #(s): _____ ☒ No Seal #	
Sampler Signature on COC ☐ Yes ☐ No ☒ N/A	
IR Gun # A Correction Factor .8 °C IR passed daily verification ☒ Yes ☐ No	
Temperature - BLANK 4.0 °C +/- .8 CF = 3.2 °C	
Temperature – COOLER (____°C ____°C ____°C ____°C) = ____ avg °C +/- ____ CF = ____ °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A	
Sample Container(s): ☐ STL-LA ☒ Client	
One COC/Multiple coolers: ☐ Yes- # coolers ____ All within temp criteria ☐ Yes ☐ No ☒ N/A	
One or more coolers with an anomaly: ☐ Yes – (fill out PRC for each) ☒ N/A	
Samples: ☒ Intact ☐ Broken ☐ Other _____	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A	
Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM NCM # _____	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ N/A	
Labeled by: CA Labeling checked	
Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL	
Short-Hold Notification: ☐ pH ☐ Wet Chem ☐ Metals (Filter/Pres) ☐ Encore ☐ >1/2 HT expired…	CA 10/25/05
Outside Analysis(es) (Test/Lab/Date Sent Out) :	
_____	
_____	
_____	

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☒ N/A CA 10/25/05

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # E5J250249

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1													
VOAH/ *														
1L AGB	1													

* VOA with headspace/bubbles < 6mm

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

☒ N/A CA 10/25/05

▪ COOLERS
- ☐ Not Received (received COC only)
- ☐ Leaking
- ☐ Other:

▪ CUSTODY SEALS (COOLER(S))
- ☐ None
- ☐ Not Intact
- ☐ Other

CONTAINER(S)
- ☐ None
- ☐ Not Intact
- ☐ Other

▪ TEMPERATURE (SPECS 4 ± 2°C)
- ☐ Cooler Temp(s)
- ☐ Temperature Blank(s)

▪ CHAIN OF CUSTODY (COC)
- ☐ Not relinquished by Client; No date/time relinquished
- ☐ Incomplete information provided
- ☐ Other ☐ COC not received – notify PM

▪ CONTAINERS
- ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
- ☐ Broken
- ☐ Extra
- ☐ Without Labels
- ☐ Other:

▪ LABELS
- ☐ Not the same ID/info as in COC
- ☐ Incomplete Information
- ☐ Markings/Info illegible
- ☐ Torn

▪ SAMPLES
- ☐ Samples NOT RECEIVED but listed on COC
- ☐ Samples received but NOT LISTED on COC
- ☐ Logged based on Label Information
- ☐ Logged based on info from other samples on COC
- ☐ Logged according to Work Plan
- ☐ Logged on HOLD UNTIL FURTHER NOTICE

- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

_____

_____

_____

_____

_____

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Albert Vinzon 10-25-05 **PM Review/Date:** 10/25 SC

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 38487015

#608

Lot #: E5J250249

AFSANEH SALIMPOUR

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Sabina Sudoko
Project Manager

October 26, 2005

METHODS SUMMARY

E5J250249

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

E5J250249

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HNJVW	001	EFFL	10/18/05	12:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: EFFL

General Chemistry

Lot-Sample #...: E5J250249-001 **Work Order #...:** HNJVW **Matrix.....:** W
Date Sampled...: 10/18/05 12:00 **Date Received..:** 10/25/05 10:15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	ND	10000	ug/L	MCAWW 160.2	10/25/05	5298423

Dilution Factor: 1 Analysis Time..: 16:30 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....:

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5J250249

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	W	MCAWW 160.2		5298423	

METHOD BLANK REPORT

General Chemistry

Client Lot #...: E5J250249 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: HNKTQ1AA		MB Lot-Sample #:	E5J250000-423	
	ND	10000	ug/L	MCAWW 160.2	10/25/05	5298423
		Dilution Factor: 1				
		Analysis Time..: 16:30		Analyst ID.....: 000064	Instrument ID..: W15	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: E5J250249 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		WO#:HNKTQ1AC-LCS/HNKTQ1AD-LCSD				LCS Lot-Sample#: E5J250000-423	
	101	(85 - 115)			MCAWW 160.2	10/25/05	5298423
	97	(85 - 115)	4.6	(0-20)	MCAWW 160.2	10/25/05	5298423

Dilution Factor: 1 Analysis Time..: 16:30 Analyst ID.....: 000064
Instrument ID..: W15

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: E5J250249 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		WO#:HNKTQ1AC-LCS/HNKTQ1AD-LCSD				LCS Lot-Sample#: E5J250000-423		
	500000	507000	ug/L	101		MCAWW 160.2	10/25/05	5298423
	500000	484000	ug/L	97	4.6	MCAWW 160.2	10/25/05	5298423

Dilution Factor: 1 Analysis Time..: 16:30 Analyst ID.....: 000064

Instrument ID..: W15

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

98522 Page 1 of 1

Chain of Custody Record

2005-10-0482

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): 10/31/05
(10 day TAT)

On-site Time:	1130	Temp:	71
Off-site Time:	1300	Temp:	75
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. 94566	Site Lat/Long:	37.673888 / -122.123		Oakland CA 94612
Lab PM:	Afsaneh Salimpour	California Global ID No.:	T000100085	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 I 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 Comment
1	INF	1230	10/18		X			3				X			X										
2	MID-1	1220	10/18		X			3				X			X										
3	MID-2	1210	10/18		X			3				X			X										
4	EFFL	1200	10/18		X			3				X			X										
5	EFFL	1200	10/18		X			1	X								X								
6	EFFL	1200	10/18		X			1		X						X									
7	TRIP BLANK	1130	10/18		X			3				X													HOLD
8																									
9																									
10																									

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	George Bradshaw	[signature]	10/20/05	1230	[signature]	10/21/05	1230
Sampler's Company:	URS Corp	[signature]	10/21	1000	[signature]	10/21/05	1000
Shipment Date:	Sac-STL 10/20/05	[signature]	10/21	1725	[signature] STL-SF	10/21/05	1725
Shipment Method:	Sac-STL						
Shipment Tracking No:							

Special Instructions:

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

Sequoia
Analytical

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

29 November, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOK0858

Enclosed are the results of analyses for samples received by the laboratory on 11/17/05 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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

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	MOK0858
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	11/29/05 15:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFF - 111605	MOK0858-01	Water	11/16/05 11:00	11/17/05 14:15

These samples were received with no custody seals.

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOK0858
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	11/29/05 15:50

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFF - 111605 (MOK0858-01) Water	**Sampled: 11/16/05 11:00**		**Received: 11/17/05 14:15**						
Chemical Oxygen Demand	ND	30000	ug/l	1	5K29034	11/23/05	11/23/05	EPA 410.4	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOK0858
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	11/29/05 15:50

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 5K29034 - General Preparation / EPA 410.4										
Blank (5K29034-BLK1)				Prepared & Analyzed: 11/23/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5K29034-BS1)				Prepared & Analyzed: 11/23/05						
Chemical Oxygen Demand	86700	33000	ug/l	111000		78	75-120			
Matrix Spike (5K29034-MS1)				Prepared & Analyzed: 11/23/05						
Chemical Oxygen Demand	81100	33000	ug/l	111000		73	75-120			LN
Matrix Spike Dup (5K29034-MSD1)				Prepared & Analyzed: 11/23/05						
Chemical Oxygen Demand	78900	33000	ug/l	111000		71	75-120	3	15	LN

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	MOK0858
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	11/29/05 15:50

Notes and Definitions

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

SEVERN TRENT **STL**

Date Shipped: 11/16/2005

Chain of Custody

2005-11-0204 - 2

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 #: 2005-11-0204
CL PO #:

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

Client Sample ID / Analysis		Sampled	Matrix / Method	TAT
EFF-111605	4	11/16/2005 11:00:00AM	Water	
EDF Field ID: EFF-111605				
Subcontract - COD			410.4	6 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

MOKO 858

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 0937	Signature: [signature] Time: 1412	Signature Time
Printed Name: Loran Muller Date: 11-17-05	Printed Name: B Morroy Date: 11/17/05	Printed Name Date
Company: STCSF	Company: STL-SF	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 0937	Signature: [signature] Time: 1415	Signature Time
Printed Name: B Moore Date: 11/17/05	Printed Name: Briza Falli Date: 11/17/05	Printed Name Date
Company: STL-SF	Company: SA	Company

11754C

Page 1 of 1

Chain of Custody Record

2005-11-0204

On-site Time: 0930	Temp: 65°F
Off-site Time:	Temp:
Sky Conditions: Clear	
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): 11/25/05
(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.:	T0000100085
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: 40K6858

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 - 111605	1115	11/16/05		X			3				X		X			COPY
2	MID-1 - 111605	1110			X			3				X		X			
3	MID-2 - 111605	1105			X			3				X		X			
4	EFFL - 111605	1100			X			3				X		X			
5	EFFL - 111605	1100			X			1	X							X	
6	EFFL - 111605	1100			X			1		X					X		
7	TRIP BLANK - 111605	0930	↓		X			3				X					HOLD
8																	
9																	
10																	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	11/16/05	1230		11/16/05	1230

Sampler's Name: Darin Ross
Sampler's Company: URS Group
Shipment Date: 11/16/05
Shipment Method: Hand Delivered
Shipment Tracking No:

Special Instructions:

Custody Seals In Place Yes No / Temp Blank Yes X No Cooler Temperature on Receipt 17 °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
REC. BY (PRINT): E. Fallin
WORKORDER: 10K0858

DATE REC'D AT LAB: 11/17/05
TIME REC'D AT LAB: 1415
DATE LOGGED IN: 11-18-05

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

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	✓	EFF-111605	500ml poly	H2SO4	—	L	11/16/05	
2. Chain-of-Custody	(Present) / Absent*									
3. Traffic Reports or Packing List:	Present / (Absent)									
4. Airbill:	Airbill / Sticker Present / (Absent)									
5. Airbill #:	—									
6. Sample Labels:	(Present) / Absent									
7. Sample IDs:	(Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition:	(Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	(Yes) / No*									
10. Sample received within hold time?	(Yes) / No*									
11. Adequate sample volume received?	(Yes) / No*									
12. Proper preservatives used?	(Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / (No)									
14. Read Temp: 5.8°C Corrected Temp: 5.8°C Is corrected temp 4 +/-2°C?	(Yes) / No**									

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

EFF 11/17/05

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

SEVERN TRENT STL

Submission#: 2005-11-0204

URS-Oakland, CA

November 29, 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 11/16/2005 12:30
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 12/31/2005 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

November 29, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

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

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Wednesday, November 16, 2005 12:30 PM.

SEVERN TRENT STL

Submission: 2005-11-0204

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: 11/16/2005 12:30

Site: 17601 Hesperian Blvd., San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF-111605	11/16/2005 11:15	Water	1
MID-1-111605	11/16/2005 11:10	Water	2
MID-2-111605	11/16/2005 11:05	Water	3
EFFL-111605	11/16/2005 11:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 11/16/2005 12:30

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B
Sample ID: **INF-111605**
Sampled: 11/16/2005 11:15
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-11-0204 - 1
Extracted: 11/19/2005 03:46
QC Batch#: 2005/11/18-1C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	11/19/2005 03:46	
Benzene	ND	0.50	ug/L	1.00	11/19/2005 03:46	
Toluene	ND	0.50	ug/L	1.00	11/19/2005 03:46	
Ethylbenzene	ND	0.50	ug/L	1.00	11/19/2005 03:46	
Total xylenes	ND	1.0	ug/L	1.00	11/19/2005 03:46	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/19/2005 03:46	
Methyl tert-butyl ether (MTBE)	15	0.50	ug/L	1.00	11/19/2005 03:46	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/19/2005 03:46	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/19/2005 03:46	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/19/2005 03:46	
Surrogate(s)						
1,2-Dichloroethane-d4	115.9	73-130	%	1.00	11/19/2005 03:46	
Toluene-d8	104.9	81-114	%	1.00	11/19/2005 03:46	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 11/16/2005 12:30

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B
Sample ID: **MID-1-111605**
Sampled: 11/16/2005 11:10
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-11-0204 - 2
Extracted: 11/19/2005 04:13
QC Batch#: 2005/11/18-1C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	11/19/2005 04:13	
Benzene	ND	0.50	ug/L	1.00	11/19/2005 04:13	
Toluene	ND	0.50	ug/L	1.00	11/19/2005 04:13	
Ethylbenzene	ND	0.50	ug/L	1.00	11/19/2005 04:13	
Total xylenes	ND	1.0	ug/L	1.00	11/19/2005 04:13	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/19/2005 04:13	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/19/2005 04:13	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/19/2005 04:13	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/19/2005 04:13	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/19/2005 04:13	
Surrogate(s)						
1,2-Dichloroethane-d4	124.0	73-130	%	1.00	11/19/2005 04:13	
Toluene-d8	103.3	81-114	%	1.00	11/19/2005 04:13	

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: 11/16/2005 12:30

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B
Sample ID: **MID-2-111605**
Sampled: 11/16/2005 11:05
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-11-0204 - 3
Extracted: 11/19/2005 04:41
QC Batch#: 2005/11/18-1C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	11/19/2005 04:41	
Benzene	ND	0.50	ug/L	1.00	11/19/2005 04:41	
Toluene	ND	0.50	ug/L	1.00	11/19/2005 04:41	
Ethylbenzene	ND	0.50	ug/L	1.00	11/19/2005 04:41	
Total xylenes	ND	1.0	ug/L	1.00	11/19/2005 04:41	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/19/2005 04:41	
Methyl tert-butyl ether (MTBE)	3.2	0.50	ug/L	1.00	11/19/2005 04:41	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/19/2005 04:41	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/19/2005 04:41	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/19/2005 04:41	
Surrogate(s)						
1,2-Dichloroethane-d4	120.3	73-130	%	1.00	11/19/2005 04:41	
Toluene-d8	107.8	81-114	%	1.00	11/19/2005 04:41	

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: 11/16/2005 12:30

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B
Sample ID: **EFFL-111605**
Sampled: 11/16/2005 11:00
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-11-0204 - 4
Extracted: 11/19/2005 05:08
QC Batch#: 2005/11/18-1C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	11/19/2005 05:08	
Benzene	ND	0.50	ug/L	1.00	11/19/2005 05:08	
Toluene	ND	0.50	ug/L	1.00	11/19/2005 05:08	
Ethylbenzene	ND	0.50	ug/L	1.00	11/19/2005 05:08	
Total xylenes	ND	1.0	ug/L	1.00	11/19/2005 05:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/19/2005 05:08	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/19/2005 05:08	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	11/19/2005 05:08	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	11/19/2005 05:08	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	11/19/2005 05:08	
Surrogate(s)						
1,2-Dichloroethane-d4	121.6	73-130	%	1.00	11/19/2005 05:08	
Toluene-d8	107.6	81-114	%	1.00	11/19/2005 05:08	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 11/16/2005 12:30

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

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

Method Blank — **QC Batch # 2005/11/18-1C.66**

MB: 2005/11/18-1C.66-048 — Date Extracted: 11/18/2005 19:48

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/18/2005 19:48	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/18/2005 19:48	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	11/18/2005 19:48	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	11/18/2005 19:48	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	11/18/2005 19:48	
Benzene	ND	0.5	ug/L	11/18/2005 19:48	
Toluene	ND	0.5	ug/L	11/18/2005 19:48	
Ethylbenzene	ND	0.5	ug/L	11/18/2005 19:48	
Total xylenes	ND	1.0	ug/L	11/18/2005 19:48	
Surrogates(s)					
1,2-Dichloroethane-d4	124.0	73-130	%	11/18/2005 19:48	
Toluene-d8	108.6	81-114	%	11/18/2005 19:48	

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: 11/16/2005 12:30

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/11/18-1C.66**

LCS 2005/11/18-1C.66-021 Extracted: 11/18/2005 Analyzed: 11/18/2005 19:21
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)	29.0		25	116.0			65-165	20		
Benzene	29.7		25	118.8			69-129	20		
Toluene	27.4		25	109.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	605		500	121.0			73-130			
Toluene-d8	570		500	114.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
Station 608

Received: 11/16/2005 12:30

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/11/18-1C.66**

MS/MSD

Lab ID: 2005-11-0183 - 002

MS: 2005/11/18-1C.66-026 Extracted: 11/18/2005 Analyzed: 11/18/2005 20:26
Dilution: 10.00

MSD: 2005/11/18-1C.66-054 Extracted: 11/18/2005 Analyzed: 11/18/2005 20:54
Dilution: 10.00

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	933	940	724	250	83.6	86.4	3.3	65-165	20		
Benzene	291	277	ND	250	116.4	110.8	4.9	69-129	20		
Toluene	255	245	ND	250	102.0	98.0	4.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	559	564		500	111.8	112.8		73-130			
Toluene-d8	524	539		500	104.8	107.8		81-114			

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Page 1 of 1

bp

Chain of Custody Record

2005-11-0204

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)	11/25/05

On-site Time: 0930	Temp: 65°F
Off-site Time:	Temp:
Sky Conditions: Clear	
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. 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.:	00C24-0005	Consultant/Contractor PM:	Scott Robinson
BP/AR PM Contact:	Paul Supple	Provision or RCOP :	Provision	Tele/Fax:	510.893.3600/510.874.3268
Address:	P.O. Box 6549	Phase/WBS:	03 - O&M	Report Type & QC Level:	Level 1 and EDF
	Moraga CA 94570	Sub Phase/Task:	03 - Analytical	E-mail EDD To:	Donna_Cosper@urscorp.com
Tele/Fax:	925.299.8891/925.299.8872	Cost Element:	05 - Subcontractor Costs	Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX/Oxy/TPH (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Sample Point Lat/Long and Comment
1	INF - 111605	1115	11/16/05		X			3				X		X			
2	MID-1 - 111605	1110			X			3				X		X			
3	MID-2 - 111605	1105			X			3				X		X			
4	EFFL - 111605	1100			X			3				X		X			
5	EFFL - 111605	1100			X			1	X							X	
6	EFFL - 111605	1100			X			1		X					X		
7	TRIP BLANK - 111605	0930	↓		X			3				X					HOLD
8																	
9																	
10																	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Drew Voss						
Sampler's Company: URS Group		11/16/05	1230		11/16/05	1230
Shipment Date: 11/16/05						
Shipment Method: Hand Delivered						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes No / Temp Blank Yes X No Cooler Temperature on Receipt 17 °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

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

November 23, 2005

STL LOT NUMBER: **E5K170411**
PO/CONTRACT: GEM 6-21909

Afsaneh Salimpour
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Afsaneh Salimpour,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on November 17, 2005. This sample is associated with your #608 project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA/E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the coolers received for this project can be found on the Project Receipt Checklist.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains **000018** pages.

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page.

If you have any questions, please feel free to call me at 714.258.8610.

Sincerely,

Sabina Sudoko
Project Manager
CC: Project File

LOT NUMBER E5K170411

Nonconformance 05-14695

Affected Samples:
E5K170411 (1): EFFL-111605

Affected Methods:
160.2

Details:
Cooler did not meet temperature criteria (0.7 degrees C.)

SEVERN TRENT **STL**

Date Shipped: 11/16/2005

Chain of Custody E5K170411 **2005-11-0204 - 1**

From:		To:	
STL San Francisco (CL) 1220 Quarry Lane Pleasanton, CA 94566-4756		STL Los Angeles - Sub contract 1721 South Grand Avenue Santa Ana, CA 92705	
Project Manager:	Afsaneh Salimpour	Phone:	(714) 258-8610 Ext:
Phone: (925) 484-1919	Ext: 107	Fax:	(714) 258-0921
Fax:	(925) 484-1096	Contact:	Sample Control
Email:	asalimpour@stl-inc.com	Phone:	(714) 258-8610 Ext:

CL Submission #: 2005-11-0204
CL PO #:

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

Client Sample ID / Analysis	CL#	Sampled	Matrix	Method	TAT
EFF-111605	4	11/16/2005 11:00:00AM	Water		
EDF Field ID: EFF-111605					
Subcontract - Others /* TSS */					5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature [signature] Time 1500	Signature Time	Signature Time
Printed Name Date 111605	Printed Name Date	Printed Name Date
Company STL	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature [signature] Time 10:15	Signature Time	Signature Time
Printed Name Albert Vargas Date 11-17-05	Printed Name Date	Printed Name Date
Company STL-LA	Company	Company

1.5 - .8 = 0.7°

ESK170411

11754

Page 1 of 1

Chain of Custody Record

2005-11-0204

On-site Time: 0930	Temp: 65°F
Off-site Time:	Temp:
Sky Conditions: Clear	
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): 11/25/05
(14-day TAT)

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

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.:	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)

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 - 111605	1115	11/16/05		X			3				X		X			COPY
2	MID-1 - 111605	1110			X			3				X		X			
3	MID-2 - 111605	1105			X			3				X		X			
4	EFFL - 111605	1100			X			3				X		X			
5	EFFL - 111605	1100			X			1	X						X		
6	EFFL - 111605	1100			X			1		X				X			HOLD
7	TRIP BLANK - 111605	0930	↓		X			3				X					
8																	
9																	
10																	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	11/16/05	1230		11/16/05	1230

Sampler's Name: Darin Ross
Sampler's Company: URS Group
Shipment Date: 11/16/05
Shipment Method: Hand Delivered
Shipment Tracking No:
Special Instructions:

Custody Seals In Place Yes No / Temp Blank Yes X No Cooler Temperature on Receipt 17 °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

Carman, Marina V.

From: mcarman@stl-inc.com
Sent: Friday, November 18, 2005 11:05 AM
To: Salimpour, Afsaneh
Subject: Information for E5K170411

Sample
ifirmation for E5K17

* *

Lot ID: E5K170411
Project Number: 2005-11-02040
Project Name/Site: Station 608/38487015

The cooler did not meet temperature criteria (0.7 deg C).

[00231083]
Version: 2.1.10

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 11-17-05

Single Cooler Only

LIMS Lot #: E5K170411 Quote #: 6013

Client Name: STL-SF Project: 38487015

Received by: AV Date/Time Received: 11-17-05 1015

Delivered by : ☐ Client ☐ STL ☐ DHL ☑ Fed Ex ☐ UPS ☐ Other

****

Initial / Date

Custody Seal Status Cooler: ☐ Intact ☐ Broken ☑ None ..... #15 11/17/05 AV

Custody Seal Status Samples: ☐ Intact ☐ Broken ☑ None .....

Custody Seal #(s): _____ ☑ No Seal #.....

Sampler Signature on COC ☐ Yes ☐ No ☑ N/A.....

IR Gun # A Correction Factor -.8 °C IR passed daily verification ☐ Yes ☐ No .....

Temperature - BLANK 1.5 °C - .8 CF = 0.7 °C .....

Temperature – COOLER (____°C ____°C ____°C ____°C) = ____ avg °C - .8 CF = ____ °C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☑ N/A...

Sample Container(s): ☐ STL-LA ☑ Client .....

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☑ N/A..

Anomalies: ☐ No ☑ Yes – complete CUR and Create NCM .....

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☐ Yes ☑ No.....

Labeled by: AV .....

****

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☑ NORMAL..... 11-17-05 AV

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☑ N/A 11-17-05 AV

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # ESK170411

PROJECT RECEIPT CHECKLIST Cont'd

Fraction														
VOAH														
500ml Pb	1													

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☑ YES ☐ N/A 11-17-05 BV

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☑ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE

- **CUSTODY SEALS (COOLER(S))** / **CONTAINER(S)**
  - ☐ None / ☐ None
  - ☐ Not Intact / ☐ Not Intact
  - ☐ Other / ☐ Other
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments: Cooler did not meet Temp. criteria (0.7c)

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ Albert Vargas 11-17-05

PM Review/Date: 11/18/05

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 38487015

#608

Lot #: E5K170411

Afsaneh Salimpour

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Sabina Sudoko
Project Manager

November 23, 2005

METHODS SUMMARY

E5K170411

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

E5K170411

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HQGDP	001	EFFL-111605	11/16/05	10:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: KFFL-111605

General Chemistry

Lot-Sample #...: E5K170411-001 **Work Order #...:** HQGDP **Matrix.....:** W
Date Sampled...: 11/16/05 10:00 **Date Received..:** 11/17/05 10:15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	ND	10000	ug/L	MCAWW 160.2	11/17/05	5321645

Dilution Factor: 1 Analysis Time..: 13:30 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: MDL.....: 5000

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E5K170411

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	W	MCAWW 160.2		5321645	

METHOD BLANK REPORT

General Chemistry

Client Lot #...: E5K170411 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: HQGH61AA		MB Lot-Sample #: E5K170000-645		
	ND	10000	ug/L	MCAWW 160.2	11/17/05	5321645
		Dilution Factor: 1				
		Analysis Time..: 17:30		Analyst ID.....: 000064	Instrument ID..: WI5	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: E5K170411 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		WO#:HQGH61AC-LCS/HQGH61AD-LCSD				LCS Lot-Sample#: E5K170000-645	
	100	(85 - 115)			MCAWW 160.2	11/17/05	5321645
	101	(85 - 115)	0.79	(0-20)	MCAWW 160.2	11/17/05	5321645

Dilution Factor: 1 Analysis Time..: 17:30 Analyst ID.....: 000064
Instrument ID..: W15

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: E5K170411 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	WO#:HQGH61AC-LCS/HQGH61AD-LCSD LCS Lot-Sample#: E5K170000-645							
	500000	501000	ug/L	100		MCAWW 160.2	11/17/05	5321645
	500000	505000	ug/L	101	0.79	MCAWW 160.2	11/17/05	5321645

Dilution Factor: 1 Analysis Time..: 17:30 Analyst ID.....: 000064
Instrument ID..: W15

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Sequoia
Analytical

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

21 December, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOL0573

Enclosed are the results of analyses for samples received by the laboratory on 12/15/05 11:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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

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	MOL0573
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/21/05 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOL0573-01	Water	12/13/05 10:05	12/15/05 11:25

These samples were received with no custody seals.

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOL0573
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/21/05 16:01

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOL0573-01) Water	**Sampled: 12/13/05 10:05**	**Received: 12/15/05 11:25**							
Chemical Oxygen Demand	ND	30000	ug/l	1	5L20047	12/20/05	12/20/05	EPA 410.4	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0608, San Lorenzo, CA	MOL0573
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/21/05 16:01

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 5L20047 - General Preparation / EPA 410.4										
Blank (5L20047-BLK1)				Prepared & Analyzed: 12/20/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5L20047-BS1)				Prepared & Analyzed: 12/20/05						
Chemical Oxygen Demand	121000	33000	ug/l	111000		109	75-120			
Matrix Spike (5L20047-MS1)	**Source: MOL0479-01**			Prepared & Analyzed: 12/20/05						
Chemical Oxygen Demand	124000	33000	ug/l	111000	ND	112	75-120			
Matrix Spike Dup (5L20047-MSD1)	**Source: MOL0479-01**			Prepared & Analyzed: 12/20/05						
Chemical Oxygen Demand	123000	33000	ug/l	111000	ND	111	75-120	0.8	15	

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	MOL0573
1333 Broadway, Suite 800	Project Number:G0C24-0005	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/21/05 16:01

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

2005-12-0093

1124467 Page 1 of 1

bp

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation
BP BU/AR Region/Enfos Segment: Retail
State or Lead Regulatory Agency: Oro Loma Sanitary District
Requested Due Date (mm/dd/yy): 12/13/05
(14-day TAT)

On-site Time: 0900		Temp: 52°	
Off-site Time:		Temp: 54°	
Sky Conditions: Partly Cloudy			
Meteorological Events: None			
Wind Speed: N/A		Direction: N/E	

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:	37.673838 / -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:	Dennis_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. M60573	No. of Containers	Preservative: Unpreserved	Preservative: H2SO4	Preservative: HNO3	Preservative: HCl	Preservative: Methanol	Preservative:	Requested Analysis: BTEX/Oxy/TPH (8260)	Requested Analysis: COD (410.4)	Requested Analysis: TSS (160.2)	Requested Analysis: TPH (d)							Sample Point Lat/Long and Comments
1	INF	1050	12/13		X		9	6 A				X			X			X							
2	MID-1	1015	↓		X		9	6 A				X			X			X							
3	MID-2	1010			X		9	6 A				X			X			X							
4	EFFL	1005			X		9	6 A				X			X			X							
5	EFFL	1005			X			1	X								X								
6	EFFL	1005			X			1		X						X									
7	TRIP BLANK	0900	↓		X			3				X													HOLD
8																									
9																									
10																									

COPY

Sampler's Name: Dennis Cooper	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: URS Corp	[signature]	12/13/05	1410	[signature] / STL-SF	12/13/05	1410
Shipment Date: 12/13/05						
Shipment Method: Hand						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes ___ No ✓ Temp Blank Yes X No ___ Cooler Temperature on Receipt 5.3 °F/C Trip Blank Yes X No ___

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

BP COC Rev. 1 10/1/04

SEVERN TRENT STL

Chain of Custody

Date Shipped: 12/14/2005

2005-12-0093 - 2

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 #: 2005-12-0093
CL PO #:

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

Client Sample ID	Analysis	# Cont.	Sampled	Matrix	Method	TAT
EFFL		4	12/13/2005 10:05:00AM	Water		
EDF Field ID: EFF						
	Subcontract - COD 500ml H2SO4				410.4	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

MOL0573

RELINQUISHED BY: 1. Joan Mullen 1000	RELINQUISHED BY: 2. 1800	RELINQUISHED BY: 3.
Signature Time	Signature Time	Signature Time
Printed Name Date 12-15-05	Printed Name Date 12/15/05	Printed Name Date
Company STL SF	Company STL SF	Company
RECEIVED BY: 1. 1000	RECEIVED BY: 2. 11:25	RECEIVED BY: 3.
Signature Time 12/15/05	Signature Time 12-15-05	Signature Time
Printed Name Date STL SF	Printed Name Date Seq-MH	Printed Name Date
Company	Company	Company

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL
REC. BY (PRINT): L.P.
WORKORDER: M0L0573

DATE REC'D AT LAB: 12-15-05
TIME REC'D AT LAB: 11:25
DATE LOGGED IN: 12/16/05

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

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*									
2. Chain-of-Custody Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Read Temp: 5.0									
Corrected Temp: 5.0									
Is corrected temp 4 +/-2°C? Yes / No**									

(Acceptance range for samples requiring thermal pres.)

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

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

SEVERN TRENT STL

Submission#: 2005-12-0093

URS-Oakland, CA

January 05, 2006

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 12/13/2005 14:10
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 01/27/2006 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: 2005-12-0093

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	12/13/2005 10:20	Water	1
MID-1	12/13/2005 10:15	Water	2
MID-2	12/13/2005 10:10	Water	3
EFFL	12/13/2005 10:05	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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **INF**
Sampled: 12/13/2005 10:20
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-12-0093 - 1
Extracted: 12/27/2005 12:57
QC Batch#: 2005/12/27-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	12/27/2005 12:57	
Benzene	ND	0.50	ug/L	1.00	12/27/2005 12:57	
Toluene	ND	0.50	ug/L	1.00	12/27/2005 12:57	
Ethylbenzene	ND	0.50	ug/L	1.00	12/27/2005 12:57	
Total xylenes	ND	1.0	ug/L	1.00	12/27/2005 12:57	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/27/2005 12:57	
Methyl tert-butyl ether (MTBE)	11	0.50	ug/L	1.00	12/27/2005 12:57	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/27/2005 12:57	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/27/2005 12:57	
tert-Amyl methyl ether (TAME)	0.81	0.50	ug/L	1.00	12/27/2005 12:57	
Surrogate(s)						
1,2-Dichloroethane-d4	88.5	73-130	%	1.00	12/27/2005 12:57	
Toluene-d8	109.9	81-114	%	1.00	12/27/2005 12:57	

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **MID-1**
Sampled: 12/13/2005 10:15
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-12-0093 - 2
Extracted: 12/27/2005 12:35
QC Batch#: 2005/12/27-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	12/27/2005 12:35	
Benzene	ND	0.50	ug/L	1.00	12/27/2005 12:35	
Toluene	ND	0.50	ug/L	1.00	12/27/2005 12:35	
Ethylbenzene	ND	0.50	ug/L	1.00	12/27/2005 12:35	
Total xylenes	ND	1.0	ug/L	1.00	12/27/2005 12:35	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/27/2005 12:35	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/27/2005 12:35	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/27/2005 12:35	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/27/2005 12:35	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/27/2005 12:35	
Surrogate(s)						
1,2-Dichloroethane-d4	91.6	73-130	%	1.00	12/27/2005 12:35	
Toluene-d8	109.7	81-114	%	1.00	12/27/2005 12:35	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: 38487015
608

Received: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **MID-2**
Sampled: 12/13/2005 10:10
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-12-0093 - 3
Extracted: 12/27/2005 12:14
QC Batch#: 2005/12/27-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	12/27/2005 12:14	
Benzene	ND	0.50	ug/L	1.00	12/27/2005 12:14	
Toluene	ND	0.50	ug/L	1.00	12/27/2005 12:14	
Ethylbenzene	ND	0.50	ug/L	1.00	12/27/2005 12:14	
Total xylenes	ND	1.0	ug/L	1.00	12/27/2005 12:14	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/27/2005 12:14	
Methyl tert-butyl ether (MTBE)	2.5	0.50	ug/L	1.00	12/27/2005 12:14	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/27/2005 12:14	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/27/2005 12:14	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/27/2005 12:14	
Surrogate(s)						
1,2-Dichloroethane-d4	87.1	73-130	%	1.00	12/27/2005 12:14	
Toluene-d8	110.3	81-114	%	1.00	12/27/2005 12:14	

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030B
Sample ID: **EFFL**
Sampled: 12/13/2005 10:05
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-12-0093 - 4
Extracted: 12/27/2005 11:52
QC Batch#: 2005/12/27-01.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	12/27/2005 11:52	
Benzene	ND	0.50	ug/L	1.00	12/27/2005 11:52	
Toluene	ND	0.50	ug/L	1.00	12/27/2005 11:52	
Ethylbenzene	ND	0.50	ug/L	1.00	12/27/2005 11:52	
Total xylenes	ND	1.0	ug/L	1.00	12/27/2005 11:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/27/2005 11:52	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/27/2005 11:52	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/27/2005 11:52	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/27/2005 11:52	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/27/2005 11:52	
Surrogate(s)						
1,2-Dichloroethane-d4	90.9	73-130	%	1.00	12/27/2005 11:52	
Toluene-d8	110.5	81-114	%	1.00	12/27/2005 11:52	

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/12/27-01.64**

MB: 2005/12/27-01.64-005 — Date Extracted: 12/27/2005 09:05

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	12/27/2005 09:05	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/27/2005 09:05	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/27/2005 09:05	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/27/2005 09:05	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/27/2005 09:05	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/27/2005 09:05	
Benzene	ND	0.5	ug/L	12/27/2005 09:05	
Toluene	ND	0.5	ug/L	12/27/2005 09:05	
Ethylbenzene	ND	0.5	ug/L	12/27/2005 09:05	
Total xylenes	ND	1.0	ug/L	12/27/2005 09:05	
Surrogates(s)					
1,2-Dichloroethane-d4	89.8	73-130	%	12/27/2005 09:05	
Toluene-d8	109.6	81-114	%	12/27/2005 09:05	

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/12/27-01.64**

LCS 2005/12/27-01.64-022 Extracted: 12/27/2005 Analyzed: 12/27/2005 08:22

LCSD 2005/12/27-01.64-044 Extracted: 12/27/2005 Analyzed: 12/27/2005 08:44

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	22.5	25.0	93.2	90.0	3.5	65-165	20		
Benzene	25.3	24.6	25.0	101.2	98.4	2.8	69-129	20		
Toluene	24.5	23.7	25.0	98.0	94.8	3.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	447	438	500	89.4	87.6		73-130			
Toluene-d8	557	538	500	111.4	107.6		81-114			

SEVERN TRENT STL

Submission: 2005-12-0093

Gas/BTEX by 8015M/8021B

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	12/13/2005 10:20	Water	1
MID-1	12/13/2005 10:15	Water	2
MID-2	12/13/2005 10:10	Water	3
EFFL	12/13/2005 10:05	Water	4

Gas/BTEX by 8015M/8021B

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030
Sample ID: **INF**
Sampled: 12/13/2005 10:20
Matrix: Water

Test(s): 8015M
Lab ID: 2005-12-0093 - 1
Extracted: 12/27/2005 12:19
QC Batch#: 2005/12/27-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	12/27/2005 12:19	
Surrogate(s)						
4-Bromofluorobenzene-FID	87.9	50-150	%	1.00	12/27/2005 12:19	

Gas/BTEX by 8015M/8021B

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s): 5030 Test(s): 8015M

Sample ID: **MID-1** Lab ID: 2005-12-0093 - 2

Sampled: 12/13/2005 10:15 Extracted: 12/27/2005 13:11

Matrix: Water QC Batch#: 2005/12/27-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	12/27/2005 13:11	
Surrogate(s)						
4-Bromofluorobenzene-FID	84.6	50-150	%	1.00	12/27/2005 13:11	

Gas/BTEX by 8015M/8021B

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s):	5030	Test(s):	8015M
Sample ID:	**MID-2**	Lab ID:	2005-12-0093 - 3
Sampled:	12/13/2005 10:10	Extracted:	12/27/2005 13:38
Matrix:	Water	QC Batch#:	2005/12/27-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	12/27/2005 13:38	
Surrogate(s)						
4-Bromofluorobenzene-FID	83.4	50-150	%	1.00	12/27/2005 13:38	

Gas/BTEX by 8015M/8021B

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Prep(s):	5030	Test(s):	8015M
Sample ID:	**EFFL**	Lab ID:	2005-12-0093 - 4
Sampled:	12/13/2005 10:05	Extracted:	12/27/2005 14:05
Matrix:	Water	QC Batch#:	2005/12/27-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	12/27/2005 14:05	
Surrogate(s)						
4-Bromofluorobenzene-FID	89.2	50-150	%	1.00	12/27/2005 14:05	

Gas/BTEX by 8015M/8021B

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Method Blank **Water** **QC Batch # 2005/12/27-01.05**

MB: 2005/12/27-01.05-005 Date Extracted: 12/27/2005 10:49

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	12/27/2005 10:49	
Surrogates(s)					
4-Bromofluorobenzene-FID	80.8	50-150	%	12/27/2005 10:49	

Gas/BTEX by 8015M/8021B

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2005/12/27-01.05**

LCS 2005/12/27-01.05-006 Extracted: 12/27/2005 Analyzed: 12/27/2005 11:42
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
GRO (C6-C12)	236		250	94.4			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	455		500	91.0			50-150	0		

Gas/BTEX by 8015M/8021B

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: 12/13/2005 14:10

Site: 17601 Hesperian Blvd, San Lorenzo

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/12/27-01.05**

INF >> MS Lab ID: 2005-12-0093 - 001

MS: 2005/12/27-01.05-007 Extracted: 12/28/2005 Analyzed: 12/28/2005 01:16
Dilution: 1.00

MSD: 2005/12/27-01.05-008 Extracted: 12/28/2005 Analyzed: 12/28/2005 01:43
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
GRO (C6-C12)	225	220	ND	250	90.0	88.0	2.2	65-135	20		
Surrogate(s)											
4-Bromofluorobenzene-FID	443	432		500	88.6	86.4		50-150	0		

SEVERN TRENT STL

December 21, 2005

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

STL LOT NUMBER: **E5L150382**
PO/CONTRACT: 2005-12-0093

Afsaneh Salimpour
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Afsaneh Salimpour,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on December 15, 2005. This sample is associated with your 608/38487015 project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the cooler received for this project can be found on the Project Receipt Checklist. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains **000015** pages.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,

Beth Riley
Project Manager

cc: Project File

SEVERN TRENT STL

Date Shipped: 12/14/2005

Chain of Custody ESL150382 **2005-12-0093 - 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:

STL Los Angeles - Sub contract
1721 South Grand Avenue
Santa Ana, CA 92705

Phone:	(714) 258-8610	Ext:	
Fax:	(714) 258-0921		
Contact:	Sample Control		
Phone:	(714) 258-8610	Ext:	

CL Submission #:	2005-12-0093
CL PO #:	

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

Client Sample ID / Analysis	CL #	Sampled	Matrix / Method	TAT
EFFL	4	12/13/2005 10:05:00AM	Water	
EDF Field ID: EFF				
Subcontract - Others /*TSS*/				5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature Time 15:57	Signature Time	Signature Time
Printed Name Date 12/14/05	Printed Name Date	Printed Name Date
Company STL SF	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature Time 10:05	Signature Time	Signature Time
Printed Name Date 12-15-05	Printed Name Date	Printed Name Date
Company STL-LA	Company	Company

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 12/15/05

Single Cooler Only

LIMS Lot #: E5L150382 Quote #: 60113

Client Name: STL-SF Project: 608

Received by: AV Date/Time Received: 12/15/05 1005

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other _____

	Initial / Date
Custody Seal Status Cooler: ☒ Intact ☐ Broken ☐ None	CA 12/15/05
Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None	
Custody Seal #(s): 648 630 ☐ No Seal #	
Sampler Signature on COC ☐ Yes ☐ No ☒ N/A	
IR Gun # __A_ Correction Factor __-.8_°C IR passed daily verification ☒ Yes ☐ No	
Temperature - **BLANK** 2.8 °C - .8 CF = 2.0 °C ... **Cooler #1 ID** N/A	
Temperature – **COOLER** (____°C ____°C ____°C ____°C) = _____ avg °C - __.8__ CF = _____ °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A	
Sample Container(s): ☐ STL-LA ☒ Client	
pH measured: ☒ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A	
Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No	
Labeled by: CA	
Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL	CA 12/15/05

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☒ N/A CA 12/15/05

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # ~~ESL150382~~ 12-15-05 DL

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1													
VOAH														
LPH	1													

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A CA 12/16/05

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S))**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ±2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ Albert Vargas 12-15-05

PM Review/Date: [illegible] 12/16/05

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 2005-12-0093

608/38487015

Lot #: E5L150382

Afsaneh Salimpour

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Beth Riley
Project Manager

December 21, 2005

EXECUTIVE SUMMARY - Detection Highlights

E5L150382

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

E5L150382

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

E5L150382

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HR790	001	EFFL	12/13/05	10:05

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL SAN FRANCISCO

Client Sample ID: EFFL

General Chemistry

Lot-Sample #...: E5L150382-001 **Work Order #...:** HR790 **Matrix.....:** W
Date Sampled...: 12/13/05 10:05 **Date Received..:** 12/15/05 10:05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	ND	10.0	mg/L	MCAWW 160.2	12/16/05	5350485

Dilution Factor: 1 Analysis Time..: 18:25 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: MDL.....: 5.0

QA/QC

QC DATA ASSOCIATION SUMMARY

E5L150382

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	W	MCAWW 160.2		5350485	

METHOD BLANK REPORT

General Chemistry

Client Lot #...: E5L150382 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: HTGKN1AA		MB Lot-Sample #:	E5L160000-485	
	ND	10.0	mg/L	MCAWW 160.2	12/16/05	5350485
		Dilution Factor: 1				
		Analysis Time..: 18:25		Analyst ID.....: 000064	Instrument ID..: W15	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.