120 - 255

URS

October 20, 2003

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

Re: Third Quarter 2003 Groundwater Monitoring and Remediation System Report
ARCO Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California
URS Project #38486314

Dear Ms. chu:

On behalf of Atlantic Richfield Company (ARCO - an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Third Quarter 2003 Groundwater Monitoring and Remediation System Report* for ARCO Service Station #0608, located at 17601 Hesperian Boulevard, San Lorenzo, California.

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

Sincerely,
URS CORPORATION

REGISTERED GEOLOGIST
JAMES F. DURKIN
No. 759
HYDROGEOLOGY
Exp. 2/28/05
STATE OF CALIFORNIA

Scott Robinson
Project Manager

James F. Durkin, C. Hg.
Senior Geologist

Enclosure: Third Quarter 2003 Groundwater Monitoring and Remediation System Report

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

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893.3600
Fax: 510.874.3268

Atlantic Richfield Company
(a BP affiliated company)

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

October 20, 2003

RE: Third Quarter 2003 Groundwater Monitoring Report
ARCO Service Station #608
17601 Hesperian Blvd.
San Lorenzo, CA
URS Project #38486314

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

Submitted by:

Paul Supple
Environmental Business Manager

REPORT

THIRD QUARTER 2003 GROUNDWATER MONITORING AND REMEDIATION SYSTEM

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

Prepared for
Atlantic Richfield Company

October 20, 2003

URS

URS Corporation
500 12th Street, Suite 200
Oakland, California 94607

38486314

Date: October 20, 2003

Quarter: 3Q 03

ARCO QUARTERLY GROUNDWATER MONITORING AND REMEDIATION SYSTEM REPORT

Facility No.:	608	Address:	17601 Hesperian Boulevard, San Lorenzo, California
Atlantic Richfield Co. Environmental Engineer:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486314
Primary Agency:			Alameda County Health Care Services (ACHCSA)

WORK PERFORMED THIS QUARTER (Third – 2003):

1. Performed third quarter 2003 groundwater monitoring event on September 15, 2003.
2. Prepared and submitted second quarter 2003 groundwater monitoring and remediation report.
3. Continued quarterly payments to homeowners for not using domestic irrigation wells.
4. Prepared and submitted letter to homeowners requesting permission to properly destroy domestic wells.
5. Continued homeowner quarterly monitoring result notification program.
6. Continued operation and maintenance of the groundwater extraction and treatment (GWET) system.
7. Submitted monthly flow data to Oro Loma Sanitary District.
8. Performed carbon change-out on July 24, 2003.
9. Renewed Oro Loma Sanitary District discharge permit.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2003):

1. Prepare and submit third quarter 2003 groundwater monitoring and remediation report.
2. Perform fourth quarter 2003 groundwater monitoring event.
3. Continue operation, maintenance and performance monitoring of GWET system.
4. Continue monthly payments to homeowners for not using domestic irrigation wells.
5. Continue homeowner quarterly monitoring result notification program.
6. Submit monthly flow data to Oro Loma Sanitary District.
7. Destroy homeowner domestic wells, if permisible.
8. Change sampling frequency of MW-9, MW-16 and MW-22 from quarterly to semiannually (March and September).

Current Phase of Project:	GW monitoring/sampling/remediation
Frequency of Groundwater Sampling:	See Table 1
Frequency of Groundwater Monitoring:	See Table 1
Is Free Product (FP) Present On-Site:	No
FP Recovered this Quarter	None
Current Remediation Techniques:	GWET

Approximate Depth to Groundwater:	9.47 (MW-14) to 12.13 (MW-5) feet		
Groundwater Gradient (direction):	West		
Groundwater Gradient (magnitude):	0.003 feet per foot		
Frequency of GWET System Lab Sampling:	Monthly		
Frequency of GWET System Field Monitoring:	Bi-weekly		
System Restart:	06/05/2000; 05/30/2003 due to utility outage		
Extraction Well:	E-1A		
Permits for Discharge:	Oro Loma Sanitary District Permit No. SDP-037 Expires 08/05/2004		
Gallons of Groundwater Treated and Discharge for this Quarter:	123,035		
Total Gallons of Groundwater Treated and Discharged to Date:	6,726,468		
Total Operation Hours to Date:	51,794		
Mass Removal (pounds):	Quarterly	Cumulative	
TPH-g:	0.01	7.24	
Benzene:	0.000	0.31	
MTBE:	0.03	2.63	
GWET System Samples Collection Dates and Effluent Results (µg/L)::	07/24/2003	08/28/2003	09/25/2003
TPH-g:	ND<50	ND<50	ND<50
Benzene:	ND<0.50	ND<0.50	ND<0.50
MTBE:	ND<2.5	ND<2.5	ND<2.5

DISCUSSION:

TPH-g was detected in three of the ten wells sampled this quarter at concentrations ranging from 59 µg/L (MW-8) and 220 µg/L (MW-25). Benzene was not detected in any of the wells sampled this quarter. MTBE was detected in six wells at concentrations ranging from 10 µg/L (MW-15) to 430 µg/L (MW-10). TAME was detected in five wells at concentrations ranging from 2.4 µg/L (E-1A) to 71 µg/L (MW-25).

Domestic irrigation wells 642H and 17372VM were sampled this quarter, and none of the constitiuents of concern were detected above their respective reporting limit. Domestic irrigation wells 17197VM and 17349VM were not sampled, as the wells have been abandoned. Domestic irrigation wells 17302VM and 17371VM were not sampled because the owners were not home to grant access and the wells are not operational. Domestic irrigation wells 634H, 675H, 17203VM, and 17348VE were not sampled because residents were not home to grant access to the wells or access was denied. The property owners are currently under no obligation to allow access to their domestic wells. URS has requested permission from the property owners to properly destroy the wells.

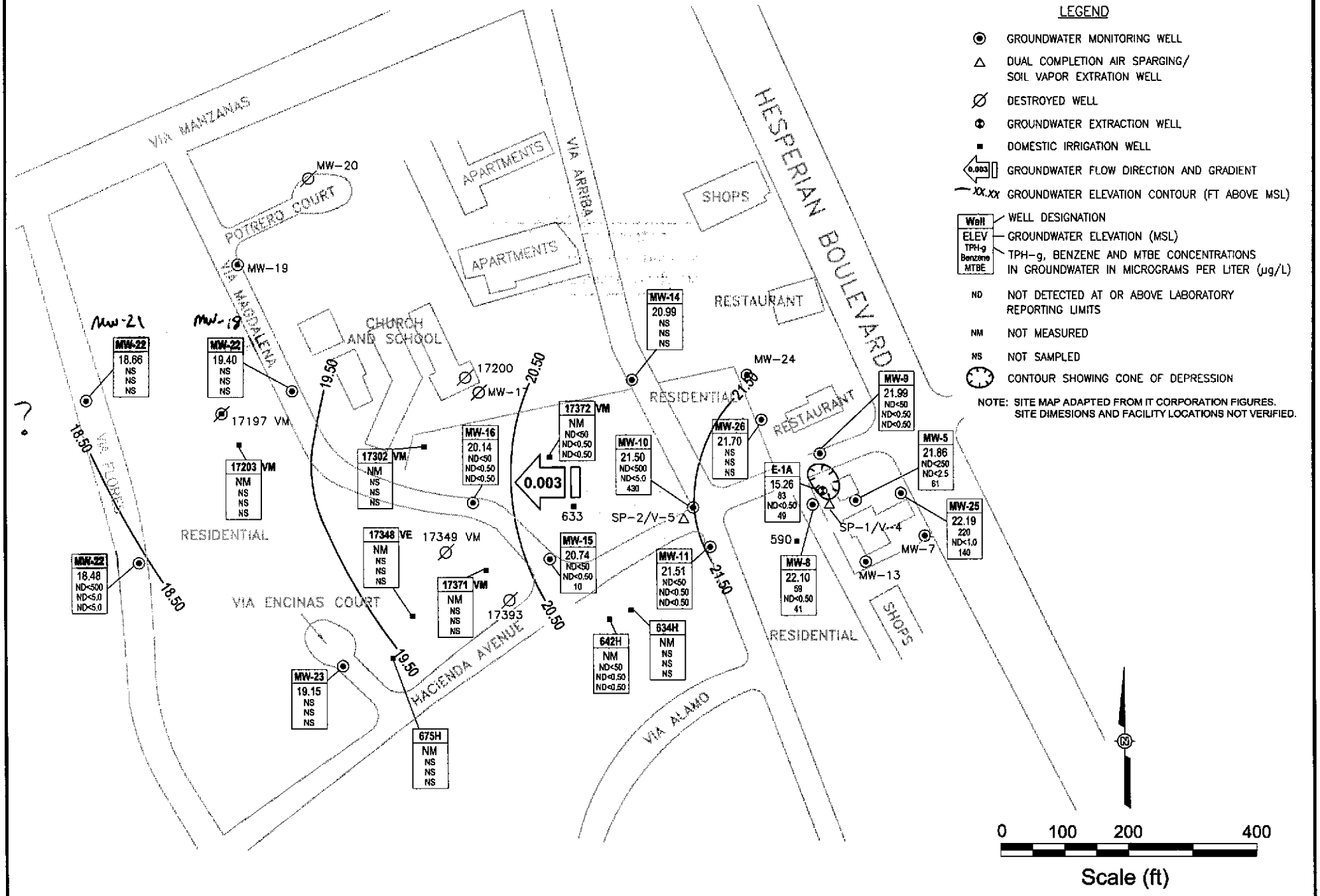
From July 24 to September 25, 2003, the system operated 81 percent of the time. On July 11, 2003, during a

scheduled maintenance visit, the system was found shutdown due to biofouling of the extraction pump. On July 24, the extraction pump was replaced, a carbon vessel change out was performed and the system was restarted. During this time period, a total of 123,035 gallons of groundwater were treated. Performance data and laboratory analytical data are listed in Tables 6 and 7.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 15, 2003
- Figure 2 – Groundwater Extraction System Mass Removal Trend TPH-g and Benzene
- Figure 3 – Groundwater Extraction System Concentration Trend TPH-g and Benzene
- Figure 4 – Groundwater Extraction System Mass Removal Trend MTBE
- Figure 5 – Groundwater Extraction System Concentration Trend MTBE
- Table 1 – Groundwater Sampling Schedule
- Table 2 – Groundwater Analytical Data – Domestic Irrigation Wells
- Table 3 – Groundwater Elevation and Analytical Data – Groundwater Monitoring Wells
- Table 4 – Groundwater Flow Direction and Gradient
- Table 5 – Fuel Oxygenate Analytical Data
- Table 6 – Groundwater Extraction System Performance Data
- Table 7 – Treatment System Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – Historical Groundwater Data Tables
- Attachment D – EDCC Report and EDF/Geowell Submittal Confirmation

X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\0608\Monitoring\Qtr. 3, 2003\Drawings\GWEC-AS_9-15.dwg, 10/17/2003 12:22:24 PM, JKMT, URS



URS	Project No. 38465883 Arco Service Station #0608 17601 Hesperian Boulevard San Lorenzo, California	**GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2003 (September 15, 2003)**

FIGURE 1

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

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

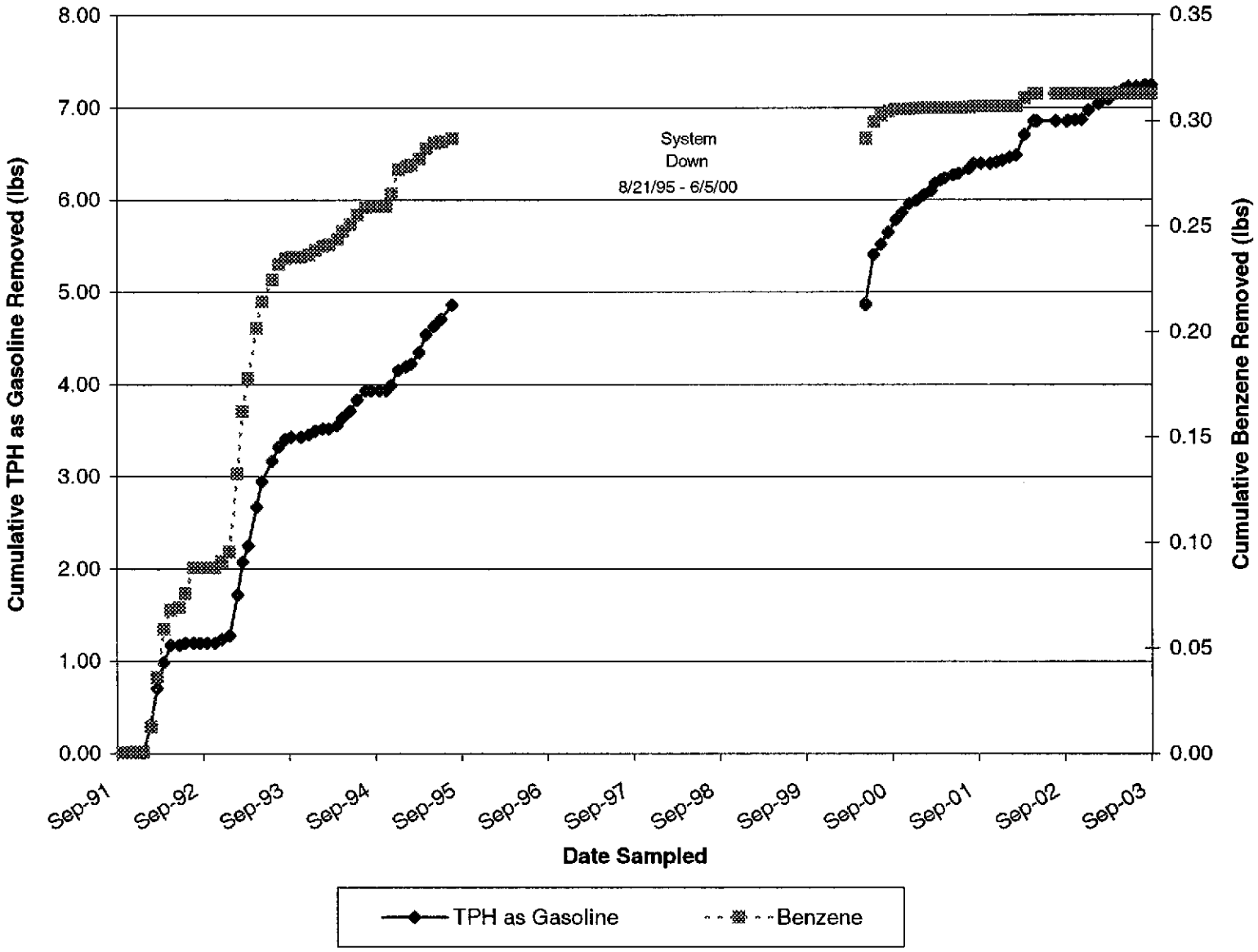


Figure 3
Groundwater Extraction System Concentration Trend
TPH-g and Benzene

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

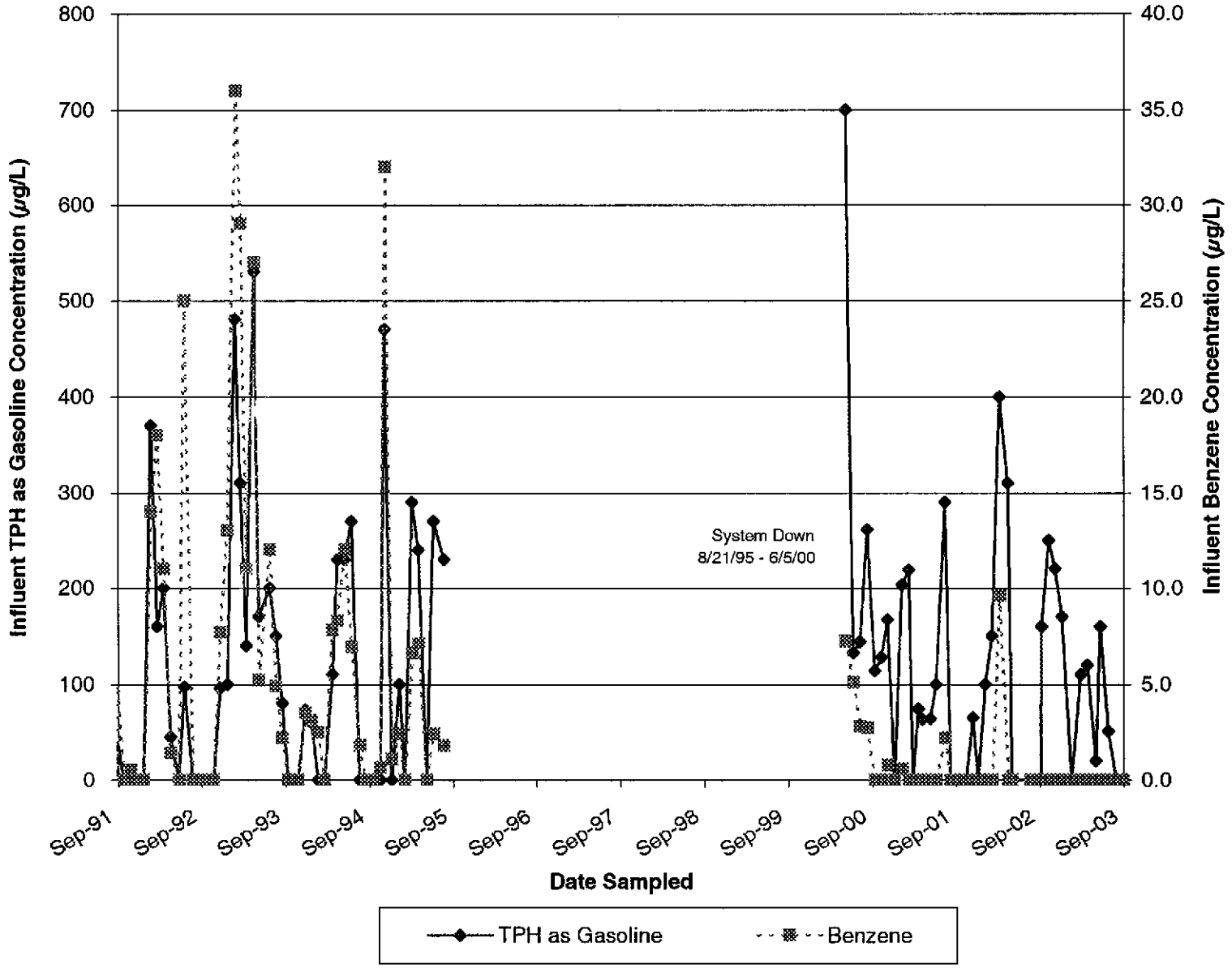


Figure 4
Groundwater Extraction System Mass Removal Trend
MtBE

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

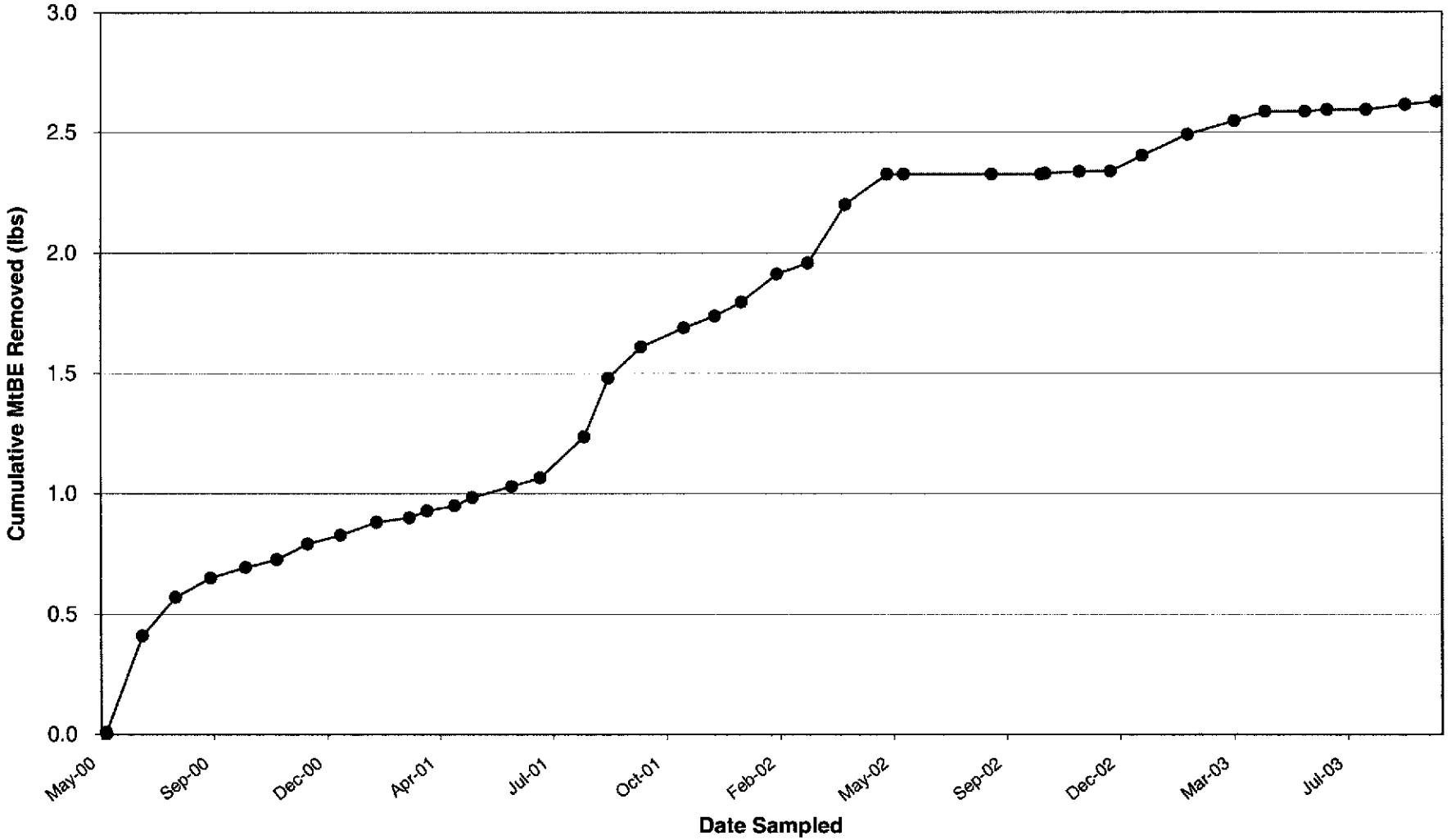


Figure 5
Groundwater Extraction System Concentration Trend
MtBE

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

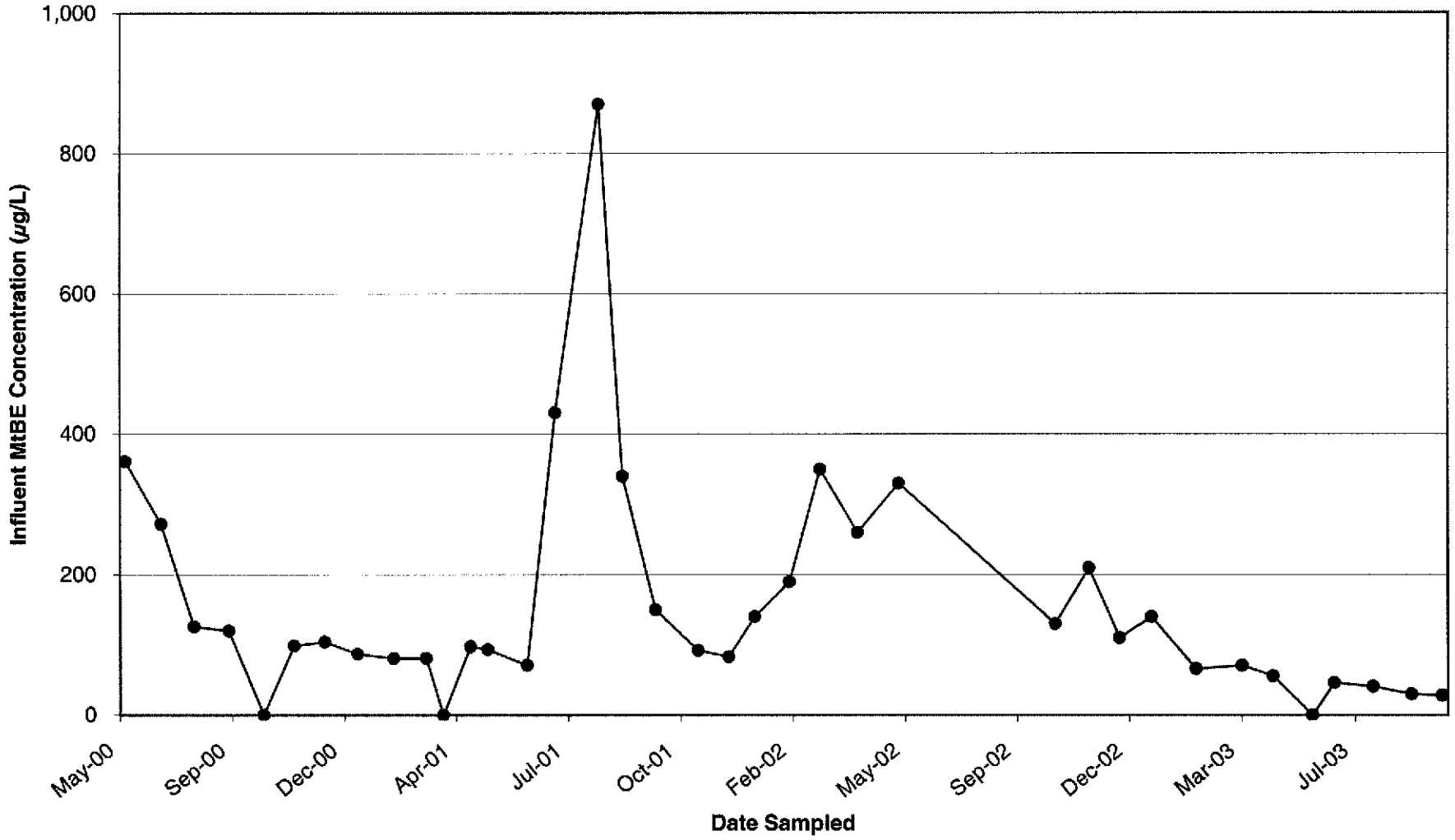


Table 1
Groundwater Sampling Schedule
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Sampling Frequency
Groundwater Monitoring Wells					
MW-5	a	a	a	a	Quarterly
MW-7	----------Removed from Program----------				
MW-8	a	a	a	a	Quarterly
MW-9	a	a	a	a	Semiannually (March/September)
MW-10	a	a	a	a	Quarterly
MW-11	a	a	a	a	Quarterly
E-1A	a	a	a	a	Quarterly
MW-13	----------Removed from Program----------				
MW-14	a				Annually (March)
MW-15	a	a	a	a	Quarterly
MW-16	a	a	a	a	Semiannually (March/September)
MW-17	----------Destroyed----------				
MW-18	a				Annually (March)
MW-19	----------Removed from Program----------				
MW-20	----------Destroyed----------				
MW-21	a				Annually (March)
MW-22	a	a	a	a	Semiannually (March/September)
MW-23	a				Annually (March)
MW-24	----------Removed from Program----------				
MW-25	a	a	a	a	Quarterly
MW-26	a				Annually (March)

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

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Sampling Frequency
Domestic Irrigation Wells					
590H	----------Destroyed----------				
633H	----------Destroyed----------				
634H	a	a	a	a	Quarterly
642H	a	a	a	a	Quarterly
675H	a	a	a	a	Quarterly
17197 VM	----------Destroyed----------				
17200 VM	----------Destroyed----------				
17203 VM	a	a	a	a	Quarterly
17302 VM	a	a	a	a	Quarterly
17348 VE	a	a	a	a	Quarterly
17349 VM	----------Destroyed----------				
17371 VM	a	a	a	a	Quarterly
17372 VM	a	a	a	a	Quarterly
17393 VM	----------Destroyed----------				

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

Table 2

Groundwater Analytical Data - Domestic Irrigation Wells

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
634 H	03/13/02	NS	NS	NS	NS	NS	NS
	06/28/02	NS	NS	NS	NS	NS	NS
	09/20/02	NS	NS	NS	NS	NS	NS
	12/30/02	NS	NS	NS	NS	NS	NS
	03/27/03	NS	NS	NS	NS	NS	NS
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
642 H	03/13/02	NS	NS	NS	NS	NS	NS
	06/28/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	09/20/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	12/30/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	03/27/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
675 H	03/13/02	NS	NS	NS	NS	NS	NS
	06/28/02	NS	NS	NS	NS	NS	NS
	09/20/02	NS	NS	NS	NS	NS	NS
	12/30/02	NS	NS	NS	NS	NS	NS
	03/27/03	NS	NS	NS	NS	NS	NS
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
17197 VM	03/13/02	NS	NS	NS	NS	NS	NS
	06/28/02	NS	NS	NS	NS	NS	NS
	09/20/02	NS	NS	NS	NS	NS	NS
	12/30/02	NS	NS	NS	NS	NS	NS
	03/27/03	NS	NS	NS	NS	NS	NS
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Table 2

Groundwater Analytical Data - Domestic Irrigation Wells

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
17203 VM	03/13/02	NS	NS	NS	NS	NS	NS
	06/28/02	NS	NS	NS	NS	NS	NS
	09/20/02	NS	NS	NS	NS	NS	NS
	12/30/02	NS	NS	NS	NS	NS	NS
	03/27/03	NS	NS	NS	NS	NS	NS
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
17302 VM	03/13/02	NS	NS	NS	NS	NS	NS
	06/28/02	NS	NS	NS	NS	NS	NS
	09/20/02	NS	NS	NS	NS	NS	NS
	12/30/02	NS	NS	NS	NS	NS	NS
	03/27/03	NS	NS	NS	NS	NS	NS
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
17348 VE	03/13/02	NS	NS	NS	NS	NS	NS
	06/28/02	NS	NS	NS	NS	NS	NS
	09/20/02	NS	NS	NS	NS	NS	NS
	12/30/02	NS	NS	NS	NS	NS	NS
	03/27/03	NS	NS	NS	NS	NS	NS
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
17349 VM	03/13/02	ND<50	1	ND<0.50	ND<0.50	ND<0.50	49
	06/28/02	66	0.50	ND<0.50	ND<0.50	ND<0.50	45(47)[a]
	09/20/02	NS	NS	NS	NS	NS	NS
	12/30/02	NS	NS	NS	NS	NS	NS
	03/27/03	NS	NS	NS	NS	NS	NS
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Table 2

Groundwater Analytical Data - Domestic Irrigation Wells

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
17371 VM	03/13/02	NS	NS	NS	NS	NS	NS
	06/28/02	NS	NS	NS	NS	NS	NS
	09/20/02	NS	NS	NS	NS	NS	NS
	12/30/02	NS	NS	NS	NS	NS	NS
	03/27/03	NS	NS	NS	NS	NS	NS
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
17372 VM	03/13/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	09/20/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	12/30/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	03/27/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03	NS	NS	NS	NS	NS	NS
	09/15/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**

Table 2
Groundwater Analytical Data - Domestic Irrigation Wells
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Note:	Samples analyzed by EPA Method 8260B. Prior to March 27, 2003 samples analyzed for benzene, toluene, ethyl benzene, and total xylenes using EPA Method 8021B.
	Tert-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl (ETBE), and tert-amyl methyl ether (TAME) were not detected at or above the specified laboratory method detection limit in any of the groundwater samples analyzed.
TPH-g	= Total petroleum hydrocarbons as gasoline analyzed.
MTBE	= Methyl tertiary butyl ether
µg/L	= Micrograms per liter
ND<	= Not detected at or above specified laboratory method detection limit
a	= MTBE confirmed by EPA Method 8260B
Source:	The data within this table collected prior to June 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

Table 3

Groundwater Elevation and Analytical Data - Groundwater Monitoring Wells

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled		Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-5	03/13/02		33.99	11.46	22.53	530	ND<2.5	ND<2.5	ND<2.5	ND<2.5	230
	06/28/02			11.75	22.24	180[b]	ND<1.0	2.6	ND<1.0	1.2	230
	09/20/02			12.15	21.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	333
	12/30/02			9.73	24.26	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	03/27/03			11.24	22.75	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	59
	06/30/03	P		11.62	22.37	91	ND<0.50	ND<0.50	ND<0.50	ND<0.50	58
	09/15/03	**P**		**12.13**	**21.86**	**ND<250**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**61**
MW-8	03/13/02		32.79	10.30	22.49	500	ND<2.5	ND<2.5	ND<2.5	ND<2.5	1,100
	06/28/02			10.30	22.49	150[b]	ND<0.50	2.9	0.54	1.5	130
	09/20/02			10.84	21.95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	273
	12/30/02			8.31	24.48	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.5
	03/27/03			9.85	22.94	63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	33
	06/30/03	P		10.20	22.59	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15
	09/15/03	**P**		**10.69**	**22.10**	**59**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**41**
MW-9	03/13/02		32.11	9.49	22.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02			9.78	22.33	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	09/20/02			10.29	21.82	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	ND<0.500
	12/30/02			7.60	24.51	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	03/27/03			9.14	22.97	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03			9.64[i]	22.47	----------Well Sampled Annually----------					
	09/15/03			**10.12**	**21.99**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-10	03/13/02		31.67	9.68	21.99	680	ND<5.0	ND<5.0	ND<5.0	ND<5.0	570
	06/28/02			9.84	21.83	820[h]	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1,200
	09/20/02			10.37	21.30	194	ND<0.50	ND<0.50	ND<0.50	ND<1.50	575
	12/30/02			7.70	23.97	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	490
	03/27/03			9.33	22.34	530	ND<5.0	ND<5.0	ND<5.0	ND<5.0	330
	06/30/03	P		9.75	21.92	ND<1,000	ND<10	ND<10	ND<10	ND<10	750
	09/15/03	**P**		**10.17**	**21.50**	**ND<500**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**430**

Table 3

Groundwater Elevation and Analytical Data - Groundwater Monitoring Wells

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled		Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-11	03/13/02		32.54	10.38	22.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02			10.74	21.80	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	09/20/02			11.27	21.27	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	ND<0.500
	12/30/02			8.73	23.81	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	03/27/03			10.25	22.29	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03	P		10.65	21.89	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/15/03	**P**		**11.03**	**21.51**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
E-1A (MW-12)	03/13/02		33.06	21.75	11.31	200	ND<0.50	ND<0.50	ND<0.50	ND<0.50	310
	06/28/02			11.22	21.84	260[b]	ND<0.50	11	1.2	1.2	150
	09/20/02			11.80	21.26	250	1.18	0.520	ND<0.5	ND<1.5	218
	12/30/02			16.33	16.73	190 [c,e]	ND<1.2 [e]	ND<1.2 [e]	ND<1.2 [e]	ND<1.2 [e]	190 [e]
	03/27/03			13.63 [g]	19.43	96	ND<0.50	ND<0.50	ND<0.50	ND<0.50	60
	06/30/03	P		9.60 [h]	23.46	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37
	09/15/03	**P**		**17.80 [g]**	**15.26**	**83**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**49**
MW-14	03/13/02		30.46	8.56	21.90	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02			9.12	21.34	----------Well Sampled Annually----------					
	09/20/02			9.79	20.67	----------Well Sampled Annually----------					
	12/30/02			7.13	23.33	----------Well Sampled Annually----------					
	03/27/03			8.53	21.93	ND<50	ND<0.50	0.86	ND<0.50	ND<0.50	ND<0.50
	06/30/03			9.05	21.41	----------Well Sampled Annually----------					
	09/15/03			**9.47**	**20.99**	**----------Well Sampled Annually----------**					
MW-15	03/13/02		31.41	10.03	21.38	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	21
	06/28/02			10.41	21.00	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.7
	09/20/02			11.00	20.41	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	21.6
	12/30/02			8.33	23.08	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	67
	03/27/03			9.83	21.58	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17
	06/30/03	P		10.00	21.41	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12
	09/15/03	**P**		**10.67**	**20.74**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**10**

Table 3

Groundwater Elevation and Analytical Data - Groundwater Monitoring Wells

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled	Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-16	03/13/02	31.39	10.51	20.88	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02		10.96	20.43	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	09/20/02		10.47	20.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	1.67
	12/30/02		NM		Well not sampled - Car Parked on Well					
	03/27/03		10.28	21.11	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03		10.87[i]	20.52	----------Well Sampled Annually----------					
	09/15/03		**11.25**	**20.14**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-18	03/13/02	29.70	9.46	20.24	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02		10.05	19.65	----------Well Sampled Annually----------					
	09/20/02		10.67	19.03	----------Well Sampled Annually----------					
	12/30/02		7.98	21.72	----------Well Sampled Annually----------					
	03/27/03		9.18	20.52	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03		9.68	20.02	----------Well Sampled Annually----------					
	09/15/03		**10.30**	**19.40**	**----------Well Sampled Annually----------**					
MW-21	03/13/02	28.72	9.40	19.32	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0
	06/28/02		9.80	18.92	----------Well Sampled Annually----------					
	09/20/02		10.27	18.45	----------Well Sampled Annually----------					
	12/30/02		7.70	21.02	----------Well Sampled Annually----------					
	03/27/03		9.05	19.67	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03		9.48	19.24	----------Well Sampled Annually----------					
	09/15/03		**10.06**	**18.66**	**----------Well Sampled Annually----------**					
MW-22	03/13/02	29.29	9.86	19.43	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02		10.65	18.64	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	09/20/02		11.05	18.24	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.50	ND<0.500
	12/30/02		8.28	21.01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	03/27/03		9.85	19.44	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03		10.20[i]	19.09	----------Well Sampled Annually----------					
	09/15/03		**10.81**	**18.48**	**ND<500**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**

Table 3

Groundwater Elevation and Analytical Data - Groundwater Monitoring Wells

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled		Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Groundwater Elevation (feet, MSL)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)
MW-23	03/13/02		30.99	11.01	19.98	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02			11.59	19.40	----------Well Sampled Annually----------					
	09/20/02			12.00	18.99	----------Well Sampled Annually----------					
	12/30/02			9.42	21.57	----------Well Sampled Annually----------					
	03/27/03			11.00	19.99	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03			11.47	19.52	----------Well Sampled Annually----------					
	09/15/03			**11.84**	**19.15**	**----------Well Sampled Annually----------**					
MW-25	03/13/02		33.81	10.99	22.82	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02			11.26	22.55	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	36
	09/20/02			11.65	22.16	117	ND<0.50	ND<0.50	ND<0.50	ND<1.50	259
	12/30/02			9.33	24.48	95 [d]	13	ND<0.50	ND<0.50	ND<0.50	98 [f]
	03/27/03			10.82	22.99	150	ND<0.50	ND<0.50	ND<0.50	ND<0.50	90
	06/30/03	P		11.20	22.61	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	130
	09/15/03	**P**		**11.62**	**22.19**	**220**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**140**
MW-26	03/13/02		33.71	11.27	22.44	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5
	06/28/02			11.70	22.01	----------Well Sampled Annually----------					
	09/20/02			12.10	21.61	----------Well Sampled Annually----------					
	12/30/02			9.60	24.11	----------Well Sampled Annually----------					
	03/27/03			11.15	22.56	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/30/03			11.61	22.10	----------Well Sampled Annually----------					
	09/15/03			**12.01**	**21.70**	**----------Well Sampled Annually----------**					

Table 3
Groundwater Elevation and Analytical Data - Groundwater Monitoring Wells
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Note:	Samples analyzed by EPA Method 8260B. Prior to March 27, 2003 TPH-g was analyzed by EPA Method 8015; benzene, toluene, ethyl benzene, total xylenes and MTBE were analyzed by EPA Method 8021B.
TPH	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015, Modified
MTBE	= Methyl tertiary butyl ether
µg/L	= Micrograms per liter
P	= Purged
NP	=Not Purged
MSL	= Mean sea level
TOC	= Top of casing
ND<	= Not detected at or above specified laboratory method detection limit
a	= Well elevation data obtained from Quarterly Groundwater Monitoring and Site Status Report, Fourth Quarter 1994
b	= Chromatogram Pattern: Unidentified Hydrocarbons C6-C10
c	= Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
d	= Chromatogram Pattern: C6-C10
e	= This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
f	= The continuing calibration was outside the acceptance criteria. This should be considered in evaluating the result for its intended purpose
g	= Groundwater extraction system pumping; inaccurate depth to water.
h	= Groundwater extraction system not pumping.
i	= Sampling frequency changed from quarterly to annually per recommendations in first quarter 2003 groundwater monitoring report.
Source:	The data within this table collected prior to June 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

Table 4

Groundwater Flow Direction and Gradient

ARCO Service Station #0608

17601 Hesperian Boulevard, San Lorenzo, California

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

Table 5
Fuel Oxygenate Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-5	03/27/03	ND<100	24	59	ND<0.50	ND<0.50	2.2	NA	NA
	06/30/03	ND<100	22	58	ND<0.50	ND<0.50	2.1	ND<0.50	ND<0.50
	09/15/03	**ND<500**	**ND<100**	**61**	**ND<2.5**	**ND<2.5**	**2.5**	**NA**	**NA**
MW-8	03/27/03	ND<100	ND<20	33	ND<0.50	ND<0.50	0.53	NA	NA
	06/30/03	ND<100	ND<20	15	ND<0.50	ND<0.50	0.85	ND<0.50	ND<0.50
	09/15/03	**ND<100**	**ND<20**	**41**	**ND<0.50**	**ND<0.50**	**5.3**	**NA**	**NA**
MW-9	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-10	03/27/03	ND<1,000	ND<200	330	ND<5.0	ND<5.0	15	NA	NA
	06/30/03	ND<2,000	ND<400	750	ND<10	ND<10	28	ND<10	ND<10
	09/15/03	**ND<1,000**	**ND<200**	**430**	**ND<5.0**	**ND<5.0**	**15**	**ND<5.0**	**ND<5.0**
MW-11	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/30/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/15/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
E-1A[1]	03/27/03	ND<100	ND<20	60	ND<0.50	ND<0.50	2.3	NA	NA
	06/30/03	ND<100	ND<20	37	ND<0.50	ND<0.50	1.6	ND<0.50	ND<0.50
	09/15/03	**ND<100**	**ND<20**	**49**	**ND<0.50**	**ND<0.50**	**2.4**	**ND<0.50**	**ND<0.50**
MW-14	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
MW-15	03/27/03	ND<100	ND<20	17	ND<0.50	ND<0.50	ND<0.50	NA	NA
	06/30/03	ND<100	ND<20	12	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/15/03	**ND<100**	**ND<20**	**10**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-16	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-18	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA

Table 5
Fuel Oxygenate Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard, San Lorenzo, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-21	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
MW-22	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	**ND<1,000**	**ND<200**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**
MW-23	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
MW-25	03/27/03	ND<100	ND<20	90	ND<0.50	ND<0.50	40	NA	NA
	06/30/03	ND<1,000	ND<200	130	ND<5.0	ND<5.0	81	ND<5.0	ND<5.0
	09/15/03	**ND<200**	**ND<40**	**140**	**ND<1.0**	**ND<1.0**	**71**	**ND<1.0**	**ND<1.0**
MW-26	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
642 H	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
17372 VM	03/27/03	ND<100	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	NA
	09/15/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**

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

Abbreviations:

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

Table 6
Groundwater Extraction System Performance Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Influent Sample Date	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	TPH-g Influent Concentration (µg/L)	TPH-g Net Removed (pounds)	TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MtBE Influent Concentration (µg/L)	MtBE Net Removed (pounds)	MtBE Removed To Date (pounds)	Primary MtBE Carbon Loading (%)
09/25/91	0	N/A	0	0	0.0	ND	N/A	0.00	N/A	0.000	0.00	N/A	N/A	N/A	0.0
09/26/91	N/A	N/A	1,144	1,144	N/A	38	0.00	0.00	4.8	0.000	0.00	N/A	N/A	N/A	0.0
10/22/91	26	96	12,844	11,700	7.6	ND	N/A	0.00	ND	0.000	0.00	N/A	N/A	N/A	0.0
11/22/91	77	93	52,532	39,688	13.0	ND	N/A	0.00	0.52	0.000	0.00	N/A	N/A	N/A	0.0
12/19/91	322	62	122,540	70,008	4.8	ND	N/A	0.00	ND	0.000	0.00	N/A	N/A	N/A	0.0
01/16/92	994	0	283,289	160,749	4.0	ND	N/A	0.00	ND	0.000	0.00	N/A	N/A	N/A	0.0
02/19/92	1,809	0	485,200	201,911	4.1	370	0.31	0.31	14	0.012	0.01	N/A	N/A	N/A	0.4
03/17/92	2,462	0	662,847	177,647	4.5	160	0.39	0.70	18	0.024	0.04	N/A	N/A	N/A	0.9
04/15/92	3,150	1	851,100	188,253	4.6	200	0.28	0.99	11	0.023	0.06	N/A	N/A	N/A	1.2
05/14/92	3,849	0	1,030,086	178,986	4.3	45	0.18	1.17	1.4	0.009	0.07	N/A	N/A	N/A	1.5
06/19/92	4,712	0	1,229,960	199,874	3.9	ND	N/A	1.17	ND	0.001	0.07	N/A	N/A	N/A	1.5
07/14/92	5,001	52	1,291,201	61,241	3.5	97	0.02	1.19	25.0	0.006	0.08	N/A	N/A	N/A	1.5
08/18/92	N/A	N/A	1,410,018	118,817	N/A	ND	N/A	1.19	ND	0.012	0.09	N/A	N/A	N/A	1.5
09/15/92	6,298	N/A	1,535,640	125,622	3.1	ND	N/A	1.19	ND	0.000	0.09	N/A	N/A	N/A	1.5
10/16/92	7,012	4	1,651,623	115,983	2.7	ND	N/A	1.19	ND	0.000	0.09	N/A	N/A	N/A	1.5
11/18/92	7,809	0	1,768,076	116,453	2.4	ND	N/A	1.19	ND	0.000	0.09	N/A	N/A	N/A	1.5
12/17/92	8,502	0	1,864,300	96,224	2.3	96	0.04	1.23	7.7	0.003	0.09	N/A	N/A	N/A	1.5
01/18/93	8,798	61	1,915,165	50,865	2.9	100	0.04	1.27	13	0.004	0.10	N/A	N/A	N/A	1.6
02/22/93	9,607	0	2,096,930	181,765	3.7	480	0.44	1.71	36	0.037	0.13	N/A	N/A	N/A	2.1
03/15/93	10,113	0	2,205,833	108,903	3.6	310	0.36	2.07	29	0.030	0.16	N/A	N/A	N/A	2.6
04/09/93	10,517	33	2,298,770	92,937	3.8	140	0.17	2.25	11	0.015	0.18	N/A	N/A	N/A	2.8
05/13/93	11,211	15	2,449,160	150,390	3.6	530	0.42	2.67	27	0.024	0.20	N/A	N/A	N/A	3.3
06/04/93	11,734	1	2,543,500	94,340	3.0	170	0.28	2.94	5.2	0.013	0.21	N/A	N/A	N/A	3.7
07/20/93	12,573	24	2,689,697	146,197	2.9	200	0.23	3.17	12	0.010	0.22	N/A	N/A	N/A	4.0
08/16/93	13,219	0	2,791,366	101,669	2.6	150	0.15	3.32	4.9	0.007	0.23	N/A	N/A	N/A	4.1
09/13/93	13,888	0	2,884,736	93,370	2.3	80	0.09	3.41	2.2	0.003	0.23	N/A	N/A	N/A	4.3
10/08/93	14,485	1	2,951,737	67,001	1.9	ND	0.02	3.43	ND	0.001	0.24	N/A	N/A	N/A	4.3
11/19/93	15,494	0	3,036,032	84,295	1.4	ND	0.00	3.43	ND	0.000	0.24	N/A	N/A	N/A	4.3
12/21/93	16,260	0	3,113,565	77,533	1.7	73	0.02	3.45	3.5	0.001	0.24	N/A	N/A	N/A	4.3
01/18/94	16,939	0	3,190,900	77,335	1.9	60	0.04	3.49	3.1	0.002	0.24	N/A	N/A	N/A	4.4
02/17/94	17,658	0	3,273,720	82,820	1.9	ND	0.02	3.51	2.5	0.002	0.24	N/A	N/A	N/A	4.4
03/15/94	18,235	7	3,344,249	70,529	2.0	ND	0.00	3.51	ND	0.001	0.24	N/A	N/A	N/A	4.4
04/21/94	18,849	31	3,418,537	74,288	2.0	110	0.03	3.55	7.8	0.002	0.24	N/A	N/A	N/A	4.4
05/13/94	19,351	5	3,478,910	60,373	2.0	230	0.09	3.63	8.3	0.004	0.25	N/A	N/A	N/A	4.5

Table 6
Groundwater Extraction System Performance Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Influent Sample Date	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	TPH-g Influent Concentration (µg/L)	TPH-g Net Removed (pounds)	TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MtBE Influent Concentration (µg/L)	MtBE Net Removed (pounds)	MtBE Removed To Date (pounds)	Primary MtBE Carbon Loading (%)
06/14/94	19,680	57	3,518,608 a	39,698	2.0	230	0.08	3.71	12	0.003	0.25	N/A	N/A	N/A	4.6
07/14/94	20,145	35	3,574,408 b	55,800	2.0	270	0.12	3.83	6.9	0.004	0.26	N/A	N/A	N/A	4.8
08/17/94	20,920	5	51,260 c	91,580 c	2.0	ND	0.10	3.93	1.8	0.003	0.26	N/A	N/A	N/A	4.9
09/12/94	21,549	0	120,910	69,650	1.8	ND	0.00	3.93	ND	0.001	0.26	N/A	N/A	N/A	4.9
10/18/94	22,408	1	211,880	90,970	1.8	ND	0.00	3.93	ND	0.000	0.26	N/A	N/A	N/A	4.9
11/15/94	23,080	0	280,840	68,960	1.7	ND	0.00	3.93	0.66	0.000	0.26	N/A	N/A	N/A	4.9
12/05/94	23,489	15	325,830	44,990	1.8	470	0.09	3.99	32	0.006	0.27	N/A	N/A	N/A	5.0
01/04/95	24,205	1	408,740	82,910	1.9	ND	0.16	4.15	1.1	0.011	0.28	N/A	N/A	N/A	5.2
02/06/95	24,926	9	499,690	90,950	2.1	100	0.04	4.19	2.4	0.001	0.28	N/A	N/A	N/A	5.2
03/02/95	25,465	6	569,180	69,490	2.1	ND	0.03	4.22	ND	0.001	0.28	N/A	N/A	N/A	5.3
04/04/95	26,253	1	672,510	103,330	2.2	290	0.12	4.34	6.6	0.003	0.28	N/A	N/A	N/A	5.4
05/02/95	26,924	0	760,350	87,840	2.2	240	0.19	4.54	7.1	0.005	0.29	N/A	N/A	N/A	5.7
06/05/95	27,721	2	848,810	88,460	1.9	ND	0.09	4.62	ND	0.003	0.29	N/A	N/A	N/A	5.8 f
07/06/95	28,464	0	921,260	72,450	1.6	270	0.08	4.71	2.4	0.001	0.29	N/A	N/A	N/A	N/A g
08/21/95 d	29,568	0	993,320	72,060	1.1	230	0.15	4.86	1.8	0.001	0.29	N/A	N/A	N/A	N/A g
06/05/00 e	29,592	N/A	976,600	N/A	N/A	700	N/A	4.86	7.2	N/A	0.29	361	N/A	0.00	N/A g
06/05/00	29,593	0	979,800	3,200	2.1	700	0.02	4.88	7.2	0.000	0.29	361	0.01	0.01	N/A g
07/08/00	30,352	4	1,131,560	151,760	3.3	133	0.53	5.40	5.1	0.008	0.30	272	0.40	0.41	N/A g
08/07/00	30,955	16	1,228,240	96,680	2.7	144	0.11	5.51	2.8	0.003	0.30	126	0.16	0.57	N/A g
09/08/00	31,528	25	1,306,300	78,060	2.3	261	0.13	5.65	2.7	0.002	0.30	120	0.08	0.65	N/A g
10/10/00	32,230	9	1,393,820	87,520	2.1	114	0.14	5.78	ND	0.001	0.31	ND	0.04	0.69	N/A g
11/07/00	32,880	3	1,472,930	79,110	2.0	128	0.08	5.86	ND	0.000	0.31	98.6	0.03	0.73	N/A g
12/05/00	33,516	5	1,548,840	75,910	2.0	167	0.09	5.96	0.775	0.000	0.31	104	0.06	0.79	N/A g
01/04/01	33,924	43	1,595,340	46,500	1.9	ND	0.03	5.99	ND	0.000	0.31	86.8	0.04	0.83	N/A g
02/06/01	34,556	20	1,672,330	76,990	2.0	203	0.07	6.05	0.572	0.000	0.31	80.5	0.05	0.88	N/A g
03/08/01	34,776	70	1,698,860	26,530	2.0	219	0.05	6.10	ND	0.000	0.31	81.0	0.02	0.90	N/A g
03/24/01	35,088	19	1,741,170	42,310	2.3	NS †	0.07	6.17	NS †	0.000	0.31	NS †	0.03	0.93	N/A g
04/18/01	35,335	59	1,770,860	29,690	2.0	74.5	0.04	6.21	ND	0.000	0.31	97.5	0.02	0.95	N/A g
05/04/01	35,716	0	1,812,690	41,830	1.8	63.3	0.02	6.23	ND	0.000	0.31	93.2	0.03	0.98	N/A g
06/09/01	36,345	27	1,879,710	67,020	1.8	64	0.04	6.27	ND	0.000	0.31	71	0.05	1.03	N/A g
07/05/01 h	36,469	80	1,897,180	17,470	2.3	100	0.01	6.28	ND	0.000	0.31	430	0.04	1.07	N/A g
08/14/01 h	36,822	63	1,928,510	31,330	1.5	290	0.05	6.33	2.2	0.000	0.31	870	0.17	1.24	N/A g
09/05/01	37,219	25	1,977,050	48,540	2.0	ND(100)	0.06	6.39	ND(1.0)	0.000	0.31	340	0.24	1.48	N/A g
10/05/01	37,932	0	2,040,950	63,900	1.5	ND	0.00	6.39	ND	0.000	0.31	150	0.13	1.61	N/A g

Table 6
Groundwater Extraction System Performance Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Influent Sample Date	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	TPH-g Influent Concentration (µg/L)	TPH-g Net Removed (pounds)	TPH-g Removed To Date (pounds)	Benzene Influent Concentration (µg/L)	Benzene Net Removed (pounds)	Benzene Removed To Date (pounds)	MtBE Influent Concentration (µg/L)	MtBE Net Removed (pounds)	MtBE Removed To Date (pounds)	Primary MtBE Carbon Loading (%)	
11/13/01	38,820	0	2,119,670	78,720	1.5	ND	0.00	6.39	ND	0.000	0.31	92	0.08	1.69	N/A	g
12/11/01	39,496	0	2,186,530	66,860	1.6	65	0.02	6.41	ND	0.000	0.31	83	0.05	1.74	N/A	g
01/04/02	40,063	0	2,248,700	62,170	1.8	ND(50)	0.02	6.43	ND	0.000	0.31	140	0.06	1.80	N/A	g
02/05/02	40,830	0	2,333,090	84,390	1.8	100	0.04	6.46	ND	0.000	0.31	190	0.12	1.91	N/A	g
03/05/02	40,968	79	2,353,460	20,370	2.5	150	0.02	6.48	ND(1.2)	0.000	0.31	350	0.05	1.96	N/A	g
04/08/02	41,735	6	2,448,360	94,900	2.1	400	0.22	6.70	9.6	0.004	0.31	260	0.24	2.20	N/A	g
05/16/02	42,642	1	2,499,320	50,960	0.9	310	0.15	6.85	ND(1.0)	0.002	0.31	330	0.13	2.33	N/A	g
05/31/02	42,832	47	2,503,380	4,060	0.4	NS	0.00	6.85	NS	0.000	0.31	NS 3	0.00	2.33	N/A	g
08/19/02	44,925 i		2,520,289	16,909	0.1	NS	0.00	6.85	NS	0.000	0.31	NS 3	0.00	2.33	N/A	g
10/03/02	44,956 i		2,520,582	293	0.2	NS	0.00	6.85	NS	0.000	0.31	NS 3	0.00	2.33	N/A	g
10/07/02	44,956 i		2,522,394	1,812	N/A	160	0.00	6.86	ND(1.0)	0.000	0.31	130	0.00	2.33	N/A	g
11/07/02	0 j		2,527,925	5,531	N/A	250	0.01	6.86	ND(1.0)	0.000	0.31	210	0.01	2.34	N/A	g
12/05/02	479	29	2,528,113	188	0.0	220	0.00	6.86	ND(1.0)	0.000	0.31	110	0.00	2.34	N/A	g
01/03/03	1,174	0	2,591,359	63,246	1.5	170	0.10	6.97	ND(1.0)	0.000	0.31	140	0.07	2.40	N/A	g
02/13/03	2,156	0	2,692,710	101,351	1.72	ND(250)	0.07	7.04	ND(2.5)	0.000	0.31	66	0.09	2.49	N/A	g
03/27/03	3,165	0	2,790,668	97,958	1.62	110	0.04	7.08	ND(0.50)	0.000	0.31	71	0.06	2.55	N/A	g
04/24/03	4,172	0	2,865,050	74,382	1.23	120	0.07	7.16	ND(0.50)	0.000	0.31	56	0.04	2.59	N/A	g
05/30/03	4,459	67	2,931,190	66,140	3.83	20	0.04	7.19	ND(5.0)	0.000	0.31	ND(50)	0.00	2.59	N/A	g
06/19/03	4,940	0	2,971,985	40,795	1.41	160	0.03	7.22	ND(5.0)	0.000	0.31	46	0.01	2.59	N/A	g
07/24/03	**5,331**	**53**	**2,972,362**	**377**	**0.02**	**51**	**0.00**	**7.23**	**ND(0.50)**	**0.000**	**0.31**	**41**	**0.00**	**2.59**	**N/A**	**g**
08/28/03	**6,165**	**0**	**3,040,900**	**68,538**	**1.37**	**ND(50)**	**0.01**	**7.24**	**ND(0.50)**	**0.000**	**0.31**	**30**	**0.02**	**2.61**	**N/A**	**g**
09/25/03	**6,838**	**0**	**3,095,020**	**54,120**	**1.34**	**ND(50)**	**0.00**	**7.24**	**ND(0.50)**	**0.000**	**0.31**	**28**	**0.01**	**2.63**	**N/A**	**g**
REPORTING PERIOD:			**06/19/03 to 9/25/03**													
TOTAL GALLONS EXTRACTED:			**6,726,468**													
PERIOD GALLONS EXTRACTED:			**123,035**													
TOTAL POUNDS REMOVED:								**7.24**			**0.31**			**2.63**		
TOTAL GALLONS REMOVED:								**1.19**			**0.04**			**0.42**		
AVERAGE PERIOD FLOW RATE (gpm):					**0.91**											
PERIOD PERCENT OPERATIONAL:					**81%**											
PERIOD POUNDS REMOVED:								**0.01**			**0.000**			**0.03**		
PERIOD GALLONS REMOVED:								**0.00**			**0.000**			**0.01**		

Table 6
Groundwater Extraction System Performance Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

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

Equations: Net Dissolved Concentration Removed [pounds] = Average influent concentration, [ug/L] x net volume (gallon) x conversion factor [µg to kg] x conversion factor [L to pounds]; (Net dissolved concentration removed is calculated by averaging influent concentratic

Note: The data within this table collected prior to May 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

Table 7
Treatment System Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon)										
09/26/91	38	4.8	0.6	1.6	1.1	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
11/22/91	ND<30	0.5	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	370	14	0.34	14	2.4	NS	NS	NS	NA	NA
03/17/92	160	18	0.32	0.56	1.6	NS	NS	NS	NA	NA
04/15/92	200	11	ND<0.3	7.3	0.77	NS	NS	NS	NA	NA
05/14/92	45	1.4	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	97	25	ND<0.5	8.5	ND<0.5	NS	NS	NS	NA	NA
08/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/15/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/16/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/17/92	96	7.7	13	0.56	9.7	NS	NS	NS	NA	NA
01/18/93	100	13	6.6	1.1	11	NS	NS	NS	NA	NA
02/22/93	480	36	29	4.9	96	NS	NS	NS	NA	NA
03/15/93	310	29	14	4.9	55	NS	NS	NS	NA	NA
04/09/93	140	11	2.8	2.6	17	NS	NS	NS	NA	NA
05/13/93	530	27	12	18	96	NS	NS	NS	NA	NA
06/04/93	170	5.2	1.6	2.5	23	NS	NS	NS	NA	NA
07/20/93	200	12	0.91	8.2	29	NS	NS	NS	NA	NA
08/16/93	150	4.9	0.63	2.9	15	NS	NS	NS	NA	NA
09/13/93	80	2.2	ND<0.5	ND<0.5	4.8	NS	NS	NS	NA	NA
10/08/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/19/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/21/93	73	3.5	ND<0.5	1.9	8.4	NS	NS	NS	NA	NA
01/18/94	60	3.1	ND<0.5	3.2	4.3	NS	NS	NS	NA	NA
02/17/94	ND<50	2.5	ND<0.5	2.1	3.1	NS	NS	NS	NA	NA
03/15/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/21/94	110	7.8	ND<1.0	9.6	ND<1.0	NS	NS	NS	NA	NA
05/13/94	230	8.3	ND<0.5	14	6.0	NS	NS	NS	NA	NA
06/14/94	230	12	ND<0.5	16	1.5	NS	NS	NS	NA	NA
07/14/94	270	6.9	ND<0.5	15	1.9	NS	NS	NS	NA	NA
08/18/94	ND<50	1.8	ND<0.5	1.5	ND<0.5	NS	NS	NS	NA	NA
09/12/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA

Table 7
Treatment System Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (cont.)										
10/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/05/94	ND<50	0.66	ND<0.5	2.6	ND<0.5	NS	NS	NS	NA	NA
12/05/94	470	32	0.59	29	6.2	NS	NS	NS	NA	NA
01/04/95	ND<50	1.1	ND<0.50	1.4	ND<0.50	NS	NS	NS	NA	NA
02/06/95	100	2.4	1.1	1.2	2.8	NS	NS	NS	NA	NA
03/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
04/04/95	290	6.6	ND<0.50	10	1.7	NS	NS	NS	NA	NA
05/02/95	240	7.1	ND<0.50	3.2	1.6	NS	NS	NS	NA	NA
06/05/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
07/06/95	270	2.4	ND<0.50	7.6	1.0	NS	NS	NS	NA	NA
08/21/95	230	1.8	ND<0.50	1.6	0.9	NS	NS	NS	NA	NA
06/05/00	700	7.24	ND<1.00	2.11	ND<1.00	361	NS	NS	NA	NA
07/08/00	133	5.09	0.598	ND<0.500	ND<0.500	272	NS	NS	NA	NA
08/10/00	144	2.80	ND<0.500	1.04	ND<0.500	126	NS	NS	NA	NA
09/08/00	261	2.74	0.826	0.626	ND<0.500	120	NS	NS	NA	NA
10/10/00	114	ND<0.500	1.68	0.843	ND<0.500	ND<2.50	NS	NS	NA	NA
11/07/00	128	ND<0.500	ND<0.500	ND<0.500	ND<0.500	98.6	NS	NS	NA	NA
12/05/00	167	0.775	ND<0.500	ND<0.500	ND<0.500	104	NS	NS	NA	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	86.8	NS	NS	NA	NA
02/06/01	203	0.572	ND<0.500	0.513	ND<0.500	80.5	NS	NS	NA	NA
03/08/01	219	ND<0.500	6.16	1.21	0.682	81.0	NS	NS	NA	NA
04/18/01	74.5	ND<0.500	ND<0.500	ND<0.500	ND<0.500	97.5	NS	NS	NA	NA
05/04/01	63.3	ND<0.500	ND<0.500	ND<0.500	ND<0.500	93.2	NS	NS	NA	NA
06/09/01	64	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
07/05/01	100	ND<0.50	2.5	ND<0.50	ND<0.50	430	NS	NS	NA	NA
08/14/01	290	2.2	3.5	ND<1.0	ND<1.0	870	NS	NS	NA	NA
09/05/01	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	340	NS	NS	NA	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	NS	NS	NA	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	92	NS	NS	NA	NA
12/11/01	65	ND<0.50	0.58	ND<0.50	ND<0.50	83	NS	NS	NA	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	NS	NS	NA	NA
02/05/02	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	190	NS	NS	NA	NA
03/05/02	150	ND<1.2	ND<1.2	ND<1.2	ND<1.2	350	NS	NS	NA	NA
04/08/02	400	9.6	ND<1.0	1.4	ND<1.0	260	NS	NS	NA	NA
05/16/02	310	ND<1.0	ND<1.0	ND<1.0	ND<1.0	330	NS	NS	NA	NA
10/07/02	160	4.1	ND<1.0	ND<1.0	ND<1.0	130	NS	NS	NA	NA
11/07/02	250	ND<0.50	10	0.70	0.77	210	NS	NS	NA	NA
12/05/02	220	ND<1.0	ND<1.0	ND<1.0	ND<1.0	110	NS	NS	NA	NA
01/03/03	170	ND<1.0	ND<1.0	ND<1.0	ND<1.0	140	NS	NS	NA	NA
2/13/03*	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	66	NS	NS	NA	NA
3/27/03*	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
4/24/03*	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	56	NS	NS	NA	NA
5/30/03*	20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<50	NS	NS	NA	NA
06/19/03	160	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	NS	NS	NA	NA
07/24/03	**51**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**41 (47)****	**NS**	**NS**	**NA**	**NA**
08/28/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**30 (40)****	**NS**	**NS**	**NA**	**NA**
09/25/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**28**	**NS**	**NS**	**NA**	**NA**

Table 7
Treatment System Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons)										
09/26/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
03/17/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
04/15/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
05/14/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
08/18/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
09/15/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
10/16/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
11/18/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
12/17/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
01/18/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
02/22/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
03/15/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
04/09/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
05/13/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
06/04/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
07/14/94	ND	ND	ND	ND	ND	NS	NS	NS	NA	NA
08/17/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
09/12/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
10/18/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
11/05/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
12/05/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
01/04/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
02/06/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
03/02/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
06/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
07/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
08/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	NS	NS	NA	NA
09/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA

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San Lorenzo, California

Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (cont.)										
10/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
11/07/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
12/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
02/06/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
03/08/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
04/18/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
05/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
06/09/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
07/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/14/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.3	NS	NS	NA	NA
12/11/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7	NS	NS	NA	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.0	NS	NS	NA	NA
02/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	26	NS	NS	NA	NA
03/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	NS	NS	NA	NA
04/08/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	39	NS	NS	NA	NA
05/16/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	58	NS	NS	NA	NA
10/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	55	NS	NS	NA	NA
11/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	100	NS	NS	NA	NA
12/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	51	NS	NS	NA	NA
01/03/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	66	NS	NS	NA	NA
2/13/03*	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	130	NS	NS	NA	NA
3/27/03*	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	120	NS	NS	NA	NA
4/24/03*	280	ND<2.5	ND<2.5	ND<2.5	ND<2.5	110	NS	NS	NA	NA
5/30/03*	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	140	NS	NS	NA	NA
06/19/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	NS	NS	NA	NA
07/24/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**NS**	**NS**	**NA**	**NA**
08/28/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**NS**	**NS**	**NA**	**NA**
09/25/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**NS**	**NS**	**NA**	**NA**

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

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

Table 7
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ARCO Service Station #0608
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San Lorenzo, California

Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer)										
09/26/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
11/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
03/17/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
04/15/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
05/14/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/15/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/16/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/17/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/18/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
02/22/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
03/15/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/09/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
05/13/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
06/04/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
07/20/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/16/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/13/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/08/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/19/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/21/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
02/17/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
03/15/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/21/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
05/13/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
06/14/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
07/14/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/17/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/12/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/05/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/05/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/04/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
02/06/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
03/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
04/04/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
05/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
06/05/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
07/06/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
08/21/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
06/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	7.19	NA
06/12/00	ND<50.0	NS	NS	NS	NS	NS	NS	NS	NA	NA
07/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	32.1	ND<10.0	7.08	NA

Table 7
Treatment System Analytical Data
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Date Sampled	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (cont.)										
08/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	23.4	ND<10.0	6.67	NA
09/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	29.2	ND<10.0	6.82	NA
10/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.25	NA
11/07/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.24	NA
12/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	44.0	ND<10.0	7.48	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.00	NA
02/06/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	10.7	7.03	NA
03/08/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.04	NA
04/18/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	28.5	ND<10.0	7.06	NA
05/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.31	NA
06/09/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	34	ND<10	7.05	NA
07/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.10	NA
08/14/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	14	7.09	NA
09/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	70	ND<10	7.07	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	55	ND<10	6.89	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	150	ND<10	6.98	NA
12/11/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	34	ND<10	7.01	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	52	ND<10	7.22	NA
02/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.91	NA
03/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.77	NA
04/08/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.52	NA
05/16/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.60	NA
10/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	0.74	ND<2.5	ND<30	ND<10	7.80	NA
12/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<30	ND<10	7.40	0.27
01/03/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<30	ND<10	7.50	NA
2/13/03*	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	7.15	0.12
3/27/03*	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	32	ND<10	7.5	0.08
4/24/03*	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	6.95	10.23
5/30/03*	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	6.95	NA
06/19/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.02	9.75
07/24/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**ND<20**	**ND<10**	**7.07**	**3.00**
08/28/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**ND<20**	**ND<10**	**7.03**	**2.12**
09/25/03	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**ND<20**	**ND<10**	**6.79**	**2.70**

TPH-g =Total purgeable petroleum hydrocarbons as gasoline, analyzed using EPA Method 8015B/8021B
MtBE =Methyl tert Butyl Ether, analyzed using EPA Method 8015B/8021B
COD =Chemical oxygen demand, analyzed using EPA Method 410.4
TSS =Total suspended solids, analyzed using EPA Method 160.2
DO =Dissolved Oxygen, field measurement
µg/L =Micrograms per liter
mg/L =Milligrams per liter
ND< =Not detected above the laboratory reporting limit.
NA =Not applicable or not available
NS =Not sampled
* =Analyzed with EPA Method 8260
** =MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).

Note: The data within this table collected prior to May 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

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 # 030915-RA1 Date 9/15/03 Client Arco 0608

Site 17601 Hesperian Blvd, San Lorenzo

	Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
	MW-5	4					12.13	13.65	TOC	
	MW-8	3					10.69	20.95		
	MW-9	3					10.12	18.30		
	MW-10	3					10.17	22.45		
	MW-11	3					11.03	18.74		
	E-1A (MW-12)	6	Pump Running				17.80*	24.55		
60	MW-14	3					9.47	23.00		
	MW-15	3					10.67	23.21		
	MW-16	3					11.25	23.10		
60	MW-18	3					10.30	21.55		
60	MW-21	3					10.06	21.60		
	MW-22	3					10.81	21.50		
60	MW-23	3					11.84	21.70		
	MW-25	2					11.62	18.50		
60	MW-26	2					12.01	19.45		
	~~[illegible]~~									
	~~[illegible]~~	* gauged w/ pump in well								

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.65	Depth to Water: 12.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: ____

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

1.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1521	75.4	6.9	922	1.0	clear-gray
1525	75.3	7.1	934	2.0	"
1525 ~~1530~~	Well Dewatered @ 2.25 gallons. DTW 13.20				
1530	75.4	7.2	941	—	clear

Did well dewater? (Yes) No — Gallons actually evacuated: 2.25

Sampling Time: 1530 @ Depart — Stock Voas Pace used — Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.8	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Adcock	Date: 9/15/03
Well I.D.: MW-8	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 20.95	Depth to Water: 10.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: ____

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

3.75 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 11.25 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1402	72.8	7.0	952	3.75	clear
1406	71.5	7.1	958	7.5	"
1410	71.2	7.1	958	11.25	"

Did well dewater? Yes (No) Gallons actually evacuated: 11.25

Sampling Time: 1415 (Stock Vocs Used) Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge)	3.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: MW-9	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 18.30	Depth to Water: 10.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: ____

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

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1251	74.8	7.1	961	3.0	clear
1254	73.0	7.0	961	6.0	"
1257	73.2	7.1	959	9.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 1300 Sampling Date: 9/15/03

Sample I.D.: MW-9 (Used Stock Vials) Laboratory: Pace (Sequoia) Other____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: MW-10	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 22.45	Depth to Water: 10.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: ____

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1318	75.9	7.0	866	4.5	clear, mild odor
1323	75.9	7.0	866	9.0	"
1328	73.9	7.0	871	13.5	"

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

Sampling Time: 1330 Sterile Vials Used Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.4	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: MW-11	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 18.71	Depth to Water: 11.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: ____

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1148	69.2	7.2	1,001	3.0	clear
1151	67.7	7.0	997	6.0	"
1154	67.4	7.0	996	9.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 1155 Stock Voas Used Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	3.8 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: E-1A (MW-12)	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth: 24.55	Depth to Water: 17.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: _____

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

10.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 30.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1457	72.7	7.1	973	10.0	silty brown
1459	72.0	7.1	973	20.0	"
1501	71.2	7.1	984	30.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 30

Sampling Time: 1505 (Stock Voas used) Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	4.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: MW-15	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 23.21	Depth to Water: 10.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: ____

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

4.75 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 14.25 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1119	68.7	7.0	989	4.75	clear
1124	68.3	7.1	988	9.5	"
1129	66.6	7.1	984	14.25	"

Did well dewater? Yes (No) Gallons actually evacuated: 14.25

Sampling Time: 1130 Stock Jugs Used Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.8 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: MW-16	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 23.10	Depth to Water: 11.25
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.

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1050	68.2	7.1	890	4.5	clear
1055	67.6	7.1	883	9.0	"
1100	67.9	7.1	877	13.5	"

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

Sampling Time: 1105 Stock Vials Used Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Methanol by 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.0	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: MW-22	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 21.50	Depth to Water: 10.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: ____

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

4.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 12.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1006	65.1	7.4	938	4.0	clear
1010	64.8	7.1	926	8.0	"
1014	64.7	7.1	923	12.0	"

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

Sampling Time: 1015 Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: MW-25	Well Diameter: (2) 3 ~~4~~ 6 8 ____
Total Well Depth: 18.50	Depth to Water: 11.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: ____

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

1.25 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.75 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1432	70.6	7.1	951	1.25	clear
1434	70.3	7.0	954	2.5	"
1436	70.3	7.0	958	3.75	"

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

Sampling Time: 1440 Stock Vials Used Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: GW-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	=	Calculated Volume Gals.
_____	X	_____	=	_____

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0845	No one Home - Unable To Access				
1215	No Body Home - Unable To Access				

Did well dewater? Yes / No			Gallons actually evacuated:		
Sampling Time:			Sampling Date: 9/15/03		
Sample I.D.:			Laboratory: Pace (Sequoia) Other _____		
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260					
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Accord	Date: 9/15/03
Well I.D.: 642H	Well Diameter: 2 3 4 6 8 Post
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

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

Post Sample

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0840	No one Home - Unable To Access				
1210	No Body Home - Unable To Access				Adam Rutte (510) 278-4410
1345	74.0	7.2	954	—	clear

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time: 1345		Sampling Date: 9/15/03	
Sample I.D.: 642H		Laboratory: Pace (Sequoia) Other _____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxys + Ethanol by 8260		
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	2.6 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: BRIAN ALCORN	Date: 9/15/03
Well I.D.: 675H	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		PUMP	NOT FUNCTIONAL		

Did well dewater? Yes / No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 9/15/03	
Sample I.D.:		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: OXYS + Ethanol by 8260		
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: 17197 VM	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		PUMP NOT FUNCTIONAL			
		DESTROYED PER PROPERTY OWNER			

Did well dewater? Yes / No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 9/15/03	
Sample I.D.:		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxys + Ethanol by 8260		
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: 17203 VM	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0815	Child Alone At Home - Says Parents Back At 1000				
1020	Returned - Nobody Home - Unable To Access				

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

Sampling Time: Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Methanol Via 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: 17302 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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		PUMP NOT FUNCTIONAL			

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 9/15/03	
Sample I.D.:		Laboratory: Pace (Sequoia) Other _____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxys Methanol by 8260		
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: 17348VE	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0835	No one Home - Unable To Access				
1035	Returned - Nobody Home - Unable To Access				

Did well dewater? Yes / No Gallons actually evacuated:

Sampling Time: Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: 17349 VM	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		WELL	ABANDONED		
		PUMP	NOT FUNCTIONAL		

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 9/15/03	
Sample I.D.:		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other: Oxys + Ethanol by 8260		
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: 17371 VM	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

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

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		PUMP NOT FUNCTIONAL			

Did well dewater? Yes / No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 9/15/03	
Sample I.D.:		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260			
D.O. (if req'd):	Pre-purge:	mg/L Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030915-BA1	Station # 0608
Sampler: Brian Alcorn	Date: 9/15/03
Well I.D.: 17372 VM	Well Diameter: 2 3 4 6 8 Port
Total Well Depth: —	Depth to Water: —
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI (HACH)

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

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

Sampling Method: Bailer / ~~Disposable Bailer~~ / (Extraction Port) / Other: _____

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

Port Sample

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0825	69.6	6.5	901	—	clear

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 0825 Sampling Date: 9/15/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Methanol by 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	4.2	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELLHEAD INSPECTION CHECKLIST
BP / GEM

Date 9/15/03

Site Address 17601 Hesperian Blvd, San Lorenzo

Job Number 030915-BA1 Technician Brian Alvarez

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-5	✓							
MW-8				✓				
MW-9	✓							
MW-10	✓							
MW-11	✓							
E-1A (MW-2)	✓							
MW-14	✓							
MW-15	✓							
MW-16		✓						
MW-18	✓							
MW-21	✓							
MW-22	✓							
MW-23	✓							
MW-25	✓							
MW-26		Tabs stripped						✓
~~6314~~	~~✓~~							

NOTES:

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:

Station # 0608

Station Address 17601 Hesperian Blvd, San Lorenzo

Total Gallons Collected From Groundwater Monitoring Wells: ____________

added equip. rinse water ____________ any other adjustments ____________

TOTAL GALS. RECOVERED 120 loaded onto BTS vehicle # 22

BTS event # 030915-BA1 time 1600 date 9/15/03

signature [signature]

****

REC'D AT ____________ time ______ date ___/___/___

unloaded by signature ____________

Date: 2/11/03

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
821803 (00008000)
June 14, 2001

System Description:

Groundwater Pumps

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

Carbon Vessels: Three ASC-1,200
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

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

ELECTRIC METER READING (kw hrs)	34263	HOUR METER READING (hrs)	4937.8

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	2,971,985	2,971,985
FILTER INLET PRESSURE (psig)	0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	0	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	0	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Upon arrival system was off due to pump overload. Inspection of pump indicated iron-bacterian (bio fouling) of influent ports. Pulled and removed pump for cleaning and inspection.

PART C: WELL DATA (Monthly)

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

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

PART D: SAMPLING (Monthly) To be completed July 24th

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

PART E: READINGS (Monthly) To be completed July 24th

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

PART F: SYSTEM MAINTENANCE I (Monthly) System Shutdown

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

PART G: SYSTEM MAINTENANCE II (Quarterly) N/A

TEST ALARM SWITCHES		BACKFLUSH CARBONS	
CLEAN TOTALIZERS			

Date: 7/24/03

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
821803 (00008000)
June 14, 2001

System Description:

Groundwater Pumps

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

Carbon Vessels: Three ASC-1,200
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

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

ELECTRIC METER READING (kw hrs)	34265	HOUR METER READING (hrs)	5331.4

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	2972317	2972362
FILTER INLET PRESSURE (psig)	8.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	6.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	4.8	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Carbon Change completed for primary carbon vessel. Note: Carbon vessels are 2400 lb capacity! Primary and secondary carbon vessels switched. System restarted at 1300 hrs. GWE pump replaced with additional sand screen. Depth to water 9.75'. Bottom of well 24.40' Pump set at 20'. Monthly samples collected.

PART C: WELL DATA (Monthly)

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

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

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	7/24/03
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	7/24/03
MID-1	TPH-gasoline, BTEX compounds, MtBE	7/24/03
MID-2	TPH-gasoline, BTEX compounds, MtBE	7/24/03

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	25.4	N/A	7.07	3.00

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	5	CHANGE FILTERS? (if necessary)	No
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	N/A		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Yes	BACKFLUSH CARBONS	No
CLEAN TOTALIZERS	Yes		

Date: 8/14/03

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
821803 (00008000)
June 14, 2001

System Description:

Groundwater Pumps

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

Carbon Vessels: Three ASC-1,200
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

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

ELECTRIC METER READING (kw hrs)	34494	HOUR METER READING (hrs)	5830.6

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,013,513	3,013,517
FILTER INLET PRESSURE (psig)	10.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	5.3	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	5.3 / 3.2 Carbon 3	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS Pump at operating line. Good extraction flow and pressure.

PART C: WELL DATA (Monthly)

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

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

PART D: SAMPLING (Monthly) due to collect 8/28/03

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

PART E: READINGS (Monthly) due to collect 8/28/03

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

PART F: SYSTEM MAINTENANCE I (Monthly)

25 micron

NUMBER OF SPARE FILTERS ON SITE?	3	CHANGE FILTERS? (if necessary)	Y-S
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	O.K.		

PART G: SYSTEM MAINTENANCE II (Quarterly) Due to Perform Oct.

TEST ALARM SWITCHES		BACKFLUSH CARBONS	
CLEAN TOTALIZERS			

Date: 8/28/03

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

System Description:

Groundwater Pumps

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

Carbon Vessels: Three ASC-2.400
Filter: Rosedale P2 ~~25~~ 10 micron

PART A: SYSTEM DATA (Semi-Monthly)

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

ELECTRIC METER READING (kw hrs)	34644	HOUR METER READING (hrs)	6164.9

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,040,730	3,040,900
FILTER INLET PRESSURE (psig)	12.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	9.4	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	9.2 / Tele #3 → 5.0	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS All operations look great!

Need to order 1 box (50 ea.) 10 micron (extended life) large bag filters

PART C: WELL DATA (Monthly)

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

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

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	8/28/03
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	8/28/03
MID-1	TPH-gasoline, BTEX compounds, MtBE	8/28/03
MID-2	TPH-gasoline, BTEX compounds, MtBE	8/28/03

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	68.5	963 µS	7.03	2.12

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	2	CHANGE FILTERS? (if necessary)	1/<5
PUMP AMP DRAW	N/A	H202 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	1/<5		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	NO	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	NO		

Date: 9/11/03

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
821803 (00008000)
June 14, 2001

System Description:

Groundwater Pumps

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

Carbon Vessels: Three ASC-1,200
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

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

ELECTRIC METER READING (kw hrs)	34796	HOUR METER READING (hrs)	6503.1

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,067,628	3,067,641
FILTER INLET PRESSURE (psig)	12	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	9.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	9.5/5.0	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS

PART C: WELL DATA (Monthly)

* ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS

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

PART D: SAMPLING (Monthly) To be performed on 9/25/03

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

PART E: READINGS (Monthly) To be performed on 9/25/03

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

PART F: SYSTEM MAINTENANCE I (Monthly)

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

Date: 9/25/03

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

System Description:

Groundwater Pumps

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

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

PART A: SYSTEM DATA (Semi-Monthly)

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

ELECTRIC METER READING (kw hrs)	34943	HOUR METER READING (hrs)	6838.4

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,094,950	3,095,020
FILTER INLET PRESSURE (psig)	11	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	8.4	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	8.5 / 4.2	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	0	(ideal range: 0 to 2 psig)

PART B: COMMENTS

PART C: WELL DATA (Monthly)

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

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

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	9/25
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	9/25
MID-1	TPH-gasoline, BTEX compounds, MtBE	9/25
MID-2	TPH-gasoline, BTEX compounds, MtBE	9/25

PART E: READINGS (Monthly)

	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
EFFLUENT	68.5	911 µS	6.79	2.70

PART F: SYSTEM MAINTENANCE I (Monthly)

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	NO	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	NO		

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 Group Environmental Management Company have been reviewed and verified by that laboratory.

Sequoia Analytical

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Morgan Hill, CA 95037
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30 September, 2003

Scott Robinson
URS Corporation [Arco]
500 12th Street, Suite 200
Oakland, CA 94607

RE: ARCO #608, San Lorenzo, CA
Work Order: MMI0441

Enclosed are the results of analyses for samples received by the laboratory on 09/16/03 15:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen

Theresa Allen
Project Manager

CA ELAP Certificate #1210

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	MMI0441-01	Water	09/15/03 15:30	09/16/03 15:35
MW-8	MMI0441-02	Water	09/15/03 14:15	09/16/03 15:35
MW-9	MMI0441-03	Water	09/15/03 13:00	09/16/03 15:35
MW-10	MMI0441-04	Water	09/15/03 13:30	09/16/03 15:35
MW-11	MMI0441-05	Water	09/15/03 11:55	09/16/03 15:35
E-1A (MW-12)	MMI0441-06	Water	09/15/03 15:05	09/16/03 15:35
MW-15	MMI0441-07	Water	09/15/03 11:30	09/16/03 15:35
MW-16	MMI0441-08	Water	09/15/03 11:05	09/16/03 15:35
MW-22	MMI0441-09	Water	09/15/03 10:15	09/16/03 15:35
MW-25	MMI0441-10	Water	09/15/03 14:40	09/16/03 15:35
642H	MMI0441-11	Water	09/15/03 13:45	09/16/03 15:35
17372 VM	MMI0441-12	Water	09/15/03 08:25	09/16/03 15:35

There were no custody seals that were received with this project.

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MMI0441-01) Water Sampled: 09/15/03 15:30 Received: 09/16/03 15:35									
Ethanol	ND	500	ug/l	5	3I24005	09/24/03	09/24/03	EPA 8260B	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**61**	2.5	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
tert-Amyl methyl ether	**2.5**	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*78-129*		"	"	"	"	
MW-8 (MMI0441-02) Water Sampled: 09/15/03 14:15 Received: 09/16/03 15:35									
Ethanol	ND	100	ug/l	1	3I24005	09/24/03	09/24/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**41**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	**5.3**	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**59**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MMI0441-03) Water Sampled: 09/15/03 13:00 Received: 09/16/03 15:35									
Ethanol	ND	100	ug/l	1	3I25002	09/25/03	09/25/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*78-129*		"	"	"	"	
MW-10 (MMI0441-04) Water Sampled: 09/15/03 13:30 Received: 09/16/03 15:35									
Ethanol	ND	1000	ug/l	10	3I26001	09/26/03	09/27/03	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**430**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	**15**	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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Morgan Hill, CA 95037
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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MMI0441-05) Water Sampled: 09/15/03 11:55 Received: 09/16/03 15:35									
Ethanol	ND	100	ug/l	1	3I25002	09/25/03	09/25/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*78-129*		"	"	"	"	
E-1A (MW-12) (MMI0441-06) Water Sampled: 09/15/03 15:05 Received: 09/16/03 15:35									
Ethanol	ND	100	ug/l	1	3I25002	09/25/03	09/25/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**49**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	**2.4**	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**83**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-15 (MMI0441-07) Water Sampled: 09/15/03 11:30 Received: 09/16/03 15:35									
Ethanol	ND	100	ug/l	1	3I25002	09/25/03	09/25/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**10**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*78-129*	"	"	"	"	
MW-16 (MMI0441-08) Water Sampled: 09/15/03 11:05 Received: 09/16/03 15:35									
Ethanol	ND	100	ug/l	1	3I26001	09/26/03	09/26/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*		*78-129*	"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-22 (MMI0441-09) Water Sampled: 09/15/03 10:15 Received: 09/16/03 15:35									
Ethanol	ND	1000	ug/l	10	3I25002	09/25/03	09/26/03	EPA 8260B	O-12
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*78-129*		"	"	"	"	
MW-25 (MMI0441-10) Water Sampled: 09/15/03 14:40 Received: 09/16/03 15:35									
Ethanol	ND	200	ug/l	2	3I26001	09/26/03	09/27/03	EPA 8260B	
tert-Butyl alcohol	ND	40	"	"	"	"	"	"	
Methyl tert-butyl ether	**140**	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
tert-Amyl methyl ether	**71**	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**220**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
642H (MMI0441-11) Water Sampled: 09/15/03 13:45 Received: 09/16/03 15:35									
Ethanol	ND	100	ug/l	1	3I26001	09/26/03	09/26/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*		*78-129*	"	"	"	"	
17372 VM (MMI0441-12) Water Sampled: 09/15/03 08:25 Received: 09/16/03 15:35									
Ethanol	ND	100	ug/l	1	3I26001	09/26/03	09/27/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*		*78-129*	"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

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 3I24005 - EPA 5030B P/T										
Blank (3I24005-BLK1)				Prepared & Analyzed: 09/24/03						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							A-01
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.67*		"	*5.00*		*93.4*	*78-129*			
Blank (3I24005-BLK2)				Prepared & Analyzed: 09/24/03						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.70*		"	*5.00*		*94.0*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

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 3I24005 - EPA 5030B P/T										
Laboratory Control Sample (3I24005-BS1)				Prepared & Analyzed: 09/24/03						
Ethanol	197	100	ug/l	200		98.5	31-186			
tert-Butyl alcohol	50.3	20	"	50.0		101	0-206			
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	63-137			
Di-isopropyl ether	9.53	0.50	"	10.0		95.3	76-130			
Ethyl tert-butyl ether	9.78	0.50	"	10.0		97.8	61-141			
tert-Amyl methyl ether	9.94	0.50	"	10.0		99.4	56-140			
1,2-Dichloroethane	9.90	0.50	"	10.0		99.0	77-136			
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0		110	77-132			
Benzene	10.1	0.50	"	10.0		101	78-124			
Toluene	10.3	0.50	"	10.0		103	78-129			
Ethylbenzene	10.7	0.50	"	10.0		107	84-117			
Xylenes (total)	32.0	0.50	"	30.0		107	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.63*		"	*5.00*		*92.6*	*78-129*			
Laboratory Control Sample (3I24005-BS2)				Prepared & Analyzed: 09/24/03						
Gasoline Range Organics (C6-C10)	353	50	ug/l	440		80.2	70-113			
Surrogate: 1,2-Dichloroethane-d4	*4.55*		"	*5.00*		*91.0*	*78-129*			
Laboratory Control Sample Dup (3I24005-BSD1)				Prepared & Analyzed: 09/24/03						
Ethanol	159	100	ug/l	200		79.5	31-186	21.3	37	
tert-Butyl alcohol	50.4	20	"	50.0		101	0-206	0.199	22	
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	63-137	0.985	13	
Di-isopropyl ether	9.61	0.50	"	10.0		96.1	76-130	0.836	9	
Ethyl tert-butyl ether	9.64	0.50	"	10.0		96.4	61-141	1.44	9	
tert-Amyl methyl ether	9.50	0.50	"	10.0		95.0	56-140	4.53	12	
1,2-Dichloroethane	9.77	0.50	"	10.0		97.7	77-136	1.32	13	
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0		106	77-132	3.70	9	
Benzene	9.71	0.50	"	10.0		97.1	78-124	3.94	12	
Toluene	10.1	0.50	"	10.0		101	78-129	1.96	10	
Ethylbenzene	9.99	0.50	"	10.0		99.9	84-117	6.86	10	
Xylenes (total)	30.4	0.50	"	30.0		101	83-125	5.13	11	
Surrogate: 1,2-Dichloroethane-d4	*4.73*		"	*5.00*		*94.6*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

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 3I24005 - EPA 5030B P/T										
Laboratory Control Sample Dup (3I24005-BSD2)				Prepared & Analyzed: 09/24/03						
Gasoline Range Organics (C6-C10)	340	50	ug/l	440		77.3	70-113	3.75	9	
Surrogate: 1,2-Dichloroethane-d4	*4.95*		"	*5.00*		*99.0*	*78-129*			
Matrix Spike (3I24005-MS1)	**Source: MMI0392-01RE1**			Prepared: 09/24/03		Analyzed: 09/25/03				
Ethanol	10000	5000	ug/l	10000	ND	100	31-186			
tert-Butyl alcohol	2990	1000	"	2500	ND	120	0-206			
Methyl tert-butyl ether	586	25	"	500	70	103	63-137			
Di-isopropyl ether	484	25	"	500	ND	96.8	76-130			
Ethyl tert-butyl ether	489	25	"	500	ND	97.8	61-141			
tert-Amyl methyl ether	486	25	"	500	ND	97.2	56-140			
1,2-Dichloroethane	508	25	"	500	ND	102	77-126			
1,2-Dibromoethane (EDB)	536	25	"	500	ND	107	77-132			
Benzene	496	25	"	500	ND	99.2	78-124			
Toluene	504	25	"	500	5.5	99.7	78-129			
Ethylbenzene	526	25	"	500	ND	105	84-117			
Xylenes (total)	1580	25	"	1500	ND	105	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.79*		"	*5.00*		*95.8*	*78-129*			
Matrix Spike Dup (3I24005-MSD1)	**Source: MMI0392-01RE1**			Prepared: 09/24/03		Analyzed: 09/25/03				
Ethanol	8540	5000	ug/l	10000	ND	85.4	31-186	15.7	37	
tert-Butyl alcohol	3140	1000	"	2500	ND	126	0-206	4.89	22	
Methyl tert-butyl ether	578	25	"	500	70	102	63-137	1.37	13	
Di-isopropyl ether	476	25	"	500	ND	95.2	76-130	1.67	9	
Ethyl tert-butyl ether	479	25	"	500	ND	95.8	61-141	2.07	9	
tert-Amyl methyl ether	478	25	"	500	ND	95.6	56-140	1.66	12	
1,2-Dichloroethane	494	25	"	500	ND	98.8	77-126	2.79	13	
1,2-Dibromoethane (EDB)	540	25	"	500	ND	108	77-132	0.743	9	
Benzene	484	25	"	500	ND	96.8	78-124	2.45	12	
Toluene	486	25	"	500	5.5	96.1	78-129	3.64	10	
Ethylbenzene	494	25	"	500	ND	98.8	84-117	6.27	10	
Xylenes (total)	1470	25	"	1500	ND	98.0	83-125	7.21	11	
Surrogate: 1,2-Dichloroethane-d4	*4.81*		"	*5.00*		*96.2*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

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 3I25002 - EPA 5030B P/T										
Blank (3I25002-BLK1)				Prepared & Analyzed: 09/25/03						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.71*		"	*5.00*		*94.2*	*78-129*			
Laboratory Control Sample (3I25002-BS1)				Prepared & Analyzed: 09/25/03						
Ethanol	157	100	ug/l	200		78.5	31-186			
tert-Butyl alcohol	46.9	20	"	50.0		93.8	0-206			
Methyl tert-butyl ether	9.72	0.50	"	10.0		97.2	63-137			
Di-isopropyl ether	9.10	0.50	"	10.0		91.0	76-130			
Ethyl tert-butyl ether	9.09	0.50	"	10.0		90.9	61-141			
tert-Amyl methyl ether	9.31	0.50	"	10.0		93.1	56-140			
1,2-Dichloroethane	9.61	0.50	"	10.0		96.1	77-136			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	77-132			
Benzene	9.45	0.50	"	10.0		94.5	78-124			
Toluene	9.69	0.50	"	10.0		96.9	78-129			
Ethylbenzene	10.3	0.50	"	10.0		103	84-117			
Xylenes (total)	30.8	0.50	"	30.0		103	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.73*		"	*5.00*		*94.6*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

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 3I25002 - EPA 5030B P/T										
Laboratory Control Sample (3I25002-BS2)				Prepared & Analyzed: 09/25/03						
Gasoline Range Organics (C6-C10)	340	50	ug/l	440		77.3	70-113			
Surrogate: 1,2-Dichloroethane-d4	*4.65*		"	*5.00*		*93.0*	*78-129*			
Matrix Spike (3I25002-MS1)	**Source: MMI0441-09**			Prepared & Analyzed: 09/25/03						
Methyl tert-butyl ether	79.8	5.0	ug/l	101	ND	79.0	63-137			
Benzene	54.5	5.0	"	64.8	ND	84.1	78-124			
Toluene	312	5.0	"	297	1.0	105	78-129			
Ethylbenzene	76.7	5.0	"	72.0	ND	107	84-117			
Xylenes (total)	377	5.0	"	337	ND	112	83-125			
Gasoline Range Organics (C6-C10)	3370	500	"	4400	ND	76.6	70-113			
Surrogate: 1,2-Dichloroethane-d4	*4.87*		"	*5.00*		*97.4*	*78-129*			
Matrix Spike (3I25002-MS2)	**Source: MMI0441-09**			Prepared & Analyzed: 09/25/03						
Ethanol	1850	1000	ug/l	2000	ND	92.5	31-186			
tert-Butyl alcohol	602	200	"	500	ND	120	0-206			
Methyl tert-butyl ether	98.6	5.0	"	100	ND	98.6	63-137			
Di-isopropyl ether	102	5.0	"	100	ND	102	76-130			
Ethyl tert-butyl ether	102	5.0	"	100	ND	102	61-141			
tert-Amyl methyl ether	101	5.0	"	100	ND	101	56-140			
1,2-Dichloroethane	103	5.0	"	100	ND	103	77-126			
1,2-Dibromoethane (EDB)	109	5.0	"	100	ND	109	77-132			
Benzene	102	5.0	"	100	ND	102	78-124			
Toluene	104	5.0	"	100	1.0	103	78-129			
Ethylbenzene	102	5.0	"	100	ND	102	84-117			
Xylenes (total)	306	5.0	"	300	ND	102	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.89*		"	*5.00*		*97.8*	*78-129*			
Matrix Spike Dup (3I25002-MSD1)	**Source: MMI0441-09**			Prepared & Analyzed: 09/25/03						
Methyl tert-butyl ether	72.7	5.0	ug/l	101	ND	72.0	63-137	9.31	13	
Benzene	55.8	5.0	"	64.8	ND	86.1	78-124	2.36	12	
Toluene	324	5.0	"	297	1.0	109	78-129	3.77	10	
Ethylbenzene	77.7	5.0	"	72.0	ND	108	84-117	1.30	10	
Xylenes (total)	380	5.0	"	337	ND	113	83-125	0.793	11	
Gasoline Range Organics (C6-C10)	3530	500	"	4400	ND	80.2	70-113	4.64	9	
Surrogate: 1,2-Dichloroethane-d4	*4.89*		"	*5.00*		*97.8*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

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 3I25002 - EPA 5030B P/T										
Matrix Spike Dup (3I25002-MSD2)	**Source: MMI0441-09**			Prepared & Analyzed: 09/25/03						
Ethanol	1700	1000	ug/l	2000	ND	85.0	31-186	8.45	37	
tert-Butyl alcohol	574	200	"	500	ND	115	0-206	4.76	22	
Methyl tert-butyl ether	109	5.0	"	100	ND	109	63-137	10.0	13	
Di-isopropyl ether	100	5.0	"	100	ND	100	76-130	1.98	9	
Ethyl tert-butyl ether	101	5.0	"	100	ND	101	61-141	0.985	9	
tert-Amyl methyl ether	100	5.0	"	100	ND	100	56-140	0.995	12	
1,2-Dichloroethane	104	5.0	"	100	ND	104	77-126	0.966	13	
1,2-Dibromoethane (EDB)	110	5.0	"	100	ND	110	77-132	0.913	9	
Benzene	100	5.0	"	100	ND	100	78-124	1.98	12	
Toluene	100	5.0	"	100	1.0	99.0	78-129	3.92	10	
Ethylbenzene	102	5.0	"	100	ND	102	84-117	0.00	10	
Xylenes (total)	304	5.0	"	300	ND	101	83-125	0.656	11	
Surrogate: 1,2-Dichloroethane-d4	*4.85*		"	*5.00*		*97.0*	*78-129*			
Batch 3I26001 - EPA 5030B P/T										
Blank (3I26001-BLK1)				Prepared & Analyzed: 09/26/03						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.80*		"	*5.00*		*96.0*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

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 3I26001 - EPA 5030B P/T										
Laboratory Control Sample (3I26001-BS1)				Prepared & Analyzed: 09/26/03						
Ethanol	181	100	ug/l	200		90.5	31-186			
tert-Butyl alcohol	48.4	20	"	50.0		96.8	0-206			
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	63-137			
Di-isopropyl ether	9.80	0.50	"	10.0		98.0	76-130			
Ethyl tert-butyl ether	9.77	0.50	"	10.0		97.7	61-141			
tert-Amyl methyl ether	9.76	0.50	"	10.0		97.6	56-140			
1,2-Dichloroethane	10.1	0.50	"	10.0		101	77-136			
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0		108	77-132			
Benzene	9.92	0.50	"	10.0		99.2	78-124			
Toluene	10.2	0.50	"	10.0		102	78-129			
Ethylbenzene	10.3	0.50	"	10.0		103	84-117			
Xylenes (total)	30.5	0.50	"	30.0		102	83-125			
Surrogate: 1,2-Dichloroethane-d4	*4.83*		*"*	*5.00*		*96.6*	*78-129*			
Laboratory Control Sample (3I26001-BS2)				Prepared & Analyzed: 09/26/03						
Gasoline Range Organics (C6-C10)	324	50	ug/l	440		73.6	70-113			
Surrogate: 1,2-Dichloroethane-d4	*4.97*		*"*	*5.00*		*99.4*	*78-129*			
Laboratory Control Sample Dup (3I26001-BSD1)				Prepared & Analyzed: 09/26/03						
Ethanol	142	100	ug/l	200		71.0	31-186	24.1	37	
tert-Butyl alcohol	47.2	20	"	50.0		94.4	0-206	2.51	22	
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	63-137	0.00	13	
Di-isopropyl ether	9.82	0.50	"	10.0		98.2	76-130	0.204	9	
Ethyl tert-butyl ether	9.89	0.50	"	10.0		98.9	61-141	1.22	9	
tert-Amyl methyl ether	9.44	0.50	"	10.0		94.4	56-140	3.33	12	
1,2-Dichloroethane	9.91	0.50	"	10.0		99.1	77-136	1.90	13	
1,2-Dibromoethane (EDB)	10.3	0.50	"	10.0		103	77-132	4.74	9	
Benzene	9.68	0.50	"	10.0		96.8	78-124	2.45	12	
Toluene	9.70	0.50	"	10.0		97.0	78-129	5.03	10	
Ethylbenzene	9.67	0.50	"	10.0		96.7	84-117	6.31	10	
Xylenes (total)	28.9	0.50	"	30.0		96.3	83-125	5.39	11	
Surrogate: 1,2-Dichloroethane-d4	*4.81*		*"*	*5.00*		*96.2*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

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 3I26001 - EPA 5030B P/T										
Laboratory Control Sample Dup (3I26001-BSD2)				Prepared & Analyzed: 09/26/03						
Gasoline Range Organics (C6-C10)	348	50	ug/l	440		79.1	70-113	7.14	9	
Surrogate: 1,2-Dichloroethane-d4	*4.89*		"	*5.00*		*97.8*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #608, San Lorenzo, CA	MMI0441
500 12th Street, Suite 200	Project Number: INTRIM-50715	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/30/03 09:41

Notes and Definitions

A-01	The result exceeds the client criteria for the method blank.
O-12	"The continuing calibration verification was outside of client contractual acceptance limits by low 3.1%. However, it was within method acceptance limits. The data should still be useful for its intended purpose."
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

030915-BAI Page 1 of 2

Chain of Custody Record

Project Name 0608 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT
MNI0491

Date: 9/15/03

On-site Time:	0800 Temp: 57
Off-site Time:	1600 Temp: 75
Sky Conditions:	Partly Cloudy
Meteorological Events:	
Wind Speed:	1-2 mph Direction: S

Send To:	
Lab Name:	SEQUOIA
Lab Address:	885 Jarvis Dr.
	Morgan Hill, CA 95037
Lab PM	Theresa Allen
Tele/Fax:	408-778-9600 / 408-782-6308
Report Type & QC Level:	1 Send EDF Reports
BP/GEM Account No.:	

BP/GEM Facility No.:	ARCO 608
BP/GEM Facility Address:	17601 HESPERIAN BL, SAN LORENZO, CA
Site ID No.	ARCO 608
Site Lat/Long:	
California Global ID #:	T0600100085
BP/GEM PM Contact:	PAUL SUPPLE
Address:	P.O. Box 6549
	Moraga, CA 94570
Tele/Fax:	925-299-8891/925-299-8872

Consultant/Contractor:	URS
Address:	500 12th St., Ste. 200
	Oakland, CA 94609-4014
e-mail EDD:	donna_cosper@URSCorp.com
Consultant/Contractor Project No.:	35-00000608.01 00427
Consultant Tele/Fax:	510-893-3600/510-874-3268
Consultant/Contractor PM:	Scott Robinson
Invoice to:	Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Work Release No:	INTRIM -50715

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analysis: TPH-G / BTEX (8015/8021/8260)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE, DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-5	1630		X			01	6				X	X				X		X	
2	MW-8	1415		X			02	3				X	X				X		X	
3	MW-9	1300		X			03	3				X	X				X		X	
4	MW-10	1330		X			04	3				X	X				X		X	
5	MW-11	1155		X			05	3				X	X				X		X	
6	E-W (MW-12)	1505		X			06	3				X	X				X		X	
7	MW-15	1130		X			07	3				X	X				X		X	
8	MW-16	1105		X			08	3				X	X				X		X	
9	MW-22	1015		X			09	3				X	X				X		X	
10	MW-26	1440		X			10	3				X	X				X		X	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Brian Allen		9/15/03	1430		9/15/03	1450
Sampler's Company: Blaine Tech Services		9/16/03	1535		9/16/03	1535
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

Custody Seals In Place Yes ___ No X Temperature Blank Yes ___ No X Cooler Temperature on Receipt 0 °F/C Trip Blank Yes ___ No X

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

BP COC Rev. 1 2/502

030915BA1 Page 2 of 2

Chain of Custody Record

bp

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

MMD491

Date: 9/15/03

On-site Time:	0800 Temp: 67
Off-site Time:	1600 Temp: 75
Sky Conditions:	Partly Cloudy
Meteorological Events:	
Wind Speed:	1-2 mph Direction: S

Send To:	BP/GEM Facility No.: ARCO 608	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 17601 HESPERIAN BL, SAN LORENZO, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 608	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #: T0600100085	Consultant/Contractor Project No.: 35-00000608.01 00427
Lab PM Theresa Allen	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50715

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX 8015/8021/8260	Requested Analysis: TPH -D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	642H	1345		X			"	3				X	X				X		X	
2	1737 2VM	0825		X			"	3				X	X				X		X	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Sampler's Name: Brian Allgood	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Blaine Tech Services		9/16/03	1430		9/16/03 1430
Shipment Date:		9/16/03	1535		9/16/03 1535
Shipment Method:					
Shipment Tracking No:					

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

Seals In Place Yes ___ No X Temperature Blank Yes ___ No X Cooler Temperature on Receipt 6 °F/C Trip Blank Yes ___ No X

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

BP COC Rev. 1 2/502

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: bp
REC. BY (PRINT): AD
WORKORDER: MM10441

DATE REC'D AT LAB: 9/16/03
TIME REC'D AT LAB: 1535
DATE LOGGED IN: 9-17-03

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s): Present / Absent; Intact / Broken*			MW-5	(6) VOAs	HCl	L	9/16/03	
			-8	(3) VOAs				
2. Chain-of-Custody: Present / Absent*			-9					
3. Traffic Reports or Packing List: Present / Absent			-10					
			-11					
4. Airbill: Airbill / Sticker Present / Absent			E-1A (MW-12)					
			MW-1S					
5. Airbill #:			-16					
6. Sample Labels: Present / Absent			-22					
7. Sample IDs: Listed / Not Listed on Chain-of-Custody			-25					
			642H					
8. Sample Condition: Intact / Broken* / Leaking*			17-372VM					
9. Does information on custody reports, traffic reports and sample labels agree? Yes / No*								
10. Sample received within hold time: Yes / No*								
11. Proper Preservatives used: Yes / No*								
12. Temp Rec. at Lab: 6°C; Is temp 4 +/-2°C? Yes / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): Metals / DFF (Direct From Field) or Problem COC

AD 9/16/03

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

Sequoia Analytical

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11 August, 2003

Scott Robinson
URS Corp. - Oakland
500 12th St. Suite 200
Oakland, CA 94607

RE: Arco Site #608, San Lorenzo, CA
Work Order: P307491

Enclosed are the results of analyses for samples received by the laboratory on 07/24/03 16:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Project Manager

CA ELAP Certificate #2374

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
INFL	P307491-01	Water	07/24/03 11:45	07/24/03 16:50
MID-1	P307491-02	Water	07/24/03 11:40	07/24/03 16:50
MID-2	P307491-03	Water	07/24/03 11:35	07/24/03 16:50
EFFL	P307491-04	Water	07/24/03 11:30	07/24/03 16:50

These samples were not received with custody seals.

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INFL (P307491-01) Water Sampled: 07/24/03 11:45 Received: 07/24/03 16:50									
Gasoline Range Organics	**51**	50	ug/l	1	3070646	07/30/03	07/30/03	EPA 8015B/8021B	HC-19
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**41**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*65-135*		"	"	"	"	
MID-1 (P307491-02) Water Sampled: 07/24/03 11:40 Received: 07/24/03 16:50									
Gasoline Range Organics	ND	50	ug/l	1	3070646	07/30/03	07/30/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*65-135*		"	"	"	"	
MID-2 (P307491-03) Water Sampled: 07/24/03 11:35 Received: 07/24/03 16:50									
Gasoline Range Organics	ND	50	ug/l	1	3070646	07/30/03	07/30/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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www.sequoialabs.com

URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	Reported:
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P307491-04) Water Sampled: 07/24/03 11:30 Received: 07/24/03 16:50									
Gasoline Range Organics	ND	50	ug/l	1	3070646	07/30/03	07/30/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86 %*	*65-135*		"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INFL (P307491-01) Water Sampled: 07/24/03 11:45 Received: 07/24/03 16:50									
Methyl tert-butyl ether	47	2.5	ug/l	5	3070683	07/31/03	07/31/03	EPA 8260B	
Surrogate: Dibromofluoromethane		*103 %*		*84-122*	"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P307491-04) Water Sampled: 07/24/03 11:30 Received: 07/24/03 16:50									
Chemical Oxygen Demand	ND	20000	ug/l	1	3080122	08/07/03	08/07/03	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	3070615	07/29/03	07/29/03	EPA 160.2	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3070646 - EPA 5030, waters										
Blank (3070646-BLK1)				Prepared & Analyzed: 07/30/03						
Gasoline Range Organics	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*302*		"	*300*		*101*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*270*		"	*300*		*90*	*65-135*			
Laboratory Control Sample (3070646-BS1)				Prepared & Analyzed: 07/30/03						
Gasoline Range Organics	2210	50	ug/l	2750		80	65-135			
Benzene	39.9	0.50	"	40.0		100	65-135			
Toluene	216	0.50	"	186		116	65-135			
Ethylbenzene	48.7	0.50	"	47.0		104	65-135			
Xylenes (total)	234	0.50	"	210		111	65-135			
Methyl tert-butyl ether	63.9	2.5	"	62.0		103	65-135			
Surrogate: a,a,a-Trifluorotoluene	*340*		"	*300*		*113*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*292*		"	*300*		*97*	*65-135*			
Matrix Spike (3070646-MS1)	**Source: P307491-04**			Prepared & Analyzed: 07/30/03						
Gasoline Range Organics	2120	50	ug/l	2750	ND	77	65-135			
Benzene	35.5	0.50	"	40.0	ND	89	65-135			
Toluene	190	0.50	"	186	0.16	102	65-135			
Ethylbenzene	44.1	0.50	"	47.0	ND	94	65-135			
Xylenes (total)	212	0.50	"	210	0.42	101	65-135			
Methyl tert-butyl ether	57.8	2.5	"	62.0	0.67	92	65-135			
Surrogate: a,a,a-Trifluorotoluene	*305*		"	*300*		*102*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*281*		"	*300*		*94*	*65-135*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3070646 - EPA 5030, waters										
Matrix Spike Dup (3070646-MSD1)	**Source: P307491-04**			Prepared & Analyzed: 07/30/03						
Gasoline Range Organics	2100	50	ug/l	2750	ND	76	65-135	0.9	20	
Benzene	35.8	0.50	"	40.0	ND	90	65-135	0.8	20	
Toluene	193	0.50	"	186	0.16	104	65-135	2	20	
Ethylbenzene	44.9	0.50	"	47.0	ND	96	65-135	2	20	
Xylenes (total)	216	0.50	"	210	0.42	103	65-135	2	20	
Methyl tert-butyl ether	59.7	2.5	"	62.0	0.67	95	65-135	3	20	
Surrogate: a,a,a-Trifluorotoluene	*311*		"	*300*		*104*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*289*		"	*300*		*96*	*65-135*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3070683 - EPA 5030 waters										
Blank (3070683-BLK1)				Prepared & Analyzed: 07/31/03						
Methyl tert-butyl ether	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	*4.69*		"	*5.00*		*94*	*84-122*			
Laboratory Control Sample (3070683-BS1)				Prepared & Analyzed: 07/31/03						
Methyl tert-butyl ether	4.75	0.50	ug/l	5.00		95	77-123			
Surrogate: Dibromofluoromethane	*4.95*		"	*5.00*		*99*	*84-122*			
Matrix Spike (3070683-MS1)	**Source: P307349-02**			Prepared & Analyzed: 07/31/03						
Methyl tert-butyl ether	6.33	0.50	ug/l	5.00	1.5	97	77-123			
Surrogate: Dibromofluoromethane	*4.96*		"	*5.00*		*99*	*84-122*			
Matrix Spike Dup (3070683-MSD1)	**Source: P307349-02**			Prepared & Analyzed: 07/31/03						
Methyl tert-butyl ether	6.16	0.50	ug/l	5.00	1.5	93	77-123	3	20	
Surrogate: Dibromofluoromethane	*5.05*		"	*5.00*		*101*	*84-122*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3070615 - General Preparation										
Blank (3070615-BLK1)				Prepared & Analyzed: 07/29/03						
Total Suspended Solids	ND	10000	ug/l							
Duplicate (3070615-DUP1)	**Source: P307491-04**			Prepared & Analyzed: 07/29/03						
Total Suspended Solids	ND	10000	ug/l		ND				20	
Batch 3080122 - General Preparation										
Blank (3080122-BLK1)				Prepared & Analyzed: 08/07/03						
Chemical Oxygen Demand	ND	20000	ug/l							
Laboratory Control Sample (3080122-BS1)				Prepared & Analyzed: 08/07/03						
Chemical Oxygen Demand	255000	20000	ug/l	250000		102	80-120			
Matrix Spike (3080122-MS1)	**Source: P307485-13**			Prepared & Analyzed: 08/07/03						
Chemical Oxygen Demand	668000	20000	ug/l	500000	130000	108	75-125			
Matrix Spike Dup (3080122-MSD1)	**Source: P307485-13**			Prepared & Analyzed: 08/07/03						
Chemical Oxygen Demand	630000	20000	ug/l	500000	130000	100	75-125	6	20	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P307491
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	08/11/03 11:41

Notes and Definitions

HC-19	Discrete peak @ C-5.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

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

Date: 7/24/03
Requested Due Date: 8/7/03
(mm/dd/yy - 2 weeks from sampling date)

On-site Time:	0700 Temp: 72
Off- site Time:	Temp:
Sky Conditions:	Sunny Clear
Meteorological Events:	None
Wind Speed:	n/a Direction: n/a

Send To:	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Name: Sequoia - Petaluma	BP/GEM Facility Address: 18501 Hesparian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Lab Address: 1455 N. McDowell Blvd.	Site ID No. Station 608	Oakland, CA 94607
Suite D	California Global ID #:T0600101665	e-mail EDD: NO EDD
Petaluma, CA 95954	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486167.00327
Lab PM: Angelee Cari	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Tele/Fax: 707-792-7527/ 707-792-0342	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
Report Type & QC Level: 1		Invoice to: Atlantic Richfield Company
BP/GEM Account No.:		BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Field Point ID	Sample ID	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analysis: TPH-g (8015)	BTEX (8021)	MTBE (8021)	COD	TSS					Sample Point Lat/Long and Comments
1	INFL	INFL	1145		X			P307491-1	3				X			X	X	X							
2	MID-1	MID-1	1140		X			-2	3				X			X	X	X							
3	MID-2	MID-2	1135		X			-3	3				X			X	X	X							
4	EFFL	EFFL	1130		X			-4	7	X	X		X			X	X	X	X	X					
5																									
6																									
7																									
8																									
9																									
10																									

COOLER CUSTODY SEALS INTACT
NOT INTACT
COOLER TEMPERATURE 2.5°

Sampler's Name: George Bradshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: URS Oakland		7/24/03	1650	Michael Cosin/Seq WC	7/24/03	1659
Shipment Date:	Michael Cosin				7/25/03	1600
Shipment Method: Hand Deliver						
Shipment Tracking No:						

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

Custody Seals In Place Yes ___ No x Temperature Blank Yes ___ No x Cooler Temperature on Receipt 15 °F/C Trip Blank Yes ___ No x

on ice - W.C.

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT) SA
WORKORDER: 307491

DATE Received at Lab: 7/25/03
TIME Received at Lab: 1400
LOG IN DATE: 7/26/03

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s)	Present / (Absent)			Inf 1	3xPV	W	7/24/03	
	Intact / Broken*			Mid-1	↓	↓	↓	
2. Chain-of-Custody	(Present) / Absent*			2	↓	↓	↓	
3. Traffic Reports or Packing List:	Present / (Absent)			Eff 1	3xPV	↓	↓	
4. Airbill:	Airbill / Sticker			↓	1xAVH2SO4	↓	↓	
	Present / (Absent)				1LP			
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 custody reports, traffic reports and sample labels agree?	(Yes) / No*							
10. Sample received within hold time:	(Yes) / No*							
11. Proper Preservatives used:	(Yes) / No*							
12. Temp Rec. at Lab: 2.0 (Acceptance range for samples requiring thermal pres.:4+/-2°C)	(Yes) / No*							

SA 7/25/03

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

Sequoia Analytical

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12 September, 2003

Scott Robinson
URS Corp. - Oakland
500 12th St. Suite 200
Oakland, CA 94607

RE: Arco Site #608, San Lorenzo, CA
Work Order: P308574

Enclosed are the results of analyses for samples received by the laboratory on 08/28/03 11:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Project Manager

CA ELAP Certificate #2374

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
INFL	P308574-01	Water	08/28/03 09:20	08/28/03 11:45
MID-1	P308574-02	Water	08/28/03 09:15	08/28/03 11:45
MID-2	P308574-03	Water	08/28/03 09:10	08/28/03 11:45
EFFL	P308574-04	Water	08/28/03 09:00	08/28/03 11:45

Samples were not received with custody seals.

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INFL (P308574-01) Water Sampled: 08/28/03 09:20 Received: 08/28/03 11:45									
Gasoline Range Organics	ND	50	ug/l	1	3090142	09/08/03	09/08/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**30**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
MID-1 (P308574-02) Water Sampled: 08/28/03 09:15 Received: 08/28/03 11:45									
Gasoline Range Organics	ND	50	ug/l	1	3090142	09/08/03	09/08/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*65 %*	*65-135*		"	"	"	"	
MID-2 (P308574-03) Water Sampled: 08/28/03 09:10 Received: 08/28/03 11:45									
Gasoline Range Organics	ND	50	ug/l	1	3090142	09/08/03	09/08/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P308574-04) Water Sampled: 08/28/03 09:00 Received: 08/28/03 11:45									
Gasoline Range Organics	ND	50	ug/l	1	3090142	09/08/03	09/08/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*		*65-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79 %*		*65-135*	"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INFL (P308574-01) Water Sampled: 08/28/03 09:20 Received: 08/28/03 11:45									
Methyl tert-butyl ether	**40**	0.50	ug/l	1	3090260	09/10/03	09/10/03	EPA 8260B	
Surrogate: Dibromofluoromethane		*107 %*	*84-122*		"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P308574-04) Water	**Sampled: 08/28/03 09:00**	**Received: 08/28/03 11:45**							
Chemical Oxygen Demand	ND	20	mg/l	1	3090256	09/11/03	09/11/03	EPA 410.4	
Total Suspended Solids	ND	10	"	"	3080626	08/29/03	08/29/03	EPA 160.2	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3090142 - EPA 5030, waters										
Blank (3090142-BLK1)				Prepared & Analyzed: 09/08/03						
Gasoline Range Organics	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*299*		"	*300*		*100*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*274*		"	*300*		*91*	*65-135*			
Laboratory Control Sample (3090142-BS1)				Prepared & Analyzed: 09/08/03						
Gasoline Range Organics	2290	50	ug/l	2750		83	65-135			
Benzene	40.7	0.50	"	34.0		120	65-135			
Toluene	217	0.50	"	208		104	65-135			
Ethylbenzene	49.1	0.50	"	47.0		104	65-135			
Xylenes (total)	236	0.50	"	241		98	65-135			
Methyl tert-butyl ether	72.6	2.5	"	56.0		130	65-135			
Surrogate: a,a,a-Trifluorotoluene	*335*		"	*300*		*112*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*286*		"	*300*		*95*	*65-135*			
Matrix Spike (3090142-MS1)	**Source: P308574-04**			Prepared & Analyzed: 09/08/03						
Gasoline Range Organics	2250	50	ug/l	2750	ND	82	65-135			
Benzene	38.6	0.50	"	34.0	ND	114	65-135			
Toluene	205	0.50	"	208	0.19	98	65-135			
Ethylbenzene	46.9	0.50	"	47.0	ND	100	65-135			
Xylenes (total)	228	0.50	"	241	0.43	94	65-135			
Methyl tert-butyl ether	62.2	2.5	"	56.0	0.41	110	65-135			
Surrogate: a,a,a-Trifluorotoluene	*317*		"	*300*		*106*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*287*		"	*300*		*96*	*65-135*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3090142 - EPA 5030, waters										
Matrix Spike Dup (3090142-MSD1)	**Source: P308574-04**			Prepared & Analyzed: 09/08/03						
Gasoline Range Organics	2250	50	ug/l	2750	ND	82	65-135	0	20	
Benzene	37.6	0.50	"	34.0	ND	111	65-135	3	20	
Toluene	204	0.50	"	208	0.19	98	65-135	0.5	20	
Ethylbenzene	46.9	0.50	"	47.0	ND	100	65-135	0	20	
Xylenes (total)	228	0.50	"	241	0.43	94	65-135	0	20	
Methyl tert-butyl ether	63.6	2.5	"	56.0	0.41	113	65-135	2	20	
Surrogate: a,a,a-Trifluorotoluene	*313*		"	*300*		*104*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*289*		"	*300*		*96*	*65-135*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3090260 - EPA 5030 waters										
Blank (3090260-BLK1)				Prepared & Analyzed: 09/10/03						
Methyl tert-butyl ether	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	*4.88*		"	*4.50*		*108*	*84-122*			
Laboratory Control Sample (3090260-BS1)				Prepared & Analyzed: 09/10/03						
Methyl tert-butyl ether	4.94	0.50	ug/l	5.00		99	77-123			
Surrogate: Dibromofluoromethane	*4.90*		"	*4.50*		*109*	*84-122*			
Laboratory Control Sample Dup (3090260-BSD1)				Prepared & Analyzed: 09/10/03						
Methyl tert-butyl ether	5.03	0.50	ug/l	5.00		101	77-123	2	20	
Surrogate: Dibromofluoromethane	*4.97*		"	*4.50*		*110*	*84-122*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080626 - General Preparation										
Blank (3080626-BLK1)				Prepared & Analyzed: 08/29/03						
Total Suspended Solids	ND	10	mg/l							
Duplicate (3080626-DUP1)	**Source: P308572-01**			Prepared & Analyzed: 08/29/03						
Total Suspended Solids	12.0	10	mg/l		13			8	20	
Batch 3090256 - General Preparation										
Blank (3090256-BLK1)				Prepared & Analyzed: 09/11/03						
Chemical Oxygen Demand	ND	20	mg/l							
Laboratory Control Sample (3090256-BS1)				Prepared & Analyzed: 09/11/03						
Chemical Oxygen Demand	242	20	mg/l	250		97	80-120			
Matrix Spike (3090256-MS1)	**Source: P308574-04**			Prepared & Analyzed: 09/11/03						
Chemical Oxygen Demand	463	20	mg/l	500	ND	93	75-125			
Matrix Spike Dup (3090256-MSD1)	**Source: P308574-04**			Prepared & Analyzed: 09/11/03						
Chemical Oxygen Demand	450	20	mg/l	500	ND	90	75-125	3	20	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P308574
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	09/12/03 13:04

Notes and Definitions

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

P508574 revised Revised

bp

Chain of Custody Record (9/3/03)

Project Name: Station 608 - 18501 Hesperian Blvd, San Lorenzo, CA

Business Unit: Atlantic Richfield Company/Northern CA Portfolio

BP Laboratory Contract Number: 4 6 1 0 4 8

Requested Due Date: 9/11/03 (mm/dd/yy - 2 weeks from sampling date)

Date: 9/[illegible]/03

On-site Time: 0820	Temp: 65
Off-site Time: 1000	Temp: 68
Sky Conditions: [illegible]	
Meteorological Events: None	
Wind Speed: n/a	Direction: n/a

Send To:		
Lab Name: Sequoia - Petaluma	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Address: 1455 N. McDowell Blvd. Suite D Petaluma, CA 95954	BP/GEM Facility Address: 18501 Hesperian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200 Oakland, CA 94607
	Site ID No. Station 608	e-mail EDD: NO EDD
	California Global ID #:T0600101665	
Lab PM: Angelica Cruz	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486167.00327
Tele/Fax: 707-792-7528 / 707-792-0342	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Report Type & QC Level: 2	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
BP/GEM Account No.:		Invoice to: Atlantic Richfield Company
Lab Bottle Order No:		BP/GEM Work Release No:

Item No.	Field Point ID	Sample ID	Time	Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Unpreserved	H_2SO_4	HNO_3	HCl			TPH-g (8015)	BTEX (8021) (8260)	MTBE (8021) (8260)	COD	TSS	Fuel OXO (8260)					Sample Point Lat/Long and Comments
1	INFL	INFL	0920		X				3				X			X	X	X			X					
2	MID-1	MID-1	0915		X				3				X			X	X	X			X					
3	MID-2	MID-2	0910		X				3				X			X	X	X			X					
4	EFL	EFL	0900		X				7	X	X		X			X	X	X	X	X	X					
5																										
6																										
7																										
8																										
9																										
10																										

Sampler's Name: George Bradshaw

Sampler's Company: URS Oakland

Shipment Date:

Shipment Method: Hand Deliver

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	9/[illegible]	11:45	[signature] Sequoia	[illegible]	[illegible]

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

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

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10 October, 2003

Scott Robinson
URS Corp. - Oakland
500 12th St. Suite 200
Oakland, CA 94607

RE: Arco Site #608, San Lorenzo, CA
Work Order: P309509

Enclosed are the results of analyses for samples received by the laboratory on 09/25/03 13:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Project Manager

CA ELAP Certificate #2374

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
INFL	P309509-01	Water	09/25/03 10:00	09/25/03 13:00
MID-1	P309509-02	Water	09/25/03 09:55	09/25/03 13:00
MID-2	P309509-03	Water	09/25/03 09:50	09/25/03 13:00
EFFL	P309509-04	Water	09/25/03 09:40	09/25/03 13:00

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INFL (P309509-01) Water Sampled: 09/25/03 10:00 Received: 09/25/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3100134	10/07/03	10/07/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**28**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*65-135*		"	"	"	"	
MID-1 (P309509-02) Water Sampled: 09/25/03 09:55 Received: 09/25/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3100134	10/07/03	10/07/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*65-135*		"	"	"	"	
MID-2 (P309509-03) Water Sampled: 09/25/03 09:50 Received: 09/25/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3100134	10/07/03	10/07/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P309509-04) Water Sampled: 09/25/03 09:40 Received: 09/25/03 13:00									
Gasoline Range Organics	ND	50	ug/l	1	3100134	10/07/03	10/07/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INFL (P309509-01) Water Sampled: 09/25/03 10:00 Received: 09/25/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3100167	10/08/03	10/08/03	EPA 8260B	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*84-119*		"	"	"	"	
MID-1 (P309509-02) Water Sampled: 09/25/03 09:55 Received: 09/25/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3100167	10/08/03	10/08/03	EPA 8260B	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*122 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*84-119*		"	"	"	"	
MID-2 (P309509-03) Water Sampled: 09/25/03 09:50 Received: 09/25/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3100167	10/08/03	10/08/03	EPA 8260B	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*119 %*	*84-122*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*74-135*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*84-119*		"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P309509-04) Water Sampled: 09/25/03 09:40 Received: 09/25/03 13:00									
Tert-amyl methyl ether	ND	1.0	ug/l	1	3100167	10/08/03	10/08/03	EPA 8260B	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*84-122*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*74-135*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*84-119*	"	"	"	"	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P309509-04) Water	**Sampled: 09/25/03 09:40**	**Received: 09/25/03 13:00**							
Chemical Oxygen Demand	ND	20000	ug/l	1	3100181	10/08/03	10/09/03	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	3100028	10/01/03	10/01/03	EPA 160.2	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3100134 - EPA 5030, waters										
Blank (3100134-BLK1)				Prepared & Analyzed: 10/07/03						
Gasoline Range Organics	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*296*		"	*300*		*99*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*272*		"	*300*		*91*	*65-135*			
Laboratory Control Sample (3100134-BS1)				Prepared & Analyzed: 10/07/03						
Gasoline Range Organics	2220	50	ug/l	2750		81	65-135			
Benzene	38.5	0.50	"	34.0		113	65-135			
Toluene	203	0.50	"	208		98	65-135			
Ethylbenzene	46.4	0.50	"	47.0		99	65-135			
Xylenes (total)	226	0.50	"	241		94	65-135			
Methyl tert-butyl ether	62.3	2.5	"	56.0		111	65-135			
Surrogate: a,a,a-Trifluorotoluene	*319*		"	*300*		*106*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*295*		"	*300*		*98*	*65-135*			
Matrix Spike (3100134-MS1)	**Source: P309509-04**			Prepared & Analyzed: 10/07/03						
Gasoline Range Organics	2180	50	ug/l	2750	ND	79	65-135			
Benzene	39.1	0.50	"	34.0	ND	115	65-135			
Toluene	218	0.50	"	208	ND	105	65-135			
Ethylbenzene	49.0	0.50	"	47.0	ND	104	65-135			
Xylenes (total)	238	0.50	"	241	0.36	99	65-135			
Methyl tert-butyl ether	64.1	2.5	"	56.0	0.41	114	65-135			
Surrogate: a,a,a-Trifluorotoluene	*325*		"	*300*		*108*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*282*		"	*300*		*94*	*65-135*			

Sequoia Analytical

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

URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3100134 - EPA 5030, waters										
Matrix Spike Dup (3100134-MSD1)	**Source: P309509-04**			Prepared & Analyzed: 10/07/03						
Gasoline Range Organics	2080	50	ug/l	2750	ND	76	65-135	5	20	
Benzene	37.9	0.50	"	34.0	ND	111	65-135	3	20	
Toluene	208	0.50	"	208	ND	100	65-135	5	20	
Ethylbenzene	46.2	0.50	"	47.0	ND	98	65-135	6	20	
Xylenes (total)	223	0.50	"	241	0.36	92	65-135	7	20	
Methyl tert-butyl ether	53.4	2.5	"	56.0	0.41	95	65-135	18	20	
Surrogate: a,a,a-Trifluorotoluene	*332*		"	*300*		*111*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*263*		"	*300*		*88*	*65-135*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3100167 - EPA 5030 waters										
Blank (3100167-BLK1)				Prepared & Analyzed: 10/08/03						
Tert-amyl methyl ether	ND	1.0	ug/l							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Surrogate: Dibromofluoromethane	*6.08*		"	*6.00*		*101*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*6.20*		"	*6.00*		*103*	*74-135*			
Surrogate: Toluene-d8	*6.16*		"	*6.00*		*103*	*84-119*			
Laboratory Control Sample (3100167-BS1)				Prepared & Analyzed: 10/08/03						
Tert-amyl methyl ether	4.85	1.0	ug/l	5.00		97	70-116			
Tert-butyl alcohol	86.9	20	"	100		87	62-142			
Di-isopropyl ether	4.89	1.0	"	5.00		98	71-121			
1,2-Dibromoethane (EDB)	5.32	0.50	"	5.00		106	92-117			
1,2-Dichloroethane	5.10	0.50	"	5.00		102	79-126			
Ethanol	86.9	100	"	100		87	65-135			
Ethyl tert-butyl ether	4.94	1.0	"	5.00		99	71-110			
Methyl tert-butyl ether	4.94	0.50	"	5.00		99	77-123			
Surrogate: Dibromofluoromethane	*6.44*		"	*6.00*		*107*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*6.29*		"	*6.00*		*105*	*74-135*			
Surrogate: Toluene-d8	*6.24*		"	*6.00*		*104*	*84-119*			
Laboratory Control Sample Dup (3100167-BSD1)				Prepared & Analyzed: 10/08/03						
Tert-amyl methyl ether	5.07	1.0	ug/l	5.00		101	70-116	4	20	
Tert-butyl alcohol	106	20	"	100		106	62-142	20	20	
Di-isopropyl ether	5.10	1.0	"	5.00		102	71-121	4	20	
1,2-Dibromoethane (EDB)	5.48	0.50	"	5.00		110	92-117	3	20	
1,2-Dichloroethane	5.32	0.50	"	5.00		106	79-126	4	20	
Ethanol	116	100	"	100		116	65-135	29	20	Q-29
Ethyl tert-butyl ether	5.17	1.0	"	5.00		103	71-110	5	20	
Methyl tert-butyl ether	5.11	0.50	"	5.00		102	77-123	3	20	
Surrogate: Dibromofluoromethane	*6.37*		"	*6.00*		*106*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*6.35*		"	*6.00*		*106*	*74-135*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3100167 - EPA 5030 waters										
Laboratory Control Sample Dup (3100167-BSD1)				Prepared & Analyzed: 10/08/03						
Surrogate: Toluene-d8	*6.15*		*ug/l*	*6.00*		*102*	*84-119*			

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3100028 - General Preparation										
Blank (3100028-BLK1)				Prepared & Analyzed: 10/01/03						
Total Suspended Solids	ND	10000	ug/l							
Duplicate (3100028-DUP1)	**Source: P309509-04**			Prepared & Analyzed: 10/01/03						
Total Suspended Solids	ND	10000	ug/l		ND				20	
Batch 3100181 - General Preparation										
Blank (3100181-BLK1)				Prepared: 10/08/03 Analyzed: 10/09/03						
Chemical Oxygen Demand	ND	20000	ug/l							
Laboratory Control Sample (3100181-BS1)				Prepared: 10/08/03 Analyzed: 10/09/03						
Chemical Oxygen Demand	244000	20000	ug/l	250000		98	80-120			
Matrix Spike (3100181-MS1)	**Source: P310118-04**			Prepared: 10/08/03 Analyzed: 10/09/03						
Chemical Oxygen Demand	544000	20000	ug/l	500000	71000	95	75-125			
Matrix Spike Dup (3100181-MSD1)	**Source: P310118-04**			Prepared: 10/08/03 Analyzed: 10/09/03						
Chemical Oxygen Demand	553000	20000	ug/l	500000	71000	96	75-125	2	20	

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URS Corp. - Oakland	Project: Arco Site #608, San Lorenzo, CA	P309509
500 12th St. Suite 200	Project Number: [none]	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	10/10/03 10:32

Notes and Definitions

Q-29	The percent recovery in the quality control analyte exceeded the upper control limit. Because there was no detectable amount of this compound in the associated sample, the result has been reported.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

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

Date: 9/05/03
Requested Due Date: 9/8/03
(mm/dd/yy - 2 weeks from sampling date)

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

Send To:	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Name: Sequoia - Petaluma	BP/GEM Facility Address: 18501 Hesparian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Lab Address: 1455 N. McDowell Blvd.	Site ID No. Station 608	Oakland, CA 94607
Suite D	California Global ID #:T0600101665	e-mail EDD: NO EDD
Petaluma, CA 95954	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486167.00327
Lab PM: Angelee Cari	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Tele/Fax: 707-792-7527/ 707-792-0342	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
Report Type & QC Level: 1		Invoice to: Atlantic Richfield Company
BP/GEM Account No.:		BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Field Point ID	Sample ID	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-g (8015)	BTEX (8021)	MTBE (8021)	COD	TSS	Fuel Oxy. (8260)	Sample Point Lat/Long and Comments
1	INFL	INFL	1000		X			P309501-1	3				X	X	X	X			X	
2	MID-1	MID-1	0955		X			-2	3				X	X	X	X			X	
3	MID-2	MID-2	0950		X			-3	3				X	X	X	X			X	
4	EFFL	EFFL	0940		X			-4	7	X	X		X	X	X	X	X	X	X	
5																				
6																				
7																				
8																				
9																				
10																				

Yes, Sample for Fuel Oxygenates on all samples. SB.

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 3.0 °c

Sampler's Name: George Bradshaw	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: URS Oakland		9/5/03	1300	Mike Carlin - WC	9-5-03	1307
Shipment Date:		9/5/03			9-5-03	1630
Shipment Method: Hand Deliver						
Shipment Tracking No:						

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

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT)
WORKORDER: 309509

DATE Received at Lab: 9-26-03
TIME Received at Lab: 1430
LOG IN DATE: 9/30/03

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

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s)	Present / (Absent)			INFL	x3V	Ww	9-25-03	
	Intact / Broken*			MID-1	↓	↓	↓	
2. Chain-of-Custody	(Present) / Absent*			2	↓	↓	↓	
3. Traffic Reports or Packing List:	Present / (Absent)			EFL	x3V	↓	↓	
4. Airbill:	Airbill / Sticker			↓	x3 DVH2804	↓	↓	
	Present / (Absent)				ICD			
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 custody reports, traffic reports and sample labels agree?	(Yes) / No*							
10. Sample received within hold time:	(Yes) / No*							
11. Proper Preservatives used:	(Yes) / No*							
12. Temp Rec. at Lab: 3.0								
(Acceptance range for samples requiring thermal pres.:4+/-2°C)	(Yes) / No*							

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

ATTACHMENT C

HISTORICAL GROUNDWATER DATA TABLES

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-5	††	03/13,14/96		33.99	9.75	24.24	1,600	30	<10	13	<10	NA	NM
		05/28,29/96			11.48	22.51	240	2.4	<0.50	<0.50	<0.50	NA	NM
		08/28/96			12.58	21.41	250	210	8.0	<1.0	<1.0	210	NM
		11/25,26/96			12.07	21.92	<500	<5.0	<5.0	<5.0	<5.0	280	NM
		03/31/97	†		12.42	21.57	<50	<0.50	<0.50	<0.50	<0.50	41	NM
		06/25/97			12.64	21.35	NS	NS	NS	NS	NS	NS	NM
		09/09,10/97			12.75	21.24	<50	<0.50	<0.50	<0.50	<0.50	19	NM
		11/24,25/97			12.60	21.39	<50	0.9	<0.50	<0.50	<0.50	23	1.4
		03/19,20/98			10.43	23.56	61	1.0	0.56	0.55	<0.50	75	1.2
		06/04/98			11.24	22.75	150	<0.30	<0.30	0.32	0.74	20	1.4
		09/21,22/98			12.45	21.54	110	0.59	<0.50	<0.50	<0.50	25	1.8
		12/14,15/98			11.85	22.14	<200	<2.0	<2.0	<2.0	<2.0	600	1.2
		03/15,16/99			11.05	22.94	50.9	<0.50	<0.50	<0.50	<0.50	211	1.0
		06/14,15/99			12.25	21.74	211	<0.50	<0.50	<0.50	<0.50	212	1.2
		09/15,16/99			12.70	21.29	139	<0.50	<0.50	<0.50	<0.50	184	2.4
		12/08,09/99			12.56	21.43	87.4	<0.50	<0.50	<0.50	<0.50	197	1.2
		03/15/00			10.10	23.89	82.4	<0.50	0.710	<0.50	0.579	906	1.2
		03/15/00	a		--	--	--	--	--	--	--	1,230	--
		06/13/00	b		12.44	21.55	96.7	<0.50	<0.50	<0.50	<0.50	551	2.0
		9/19,20/00			12.45	21.54	<50.0	<0.50	<0.50	<0.50	<0.50	51	2.2
		12/14,15/00			12.03	21.96	152.0	1.33	0.56	<0.50	<0.50	<2.50	1.0
		3/8,9/01			10.81	23.18	<50.0	<0.50	<0.50	<0.50	<0.50	73.8	1.6
		06/14/01			12.25	21.74	<50.0	<0.50	<0.50	<0.50	<0.50	47.0	1.8
		09/26/01			12.83	21.16	<50.0	<0.50	<0.50	<0.50	<0.50	270.0	2.0
		12/29/01			10.97	23.02	<50.0	<0.50	<0.50	<0.50	0.95	370.0	2.4
		03/13/02			11.46	22.53	530	<2.5	<2.5	<2.5	<2.5	1100	3.00
MW-7		03/13,15/96		34.40	9.73	24.67	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28,29/96			11.60	22.80	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28,29/96			12.63	21.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25,26/96			12.10	22.30	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			11.72	22.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			12.98	21.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			12.25	22.15	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		11/24,25/97			12.57	21.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
		03/19,20/98			10.35	24.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
		06/04/98			11.30	23.10	<50	<0.30	<0.30	<0.30	<0.60	<10	0.7
		09/21,22/98			12.48	21.92	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
		12/14,15/98			11.90	22.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
		03/15,16/99			11.10	23.30	<50	<0.50	<0.50	<0.50	<0.50	<	0.0
		06/14,15/99				----------	Removed From Gauging and Sampling Program	----------					
MW-8		03/13,14/96		32.79	8.90	23.89	670	5.1	<2.0	<2.0	<2.0	NA	NM
		05/28,29/96			10.58	22.21	490	<1.0	<1.0	0.91	0.91	NA	NM
		08/28/96			11.30	21.49	680	29	2.1	3.0	2.4	80	NM
		11/25/96			10.80	21.99	620	1.2	2.6	2.9	2.0	46	NM
		03/31-04/01/97			10.76	22.03	530	<1.0	1.7	2.0	3.8	380	NM
		06/25/97			11.65	21.14	480	6.7	0.69	0.8	0.71	88	NM
		09/09,10/97			11.67	21.12	570	57	<1.0	2.1	1.7	57	2.0
		09/09,10/97	a		--	--	--	--	--	--	--	48	--
		11/24,25/97			11.50	21.29	530	3.0	1.7	1.9	1.5	26	2.0
		03/19,20/98			9.40	23.39	440	1.4	<0.50	<0.50	3.7	140	2.2
		06/03/98			10.25	22.54	360	2.2	1.2	1.8	1.0	47	0.3
		09/21,22/98			11.37	21.42	380	<2.5	<2.5	<2.5	<2.5	620	0.0
		12/14,15/98			10.80	21.99	<50	<0.50	<0.50	<0.50	<0.50	1,600	0.0
		03/15,16/99			10.00	22.79	<500	<5.0	<5.0	<5.0	<5.0	625	0.0
		06/14,15/99			11.17	21.62	186	<0.50	<0.50	<0.50	<0.50	141	NM
		09/15,16/99			11.65	21.14	<500	<5.0	<5.0	<5.0	<5.0	2,380	2.4
		12/08,09/99			11.48	21.31	213	<0.50	<0.50	<0.50	<0.50	4,160	2.8
		03/15/00			9.38	23.41	133	<0.50	3.44	<0.50	0.548	1,350	2.2
		03/15/00	a		--	--	--	--	--	--	--	1,980	--
		06/13/00	b		11.93	20.86	227	<0.50	<0.50	<0.50	<0.50	657	1.0
		9/19,20/2000			11.46	21.33	191	1.7	3.2	<0.50	1.2	160	1.0
		12/14,15/00			10.97	21.82	243	<0.50	<0.50	<0.50	<0.50	243	2.0
		3/8,9/01			9.80	22.99	144	<0.50	<0.50	<0.50	<0.50	188	3.0
		06/14/01			11.22	21.57	150	3.2	0.75	<0.50	1.0	230	3.4
		09/26/01			10.80	21.99	140	<0.50	0.58	<0.50	1.9	170	0.6
		12/29/01			9.85	22.94	<50.0	<0.50	<0.50	<0.50	<0.50	560	4.2
		03/13/02			10.30	22.49	500	<2.5	<2.5	<2.5	<2.5	1,100	2.0

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-9		03/13,15/96		32.11	7.65	24.46	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			9.67	22.44	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28,29/96			10.78	21.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			10.24	21.87	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			9.95	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			10.85	21.26	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			10.87	21.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		11/24,25/97			10.70	21.41	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		03/19,20/98			8.63	23.48	<50	<0.50	<0.50	<0.50	<0.50	58	4.8
		06/04/98			9.35	22.76	<50	<0.30	<0.30	<0.30	<0.60	<10	2.0
		09/21,22/98			10.55	21.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/14,15/98			9.98	22.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
		03/15,16/99			9.10	23.01	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.0
		06/14,15/99			10.32	21.79	<50	<0.50	<0.50	<0.50	<0.50	3.27	2.2
		09/15,16/99			10.83	21.28	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.2
		12/08,09/99			10.70	21.41	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6
		03/15/00			8.58	23.53	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		06/13/00	b		10.48	21.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		9/19,20/00			10.53	21.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		12/14,15/00			10.35	21.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		3/8,9/01			9.05	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		06/14/01			10.33	21.78	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
		09/26/01			10.82	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/29/01			8.82	23.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		03/13/02			9.49	22.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
MW-10	††	03/13,14/96		31.67	7.78	23.89	870	35	<5.0	5.2	7.0	NA	NM
		05/29/96			10.00	21.67	800	<1.0	<1.0	<1.0	<1.0	NA	NM
		08/28/96			10.93	20.74	NS	NS	NS	NS	NS	NS	NM
		11/25,26/96			10.45	21.22	1,100	6.0	4.9	3.8	9.5	200	NM
		03/31/97	†		10.15	21.52	160	<0.50	<0.50	<0.50	<0.50	140	NM
		06/25/97			10.99	20.68	800	4.2	1.4	1.5	1.4	170	NM
		09/09,10/97			11.08	20.59	950	<1.2	3.3	2.5	3.7	240	2.0
		09/09,10/97	a		--	--	--	--	--	--	--	210	--
		11/24,25/97			10.85	20.82	920	5.7	6.7	<5.0	<5.0	160	2.4
		11/24,25/97			--	--	--	--	--	--	--	160	--
		03/19/98			8.78	22.89	330	1.7	<0.50	<0.50	<0.50	130	1.0
		06/04/98			9.59	22.08	680	<0.30	4.8	2.3	8.6	79	0.0
		09/21,22/98			10.77	20.90	650	<0.50	<0.50	3.5	1.3	99	0.0
		12/14/98			10.18	21.49	828	<1.0	<1.0	3.39	<1.0	152	0.4
		03/15,16/99			9.30	22.37	910	17.6	1.3	5.24	<1.0	268	0.0
		06/14,15/99			10.57	21.10	643	<0.50	0.761	1.13	1.35	232	NM
		09/15,16/99			11.03	20.64	655	<1.25	1.26	<1.25	<1.25	315	5.8
		12/08,09/99			10.88	20.79	898	5.7	1.29	<1.0	<1.0	236	5.6
		03/15/00			8.68	22.99	459	<1.0	<1.0	<1.0	<1.0	266	2.2
		03/15/00	a		--	--	--	--	--	--	--	342	--
		06/13/00	b		10.85	20.82	617	6.82	2.77	3.07	1.92	437	1.0
		9/19,20/00			10.70	20.97	527	<0.50	0.86	0.99	1.19	413	2.2
		12/14,15/00			10.35	21.32	458	10.50	1.01	0.60	<0.50	145	4.0
		3/8,9/01			9.12	22.55	509	<0.50	21.90	3.16	3.55	161	3.2
		06/14/01			10.55	21.12	710	9.20	2.60	<0.50	1.50	290	3.0
		09/26/01			10.98	20.69	560	<0.50	1.60	1.50	1.60	250	2.6
		12/29/01			9.06	22.61	410	<0.50	6.70	2.50	2.90	950	3.2
		03/13/02			9.68	21.99	680	<5.0	<5.0	<5.0	<5.0	570	3.2
MW-11		03/13,14/96		32.54	8.60	23.94	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			10.55	21.99	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			11.52	21.02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			11.00	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			10.88	21.66	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			11.65	20.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			11.75	20.79	80	<0.50	<0.50	<0.50	0.65	<2.5	2.0
		11/24,25/97			11.50	21.04	<50	<0.50	<0.50	<0.50	<0.50	3.8	2.4
		03/19/98			9.43	23.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		06/03/98			10.27	22.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.8
		09/21,22/98			11.43	21.11	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		12/14/98			10.85	21.69	<50	<0.50	<0.50	<0.50	<0.50	<2.0	1.4
		03/15,16/99			10.05	22.49	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.2

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

ARCO Service Station 0508
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

Well Number		Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-11		06/14,15/99			11.25	21.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
(cont.)		09/15/99			11.68	20.86	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.4
		12/08,09/99			11.53	21.01	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
		03/15/00			9.32	23.22	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.7
		06/13/00	b		11.05	21.49	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		9/19,20/00			11.37	21.17	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		3/8,9/01			11.00	21.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
		3/8,9/01			9.78	22.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
		06/14/01			11.23	21.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
		09/26/01			11.70	20.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
		12/29/01			9.91	22.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
		03/13/02			10.38	22.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
E-1A	††	03/13,14/96		33.06	10.35	22.71	2,700	38	<5.0	130	6.2	NA	NM
(MW-12)		05/28,29/96			11.50	21.56	1,400	410	18	55	5.5	NA	NM
		08/28/96			11.70	21.36	NS	NS	NS	NS	NS	NS	NM
		11/25,26/96			11.18	21.88	4,300	13	<5.0	100	20	220	NM
		03/31/97	†		12.65	20.41	1,900	7.9	<2.0	62	3.5	140	NM
		06/25/97			11.82	21.24	4,900	21	<5.0	53	6.8	180	NM
		09/09,10/97			11.85	21.21	3,200	9.0	<5.0	45	<5.0	85	2.0
		09/09,10/97	a		--	--	--	--	--	--	--	70	--
		11/24,25/97			11.75	21.31	2,000	10	<2.5	42	2.8	65	1.0
		03/19,20/98			9.65	23.41	11,000	1,300	<0.50	550	380	220	6.2
		06/04/98	b		10.47	22.59	4,500	3.3	0.92	41	4.0	51	1.5
		09/21,22/98			11.60	21.46	3,300	1.7	<0.50	29	3.6	52	1.8
		12/14,15/98			11.10	21.96	3,100	21	6.7	28	<5.0	140	1.0
		03/15,16/99			10.25	22.81	3,900	24.5	<20	41.2	<20	296	1.0
		06/14,15/99			11.47	21.59	5,090	<5.0	<5.0	6.01	<5.0	234	1.4
		09/15,16/99			11.90	21.16	2,200	7.93	<5.0	10.50	<5.0	142	3.2
		12/08,09/99			11.75	21.31	1,490	6.57	1.36	9.21	<1.25	364	NM
		03/15/00			9.52	23.54	4,430	26.1	<10.0	15.3	<10.0	786	1.8
		03/15/00	a		--	--	--	--	--	--	--	908	--
		06/13/00	b		22.31	10.75	262	9.52	0.584	0.535	<0.5	534	3.4
		9/19,20/00			23.15	9.91	143	1.01	<0.50	<0.50	<0.50	76	2.8
		12/14,15/00			NA	NA	181	<0.50	<0.50	0.789	<0.50	100	1.4
		3/8,9/01			23.80	9.26	370	1.78	<0.50	0.765	<0.50	76	1.6
		06/14/01			21.10	11.96	180	<0.50	<0.50	0.54	<0.50	100	2.6
		09/26/01			19.95	13.11	<50.0	<0.50	<0.50	<0.50	<0.50	210	1.8
		12/29/01			22.40	10.66	<50.0	<0.50	<0.50	<0.50	<0.50	190	2.0
		03/13/02			21.75	11.31	200	<0.50	<0.50	<0.50	<0.50	310	3.4
MW-13		03/13,15/96		35.42	10.90	24.52	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28,29/96			12.90	22.52	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			13.89	21.53	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			13.41	22.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			13.11	22.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			13.98	21.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			14.09	21.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		11/24,25/97			13.90	21.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		03/19,20/98			11.80	23.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
		06/04/98			12.63	22.79	<50	<0.30	<0.30	<0.30	<0.60	<10	1.3
		09/21,22/98			13.77	21.65	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		12/14,15/98			13.28	22.14	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
		03/15,16/99	b		12.48	22.94	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.2
		06/14,15/99			---------- Removed From Gauging and Sampling Program ----------								
MW-14		03/13,15/96		30.46	6.63	23.83	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		05/28/96			8.83	21.63	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
		08/28/96			9.83	20.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		11/25/96			9.33	21.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		03/31-04/01/97			9.04	21.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		06/25/97			9.94	20.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
		09/09,10/97			10.08	20.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
		11/24,25/97			9.78	20.68	<50	<0.50	<0.50	<0.50	<0.50	2.9	2.6
		03/19/98			7.92	22.54	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
		06/03/98			8.52	21.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.1
		09/21,22/98			9.72	20.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.8
		12/14/98			9.15	21.31	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.8
		03/15,16/99			8.20	22.26	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number	Date Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-14	06/14,15/99		9.54	20.92	Well Sampled Annually						
(cont.)	09/15/99		9.98	20.48	Well Sampled Annually						
	12/08,09/99		9.84	20.62	Well Sampled Annually						
	03/15/00		7.78	22.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
	06/13/00 b		9.45	21.01	Well Sampled Annually						
	9/19,20/00		9.68	20.78	Well Sampled Annually						
	12/14,15/00		9.14	21.32	Well Sampled Annually						
	3/8,9/01		8.10	22.36	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	06/14/01		9.51	20.95	Well Sampled Annually						
	09/26/01		9.96	20.50	Well Sampled Annually						
	12/29/01		7.62	22.84	Well Sampled Annually						
	03/13/02		8.56	21.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
MW-15	03/13,15/96	31.41	8.13	23.28	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96		10.30	21.11	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.30	20.11	<50	<0.50	<0.50	<0.50	<0.50	5.3	NM
	11/25/96		10.83	20.58	<50	<0.50	<0.50	<0.50	<0.50	12	NM
	03/31-04/01/97		10.45	20.96	<50	<0.50	<0.50	<0.50	<0.50	7.2	NM
	06/25/97		11.39	20.02	<50	<0.50	<0.50	<0.50	<0.50	7.0	NM
	09/09,10/97		11.50	19.91	Well Inaccessible						
	11/24,25/97				Well Inaccessible						
	03/19/98		9.15	22.26	<50	<0.50	<0.50	<0.50	<0.50	5.3	2.2
	06/04/98		NM		Well Inaccessible						
	09/21,22/98		NM		Well Inaccessible						
	12/14/98		10.63	20.78	<50	<0.50	<0.50	<0.50	<0.50	48.2	1.8
	03/15,16/99		NM		Well Inaccessible						
	06/14,15/99		NM		Well Inaccessible						
	09/15, 16/99		NM		Well Inaccessible						
	12/08,09/99		11.28	20.13	<50	<0.5	<0.5	<0.5	<0.5	167.0	NM
	03/15/00		9.03	22.38	<50	<0.5	<0.5	<0.5	<0.5	82.1	1.5
	03/15/00 a		--	--	--	--	--	--	--	105	--
	06/13/00 b		10.96	20.45	<50	<0.5	0.703	<0.5	0.870	69.8	2.0
	9/19,20/00		11.10	20.31	<50	<0.5	<0.5	<0.5	<0.5	156.0	2.2
	12/14,15/00		NM	NA	Well Inaccessible						
	3/8,9/01		9.48	21.93	<50	<0.5	<0.5	<0.5	<0.5	63.8	2.6
	06/14/01		10.95	20.46	<50	<0.5	<0.5	<0.5	<0.5	26.0	3.0
	09/26/01		11.38	20.03	<50	<0.5	<0.5	<0.5	<0.5	17.0	1.2
	12/29/01		9.41	22.00	<50	<0.5	<0.5	<0.5	<0.5	30.0	2.2
	03/13/02		10.03	21.38	<50	<0.5	<0.5	<0.5	<0.5	21.0	1.2
MW-16	03/13/96	31.39	8.62	22.77	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		10.90	20.49	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.84	19.55	<50	<0.50	<0.50	<0.50	<0.50	89	NM
	11/25/96		11.32	20.07	<50	<0.50	<0.50	<0.50	<0.50	66	NM
	03/31-04/01/97		11.06	20.33	<50	<0.50	<0.50	<0.50	<0.50	49	NM
	06/25/97		11.92	19.47	<50	<0.50	<0.50	<0.50	<0.50	59	NM
	09/09,10/97		12.03	19.36	<50	<0.50	<0.50	<0.50	<0.50	63	3.0
	09/09,10/97 a		--	--	--	--	--	--	--	86	--
	11/24,25/97		11.76	19.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	03/19/98		9.80	21.59	<50	<0.50	<0.50	<0.50	<0.50	8.4	3.0
	06/03/98		10.55	20.84	<50	<0.50	<0.50	<0.50	<0.50	22	1.6
	09/21,22/98		11.77	19.62	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.2
	12/14/98		11.20	20.19	<50	<0.50	<0.50	<0.50	<0.50	25	1.0
	03/15,16/99		10.30	21.09	<50	<0.50	<0.50	<0.50	<0.50	<5.0	3.6
	06/14,15/99		11.65	19.84	<50	<0.50	<0.50	<0.50	<0.50	3.13	3.4
	09/15/99		11.99	19.40	<50	<0.50	<0.50	<0.50	<0.50	8.70	3.8
	12/08,09/99		11.80	19.59	<50	<0.50	<0.50	<0.50	<0.50	10.1	2.4
	03/15/00		9.55	21.84	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/13/00 b		11.64	19.75	<50	<0.50	0.517	<0.50	0.603	6.29	1.0
	9/19,20/00		11.64	19.75	<50	<0.50	<0.50	<0.50	<0.50	5.01	2.0
	12/14,15/00		11.25	20.14	<50	<0.50	<0.50	<0.50	<0.50	6.14	2.0
	3/8,9/01		10.01	21.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	06/14/01		11.47	19.92	<50	<0.50	<0.50	<0.50	<0.50	2.5	2.6
	09/26/01		11.93	19.46	<50	<0.50	<0.50	<0.50	<0.50	3.8	1.8
	12/29/01		9.71	21.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/13/02		10.51	20.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
MW-17			Well Destroyed								
MW-18	03/13/96	29.70	7.53	22.17	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		9.88	19.82	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.82	18.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.18	19.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number	Date Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-18	03/31-04/01/97		10.14	19.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
(cont.)	06/25/97		10.94	18.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		11.00	18.70	<50	<0.50	<0.50	<0.50	<0.50	<2.5	4.0
	11/24,25/97		10.65	19.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.4
	03/19/98		8.95	20.75	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	06/03/98		9.57	20.13	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8
	09/21,22/98		10.80	18.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	12/14/98		10.18	19.52	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.6
	03/15,16/99		9.20	20.50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	06/14,15/99		10.60	19.10	---------- Well Sampled Annually ----------						
	09/15/99		10.96	18.74	---------- Well Sampled Annually ----------						
	12/08,09/99		10.79	18.91	---------- Well Sampled Annually ----------						
	03/15/00		8.80	20.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/13/00 b		10.60	19.10	---------- Well Sampled Annually ----------						
	9/19,20/00		10.63	19.07	---------- Well Sampled Annually ----------						
	12/14,15/00		10.39	19.31	---------- Well Sampled Annually ----------						
	3/8,9/01		9.03	20.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
	06/14/01		10.40	19.30	---------- Well Sampled Annually ----------						
	09/26/01		10.91	18.79	---------- Well Sampled Annually ----------						
	12/29/01		8.24	21.46	---------- Well Sampled Annually ----------						
	03/13/02		9.46	20.24	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
MW-19	03/13/96	29.02	7.06	21.96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		9.42	19.60	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.33	18.69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		9.67	19.35	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		9.65	19.37	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		10.41	18.61	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		10.47	18.55	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.0
	11/24,25/97		10.35	18.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	3.6
	03/19/98		8.67	20.35	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/03/98		9.15	19.87	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2
	09/21,22/98		10.28	18.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	12/14/98		9.70	19.32	<50	<0.50	<0.50	0.588	0.647	<2.0	2.4
	03/15,16/99		---------- Well Inaccessible ----------								
	06/14,15/99	*	---------- Removed From Gauging and Sampling Program ----------								
MW-20			---------- Well Destroyed ----------								
MW-21	03/13/96	28.72	7.58	21.14	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96		9.85	18.87	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		10.75	17.97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.00	18.72	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97		10.03	18.69	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		10.83	17.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		10.90	17.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	11/24,25/97		10.50	18.22	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	03/19/98		9.08	19.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.08
	06/03/98		9.57	19.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.6
	09/21,22/98		10.75	17.97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	12/14/98		10.11	18.61	<50	<0.50	<0.50	<0.50	<0.50	<2.0	0.6
	03/15,16/99		9.10	19.62	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.0
	06/14,15/99		10.58	18.14	---------- Well Sampled Annually ----------						
	09/15/99		10.93	17.79	---------- Well Sampled Annually ----------						
	12/08,09/99		10.70	18.02	---------- Well Sampled Annually ----------						
	03/15/00		8.95	19.77	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.3
	06/13/00 b		10.97	17.75	---------- Well Sampled Annually ----------						
	9/19,20/00		10.66	18.06	---------- Well Sampled Annually ----------						
	12/14,15/00		10.30	18.42	---------- Well Sampled Annually ----------						
	3/8,9/01		9.00	19.72	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	06/14/01		10.40	18.32	---------- Well Sampled Annually ----------						
	09/26/01		10.75	17.97	---------- Well Sampled Annually ----------						
	12/29/01		7.86	20.86	---------- Well Sampled Annually ----------						
	03/13/02		9.40	19.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.2
MW-22	03/13/96	29.29	7.83	21.46	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96		10.33	18.96	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96		11.28	18.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96		10.61	18.68	<50	<0.50	<0.50	<0.50	<0.50	3.0	NM
	12/30/96		10.61	18.68	NA	NA	NA	NA	NA	3.3	NM
	03/31-04/01/97		10.56	18.73	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97		11.51	17.78	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97		11.45	17.84	<50	<0.50	<0.50	<0.50	<0.50	3.4	1.0
	11/24,25/97		11.08	18.21	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.6
	03/19/98		9.40	19.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	06/03/98		10.00	19.29	<50	<0.50	<0.50	<0.50	<0.50	0.87	3.2
	09/21,22/98		11.27	18.02	<50	<0.50	<0.50	<0.50	<0.50	2.1	2.8
	12/14/98		10.65	18.64	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.4
	03/15,16/99		9.67	19.62	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.4
	06/14,15/99		11.06	18.23	<50	<0.50	<0.50	<0.50	<0.50	5.05	1.0
	09/15/99 a		11.46	17.83	<50	<0.50	<0.50	<0.50	<0.50	49.2	1.2
	12/08,09/99		11.25	18.04	<50	<0.50	<0.50	<0.50	<0.50	17.9	1.4

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

Well Number	Date Sampled		Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)	Dissolved Oxygen (ppm)
MW-22	03/15/00			9.20	20.09	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.1
(cont.)	06/13/00	b		11.06	18.23	<50	<0.50	<0.50	<0.50	<0.50	6.85	1.0
	9/19,20/00			11.12	18.17	<50	<0.50	<0.50	<0.50	<0.50	3.18	1.8
	12/14,15/00			10.85	18.44	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	3/8,9/01			9.43	19.86	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.8
	06/14/01			10.98	18.31	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	09/26/01			11.41	17.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.0
	12/29/01			8.78	20.51	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/13/02			9.86	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
MW-23	03/13/96		30.99	9.13	21.86	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			11.37	19.62	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96			12.31	18.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96			11.76	19.23	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97			11.56	19.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97			12.39	18.60	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97			12.53	18.46	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.0
	11/24,25/97			12.13	18.86	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.4
	03/19/98			10.22	20.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.4
	06/03/98			11.03	19.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3
	09/21,22/98			12.31	18.68	<50	<0.50	0.54	1.9	<0.50	<2.5	2.2
	12/14/98			11.67	19.32	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.0
	03/15,16/99			10.82	20.17	<50	<0.50	<0.50	<0.50	<0.50	<5.0	2.6
	06/14,15/99			12.08	18.91	---------- Well Sampled Annually ----------						
	09/15/99			12.48	18.51	---------- Well Sampled Annually ----------						
	12/08,09/99			12.29	18.70	---------- Well Sampled Annually ----------						
	03/15/00			10.04	20.95	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.2
	06/13/00	b		11.95	19.04	---------- Well Sampled Annually ----------						
	9/19,20/00			12.15	18.84	---------- Well Sampled Annually ----------						
	12/14,15/00			12.25	18.74	---------- Well Sampled Annually ----------						
	3/8,9/01			10.49	20.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.6
	06/14/01			11.97	19.02	---------- Well Sampled Annually ----------						
	09/26/01			12.40	18.59	---------- Well Sampled Annually ----------						
	12/29/01			10.42	20.57	---------- Well Sampled Annually ----------						
	03/13/02			11.01	19.98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.0
MW-24	03/13,15/96		34.38	10.10	24.28	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			12.25	22.13	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28/96			13.28	21.10	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96			12.71	21.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97			12.50	21.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97			13.38	21.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	09/09,10/97			13.46	20.92	<50	<0.50	<0.50	<0.50	<0.50	<2.5	5.0
	11/24,25/97			13.25	21.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/19,20/98			11.32	23.06	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.8
	06/04/98			12.00	22.38	<50	<0.30	<0.30	<0.30	<0.60	<10	0.8
	09/21,22/98			13.13	21.25	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.4
	12/14,15/98			12.53	21.85	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.2
	03/15,16/99			11.58	22.80	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.0
	06/14,15/99			---------- Removed From Gauging and Sampling Program ----------								
MW-25	03/13,14/96		34.12	9.61	24.51	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28,29/96			11.30	22.82	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28,29/96			12.32	21.80	<50	<0.50	<0.50	<0.50	<0.50	51	NM
	11/25/96			11.83	22.29	<50	<0.50	<0.50	<0.50	<0.50	110	NM
	03/31-04/01/97			11.55	22.57	<50	<0.50	<0.50	<0.50	<0.50	39	NM
	06/25/97			14.57	19.55	<50	<0.50	<0.50	<0.50	<0.50	49	NM
	09/09,10/97			12.45	21.67	<50	<0.50	<0.50	<0.50	<0.50	78	1.0
	09/09,10/97	a		--	--	--	--	--	--	--	79	--
	11/24,25/97			12.30	21.82	<50	<0.50	<0.50	<0.50	<0.50	130	0.0
	03/19,20/98			10.18	23.94	<50	<0.50	<0.50	<0.50	<0.50	96	1.8
	06/04/98			11.00	23.12	<50	<0.30	<0.30	<0.30	<0.60	44	0.8
	09/21,22/98			12.13	21.99	<50	<0.50	<0.50	<0.50	<0.50	150	0.4
	12/14,15/98			11.60	22.52	<50	<0.50	<0.50	<0.50	<0.50	44	1.0
	03/15,16/99			10.78	23.34	<50	<0.50	<0.50	<0.50	<0.50	26.6	2.0
	06/14,15/99			11.97	22.15	<50	<0.50	<0.50	<0.50	<0.50	98.9	2.2
	09/15,16/1999			12.34	21.78	<50	<0.50	<0.50	<0.50	<0.50	66.4	NM
	12/08,09/99			12.25	21.87	<50	<0.50	<0.50	<0.50	<0.50	55.5	0.0
	03/15/00			10.16	23.96	<50	<0.50	<0.50	<0.50	<0.50	154	1.0
	03/15/00	a		--	--	--	--	--	--	--	205	--
	06/13/00	b		11.72	22.40	<50	<0.50	<0.50	<0.50	<0.50	77.7	1.0
	9/19,20/00			12.08	22.04	<50	1	<0.50	<0.50	<0.50	192	1.2
	12/14,15/00			11.74	22.38	<50	<0.50	<0.50	<0.50	<0.50	134	4.0
	3/8,9/01			10.53	23.59	<50	<0.50	<0.50	<0.50	<0.50	140	2.6
	06/14/01			11.95	22.17	<50	<0.50	<0.50	<0.50	<0.50	150	2.6
	09/26/01			12.22	21.90	<50	<0.50	<0.50	<0.50	<0.50	84	1.0
	12/29/01	c	33.81	10.32	23.49	73	<0.50	<0.50	1	7	94	2.2
	03/13/02			10.99	22.82	57	<0.50	<0.50	<0.50	<0.50	89	2.6
MW-26	03/13,15/96		33.71	9.38	24.33	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	05/28/96			11.57	22.14	<50	<0.50	<0.50	<0.50	<0.50	NA	NM
	08/28,29/96			12.55	21.16	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	11/25/96			12.03	21.68	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	03/31-04/01/97			11.84	21.87	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM
	06/25/97			12.94	20.77	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NM

Table 2
Groundwater Elevation and Analytical Data
Groundwater Monitoring Wells

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

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

MtBE = Methyl tert-butyl ether
MSL = Mean sea level
TOB = Top of box
ppb = Parts per billion
ppm = Parts per million
< = Less than laboratory detection limit
† = Well sampled without purging.
†† = ORC program initiated September 21, 1995 and discontinued on May 15, 1997.

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

Please see certified analytical reports for laboratory notes and definitions.

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

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

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

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

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

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

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

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

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

Well Address	Date Sampled	TPPH as Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MtBE (ppb)		Dissolved Oxygen (ppm)
17349 VM	06/03/98	860	8.7	<0.50	0.7	8.0	38		4.9
(cont.)	07/29/98	860	20	2.1	<1.2	<1.2	27		NM
	07/29/98	--	--	--	--	--	25	c	NM
	09/21/98	200	<0.50	<0.50	<0.50	14	14		5.2
	12/14/98	254	<0.50	6.92	0.604	1.58	21.7		1.0
	03/15/99	172	1.36	<0.50	<0.50	<0.50	24.2		3.6
	06/14/99	91	<0.50	3.53	<0.50	<0.50	88.3		2.8
	09/15/99 a	133	<0.50	<0.50	<0.50	<0.50	184		2.2
	12/08/99	136	0.681	<0.50	<0.50	<0.50	267	c	2.4
	03/15/00	<50	<0.50	<0.50	<0.50	<0.50	82.1	c	2.8
	06/13/00	319	5.28	<0.5	<0.50	<0.50	97.1		NM
	06/13/00	--	--	--	--	--	85.1	c	NM
	09/19/00	106	<0.50	2	<0.50	<0.50	204.0		NM
	09/19/00	--	--	--	--	--	84.0	c	NM
	12/14/00	65.9	0.61	<0.50	<0.50	<0.50	188.0		1.6
	12/14/00	--	--	--	--	--	197.0	c	NM
	03/08/01	<50	<0.50	<0.50	<0.50	<0.50	91.8		1.8
	03/08/01	--	--	--	--	--	98.3	c	NM
	06/14/01	<50	<0.50	<0.50	<0.50	<0.50	68.0		2.8
	06/14/01	--	--	--	--	--	99.0	c	NM
	09/26/01	52	0.53	<0.50	<0.50	<0.50	49.0		1.8
	09/26/01	--	--	--	--	--	54.0	c	
	12/29/01	<50.0	<0.50	0.78	<0.50	<0.50	58.0		NM
	12/29/01	--	--	--	--	--	48.0	c	NM
	03/13/02	<50.0	1	<0.50	<0.50	<0.50	49.0		2.0
	03/13/02	--	--	--	--	--	47.0	c	NM
17371 VM	03/13/96 e	NS	NS	NS	NS	NS	NA		NM
	05/27/96 e	NS	NS	NS	NS	NS	NA		NM
	08/29/96 e	NS	NS	NS	NS	NS	NA		NM
	11/26/96 e	NS	NS	NS	NS	NS	NS		NM
	03/31/97 e	NS	NS	NS	NS	NS	NS		NM
	06/25/97 e	NS	NS	NS	NS	NS	NS		NM
	09/09/97 e	NS	NS	NS	NS	NS	NS		NM
	11/24/97 e	NS	NS	NS	NS	NS	NS		NM
	03/19/98 e	NS	NS	NS	NS	NS	NS		NM
	06/03/98 e	NS	NS	NS	NS	NS	NS		NM
	09/21/98 e	NS	NS	NS	NS	NS	NS		NM
	12/14/98 e	NS	NS	NS	NS	NS	NS		NM
	03/15/99 e	NS	NS	NS	NS	NS	NS		NM
	06/14/99 e	NS	NS	NS	NS	NS	NS		NM
	09/15/99 e	NS	NS	NS	NS	NS	NS		NM
	12/08/99 f	NS	NS	NS	NS	NS	NS		NM
	03/15/00 f	NS	NS	NS	NS	NS	NS		NM
	06/13/00 f	NS	NS	NS	NS	NS	NS		NM
	09/19/00 f	NS	NS	NS	NS	NS	NS		NM
	12/14/00 f	NS	NS	NS	NS	NS	NS		NM
	03/08/01 f	NS	NS	NS	NS	NS	NS		NM
	06/14/01 f	NS	NS	NS	NS	NS	NS		NM
	09/26/01 f	NS	NS	NS	NS	NS	NS		NM
	12/29/01 f	NS	NS	NS	NS	NS	NS		NM
	03/13/02 f	NS	NS	NS	NS	NS	NS		NM
17372 VM	03/14/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	05/27/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	08/29/96	<50	<0.50	<0.50	<0.50	<0.50	NA		NM
	11/26/96	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	03/31/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	06/25/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		NM
	09/09/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		4.0
	11/24/97	<50	<0.50	<0.50	<0.50	<0.50	<2.5		2.0
	03/19/98	<50	<0.50	<0.50	<0.50	<0.50	1,200		1.8
	03/19/98	--	--	--	--	--	1,400	c	NM
	06/03/98	<50	<0.50	<0.50	<0.50	<0.50	16,000		1.8
	07/29/98	<200	<2.0	<2.0	<2.0	<2.0	940		NM

Table 3
Groundwater Analytical Data
Domestic Irrigation Wells

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

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

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

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

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

10/01/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #608, San Lorenzo, C
Work Order Number:	MMI0441
Global ID:	T0600100085
Lab Report Number:	MMI0441093020030941

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MMI04410930200 30941	17372 VM	MMI044112	W	CS	8260TPH	SW5030B	09/15/03	09/26/03	09/27/03	3I26001	1	
MMI04410930200 30941	642H	MMI044111	W	CS	8260TPH	SW5030B	09/15/03	09/26/03	09/26/03	3I26001	1	
MMI04410930200 30941	E-1A (MW-12)	MMI044106	W	CS	8260TPH	SW5030B	09/15/03	09/25/03	09/25/03	3I25002	1	
MMI04410930200 30941	MW-10	MMI044104	W	CS	8260TPH	SW5030B	09/15/03	09/26/03	09/27/03	3I26001	1	
MMI04410930200 30941	MW-11	MMI044105	W	CS	8260TPH	SW5030B	09/15/03	09/25/03	09/25/03	3I25002	1	
MMI04410930200 30941	MW-15	MMI044107	W	CS	8260TPH	SW5030B	09/15/03	09/25/03	09/25/03	3I25002	1	
MMI04410930200 30941	MW-16	MMI044108	W	CS	8260TPH	SW5030B	09/15/03	09/26/03	09/26/03	3I26001	1	
MMI04410930200 30941	MW-22	MMI044109	W	CS	8260TPH	SW5030B	09/15/03	09/25/03	09/26/03	3I25002	1	
MMI04410930200 30941	MW-25	MMI044110	W	CS	8260TPH	SW5030B	09/15/03	09/26/03	09/27/03	3I26001	1	
MMI04410930200 30941	MW-5	MMI044101	W	CS	8260TPH	SW5030B	09/15/03	09/24/03	09/24/03	3I24005	1	
MMI04410930200 30941	MW-8	MMI044102	W	CS	8260TPH	SW5030B	09/15/03	09/24/03	09/24/03	3I24005	1	
MMI04410930200 30941	MW-9	MMI044103	W	CS	8260TPH	SW5030B	09/15/03	09/25/03	09/25/03	3I25002	1	
		MMI039201R1	W	NC	8260TPH	SW5030B	/ /	09/24/03	09/25/03	3I24005	1	
		3I24005BSD1	WQ	BD1	8260TPH	SW5030B	/ /	09/24/03	09/24/03	3I24005	1	
		3I24005BSD2	WQ	BD2	8260TPH	SW5030B	/ /	09/24/03	09/24/03	3I24005	1	
		3I24005BS1	WQ	BS1	8260TPH	SW5030B	/ /	09/24/03	09/24/03	3I24005	1	
		3I24005BS2	WQ	BS2	8260TPH	SW5030B	/ /	09/24/03	09/24/03	3I24005	1	
		3I24005BLK1	WQ	LB1	8260TPH	SW5030B	/ /	09/24/03	09/24/03	3I24005	1	
		3I24005BLK2	WQ	LB2	8260TPH	SW5030B	/ /	09/24/03	09/24/03	3I24005	1	
		3I24005MS1	W	MS1	8260TPH	SW5030B	/ /	09/24/03	09/25/03	3I24005	1	
		3I24005MSD1	W	SD1	8260TPH	SW5030B	/ /	09/24/03	09/25/03	3I24005	1	
		3I25002BS1	WQ	BS1	8260TPH	SW5030B	/ /	09/25/03	09/25/03	3I25002	1	
		3I25002BS2	WQ	BS2	8260TPH	SW5030B	/ /	09/25/03	09/25/03	3I25002	1	
		3I25002BLK1	WQ	LB1	8260TPH	SW5030B	/ /	09/25/03	09/25/03	3I25002	1	
		3I25002MS1	W	MS1	8260TPH	SW5030B	/ /	09/25/03	09/25/03	3I25002	1	
		3I25002MS2	W	MS2	8260TPH	SW5030B	/ /	09/25/03	09/25/03	3I25002	1	
		3I25002MSD1	W	SD1	8260TPH	SW5030B	/ /	09/25/03	09/25/03	3I25002	1	
		3I25002MSD2	W	SD2	8260TPH	SW5030B	/ /	09/25/03	09/25/03	3I25002	1	

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
		3I26001BSD1	WQ	BD1	8260TPH	SW5030B	/ /	09/26/03	09/26/03	3I26001	1	
		3I26001BSD2	WQ	BD2	8260TPH	SW5030B	/ /	09/26/03	09/26/03	3I26001	1	
		3I26001BS1	WQ	BS1	8260TPH	SW5030B	/ /	09/26/03	09/26/03	3I26001	1	
		3I26001BS2	WQ	BS2	8260TPH	SW5030B	/ /	09/26/03	09/26/03	3I26001	1	
		3I26001BLK1	WQ	LB1	8260TPH	SW5030B	/ /	09/26/03	09/26/03	3I26001	1	

EDFSAMP: Error Summary Log

10/01/03

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

EDFTEST: Error Summary Log

10/01/03

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

EDFRES: Error Summary Log

10/01/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Error: LNOTE has an invalid note	MMI044109	CS	W	8260TPH	PR	09/26/03	1	ETHANOL

EDFQC: Error Summary Log

10/01/03

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

EDFCL: Error Summary Log

10/01/03

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