

Rec'd 11/16/02

October 18, 2002

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Quarterly Groundwater Monitoring Report
Second Quarter 2002**
ARCO Service Station No. 6113
785 East Stanley Boulevard
Livermore, California
URS Project # 38465986

Dear Ms. Chu:

On behalf of ARCO (affiliated to Group Environmental Management Company), URS Corporation (URS) is pleased to submit the second quarter 2002 Ground Water Monitoring Report. This report presents the results of the second quarter 2002 groundwater monitoring program at ARCO Service Station No. 6113, located at 785 East Stanley Boulevard, Livermore, California. The monitoring program complies with the Alameda County Health Care Services Agency (ACHCSA) requirements regarding underground storage (UST) tank investigations.

Please call us at 510-893-3600 if you have any questions.

Sincerely,
URS CORPORATION



Scott Robinson
Project Manager

Amy Breckenridge
Portfolio Manager



Attachment: Quarterly Groundwater Monitoring Report, Second Quarter 2002

cc: Ms. Danielle Stefani, City of Livermore Fire Department, 4550 East Ave, Livermore, CA 94550
Mr. Paul Supple, ARCO, PO Box 6549 Moraga, CA 94570

Quarterly Groundwater Monitoring Report

Second Quarter 2002

**Arco Service Station 6113
785 East Stanley Boulevard
Livermore, California
URS Project # 38465986**

Prepared For:

Mr. Paul Supple
ARCO

October 18, 2002

Prepared By:

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

Date: October 18, 2002
Quarter: 2nd Quarter, 2002

ARCO QUARTERLY GROUNDWATER MONITORING REPORT

Station No.: 6113 Address: 785 East Stanley Boulevard, Livermore, California
ARCO Environmental Engineer: Paul Supple
Consulting Co./Contact Person: URS Corporation / Scott Robinson
Consultant Project No.: 38465986
Primary Agency/Regulatory ID No.: ACHCSA

WORK PERFORMED THIS QUARTER (SECOND - 2002):

1. Prepared and submitted groundwater monitoring report for first quarter 2002.
2. Performed second quarter groundwater monitoring and sampling on April 26, 2002.

WORK PROPOSED FOR NEXT QUARTER (THIRD - 2002):

1. Prepare and submit quarterly groundwater monitoring report for second quarter 2002.
2. Perform third quarter groundwater monitoring and sampling.

MONITORING:

Current Phase of Project: Groundwater Monitoring
Frequency of Sampling: Annual (4th Quarter): MW-1, MW-2, MW-3, MW-8, MW-9, MW-10
Semi-Annual (2nd/4th Quarter): MW-4, MW-6, MW-7, MW-11, MW-12, MW-13, VW-1
Frequency of Monitoring: Semi-Annual and Annual (groundwater)
Is Free Product (FP) Present On-site: No
Bulk Soil Removed This Quarter : None
Bulk Soil Removed to Date : 288 cubic yards of TPH impacted soil
Water Wells or Surface Waters,
within 2001 ft., impacted by site: None
Current Remediation Techniques: Natural attenuation
Average Depth to Groundwater 25.16 feet
Groundwater Flow Direction and Gradient : 0.031 feet per foot toward Northeast

DISCUSSION:

Based on field measurements collect on April 26, 2002, groundwater beneath the site flows towards the northeast, at a gradient of 0.031 feet per foot. This is consistent with the historic groundwater flow direction and gradient.

Hydrocarbon concentrations detected this quarter are consistent with the previous sampling event. The maximum TPH-g and MTBE concentrations were detected in the recently installed well MW-13 at 17,000 and 1,600 micrograms per liter ($\mu\text{g/L}$), respectively. The maximum Benzene concentrations were detected in well VW-1 at 26 $\mu\text{g/L}$. The hydrocarbon concentrations in VW-1 were consistent with the last quarter concentration which showed a significant decrease in the hydrocarbon concentration.

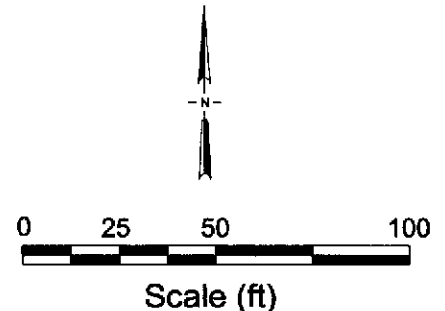
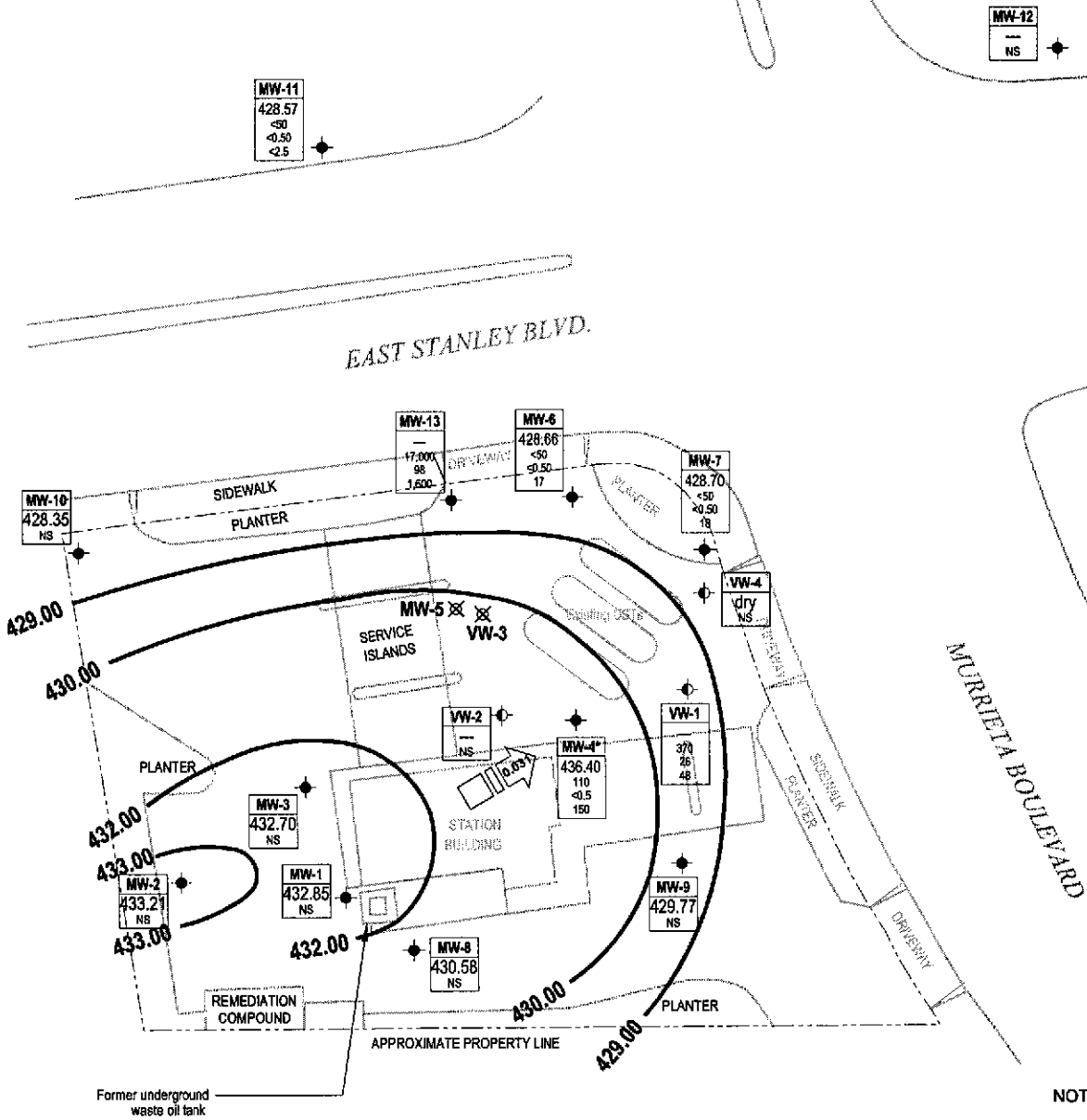
Date: October 18, 2002
Quarter: 2nd Quarter, 2002

ATTACHMENTS:

- Disclaimer Statement - Groundwater Monitoring Report
- Table 1 – Summary of Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map
- Attachment A – Groundwater Sampling Procedures
- Attachment B – Certified Analytical Report and Chain-of-Custody
- Attachment C – Field Data Sheets
- Attachment D – Copy of EDCC Report, EDF and Geowell Submittal Confirmation Number Page

EXPLANATION

- MW-1 ◆ Monitoring well location
 - VW-1 ◆ Vapor Extraction Well Location
 - MW-5 ✕ Abandoned Well Location
- | | |
|---------|--|
| Well ID | Well Designation |
| ELEV | Groundwater Elevation |
| TPH-g | Concentration of total petroleum hydrocarbons as gasoline, benzene, and MTBE in groundwater in micrograms per liter (µg/l).
Samples collected on 04/26/02 |
| Benzene | |
| MTBE | |
- Data Not Reported
 - ns Well Not Sampled
 - * Groundwater elevation anomalous, not used for contouring
- 432.00 Groundwater elevation contour
 - ← 0.031 Approximate groundwater flow direction and gradient



NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38465986	Groundwater Elevation Contour and Analytical Summary Map Second Quarter 2002 (April 26, 2002)	FIGURE 1
	ARCO Service Station 6113 785 East Stanley Blvd. Livermore, California		

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater		TPH					MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
				Elevation (ft-MSL)	Date Sampled	Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)				
MW-1	03-23-95	457.04	14.12	442.92	03-23-95	Not sampled: well sampled annually, during the fourth quarter								
MW-1	05-31-95	457.04	14.45	442.59	05-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-1	08-31-95	457.04	17.12	439.92	08-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-1	11-28-95	457.04	16.34	440.70	11-28-95	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-1	02-22-96	457.04	13.23	443.81	02-22-96	Not sampled: well sampled annually, during the fourth quarter								
MW-1	05-23-96	457.04	14.02	443.02	05-23-96	Not sampled: well sampled annually, during the fourth quarter								
MW-1	08-08-96	457.04	16.13	440.91	08-08-96	Not sampled: well sampled annually, during the fourth quarter								
MW-1	11-07-96	457.04	17.28	439.76	11-07-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-1	03-27-97	457.04	14.91	442.13	03-28-97	Not sampled: well sampled annually, during the fourth quarter								
MW-1	05-19-97	457.04	16.47	440.57	05-19-97	Not sampled: well sampled annually, during the fourth quarter								
MW-1	05-18-98	457.04	14.69	442.35	05-18-98	Not sampled: well sampled annually, during the fourth quarter								
MW-1	11-02-98	457.04	25.94	431.10	11-02-98	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-1	06-04-99	457.04	17.38	439.66	06-04-99	Not sampled: well sampled annually, during the fourth quarter								
MW-1	11-11-99	457.04	18.63	438.41	11-11-99	<50	<0.5	<0.5	<0.5	<1	<3		1.03	P
MW-1	06-20-00	457.04	17.09	439.95	06-20-00	Not sampled: well sampled annually, during the fourth quarter							3.1	
MW-1	08-29-00	457.04	18.20	438.84	08-29-00	Not sampled: well sampled annually, during the fourth quarter							2.66	
MW-1	11-29-00	457.04	20.30	436.74	11-29-00	<50.0	<0.500	<0.500	<0.500	1.36	<2.50		0.71	P
MW-1	05-02-01	457.04	22.39	434.65	05-02-01	Not sampled: well sampled annually, during the fourth quarter								
MW-1	08-15-01	457.04	24.97	432.07	08-15-01	Not sampled: well sampled annually, during the fourth quarter								
MW-1	10-05-01	457.04	25.09	431.95	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.78	P
MW-1	01-21-02	457.04	24.58	432.46	01-21-02	Not sampled: well sampled annually, during the fourth quarter								
MW-1	04-26-02	457.04	24.19	432.85	04-26-02	Not sampled: well sampled annually, during the fourth quarter								
MW-2	03-23-95	457.74	14.15	443.59	03-23-95	Not sampled: well sampled annually, during the fourth quarter								
MW-2	05-31-95	457.74	14.67	443.07	05-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-2	08-31-95	457.74	17.24	440.50	08-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-2	11-28-95	457.74	16.40	441.34	11-29-95	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-2	02-22-96	457.74	13.55	444.19	02-22-96	Not sampled: well sampled annually, during the fourth quarter								
MW-2	05-23-96	457.74	14.29	443.45	05-23-96	Not sampled: well sampled annually, during the fourth quarter								
MW-2	08-08-96	457.74	16.19	441.55	08-08-96	Not sampled: well sampled annually, during the fourth quarter								
MW-2	11-07-96	457.74	17.50	440.24	11-07-96	65	0.6	7.4	2.1	12	5			
MW-2	03-27-97	457.74	15.32	442.42	03-28-97	Not sampled: well sampled annually, during the fourth quarter								
MW-2	05-19-97	457.74	16.62	441.12	05-19-97	Not sampled: well sampled annually, during the fourth quarter								
MW-2	05-18-98	457.74	15.12	442.62	05-18-98	Not sampled: well sampled annually, during the fourth quarter								
MW-2	11-02-98	457.74	26.66	431.08	11-02-98	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-2	06-04-99	457.74	17.74	440.00	06-04-99	Not sampled: well sampled annually, during the fourth quarter								
MW-2	11-11-99	457.74	18.75	438.99	11-11-99	<50	<0.5	<0.5	<0.5	<1	<3		0.82	P
MW-2	06-20-00	457.74	17.21	440.53	06-20-00	Not sampled: well sampled annually, during the fourth quarter							2.6	

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Date Sampled	IPH					Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
						Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)						
MW-2	08-29-00	457.74	18.25	439.49	08-29-00	Not sampled: well sampled annually, during the fourth quarter							2.65		
MW-2	11-29-00	457.74	20.69	437.05	11-29-00	<50.0	<0.500	0.581	0.827	4.38	<2.50		0.88	P	
MW-2	05-02-01	457.74	22.69	435.05	05-02-01	Not sampled: well sampled annually, during the fourth quarter									
MW-2	08-15-01	457.74	25.15	432.59	08-15-01	Not sampled: well sampled annually, during the fourth quarter									
MW-2	10-05-01	457.74	25.22	432.52	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.80	P	
MW-2	01-21-02	457.74	24.70	433.04	01-21-02	Not sampled: well sampled annually, during the fourth quarter									
MW-2	04-26-02	457.74	24.53	433.21	04-26-02	Not sampled: well sampled annually, during the fourth quarter									
MW-3	03-23-95	456.97	14.13	442.84	03-23-95	Not sampled: well sampled annually, during the fourth quarter									
MW-3	05-31-95	456.97	14.46	442.51	05-31-95	Not sampled: well sampled annually, during the fourth quarter									
MW-3	08-31-95	456.97	17.06	439.91	08-31-95	Not sampled: well sampled annually, during the fourth quarter									
MW-3	11-28-95	456.97	16.27	440.70	11-28-95	<50	<0.5	<0.5	<0.5	<0.5	<3				
MW-3	02-22-96	456.97	13.14	443.83	02-22-96	Not sampled: well sampled annually, during the fourth quarter									
MW-3	05-23-96	456.97	13.95	443.02	05-23-96	Not sampled: well sampled annually, during the fourth quarter									
MW-3	08-08-96	456.97	16.03	440.94	08-08-96	Not sampled: well sampled annually, during the fourth quarter									
MW-3	11-07-96	456.97	17.26	439.71	11-07-96	<50	<0.5	0.9	<0.5	1.5	<3				
MW-3	03-27-97	456.97	14.85	442.12	03-28-97	Not sampled: well sampled annually, during the fourth quarter									
MW-3	05-19-97	456.97	16.40	440.57	05-19-97	Not sampled: well sampled annually, during the fourth quarter									
MW-3	05-18-98	456.97	14.66	442.31	05-18-98	Not sampled: well sampled annually, during the fourth quarter									
MW-3	11-02-98	456.97	25.85	431.12	11-02-98	<1,000	<10	<10	<10	<10	1,700				
MW-3	06-04-99	456.97	17.35	439.62	06-04-99	Not sampled: well sampled annually, during the fourth quarter									
MW-3	11-11-99	456.97	18.58	438.39	11-11-99	<50	<0.5	<0.5	<0.5	<1	<3		0.79	P	
MW-3	06-20-00	456.97	17.03	439.94	06-20-00	Not sampled: well sampled annually, during the fourth quarter							2.8		
MW-3	08-29-00	456.97	18.25	438.72	08-29-00	Not sampled: well sampled annually, during the fourth quarter							3.39		
MW-3	11-29-00	456.97	20.27	436.70	11-29-00	<50.0	<0.500	<0.500	1.08	3.34	<2.50		0.67		
MW-3	05-02-01	456.97	22.33	434.64	05-02-01	Not sampled: well sampled annually, during the fourth quarter									
MW-3	08-15-01	456.97	25.03	431.94	08-15-01	Not sampled: well sampled annually, during the fourth quarter									
MW-3	10-05-01	456.97	25.17	431.80	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.79	P	
MW-3	01-21-02	456.97	24.79	432.18	01-21-02	Not sampled: well sampled annually, during the fourth quarter									
MW-3	04-26-02	456.97	24.27	432.70	04-26-02	Not sampled: well sampled annually, during the fourth quarter									

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Date Sampled	TPH			Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
						Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)						
MW-4	03-23-95	456.55	15.39	441.16	03-23-95	210	2.1	0.6	0.8	2.1	--			
MW-4	05-31-95	456.55	15.32	441.23	05-31-95	190	1.6	<0.5	0.7	0.9	--			
MW-4	08-31-95	456.55	17.86	438.69	08-31-95	160	1.2	0.7	<0.5	<2	<3			
MW-4	11-28-95	456.55	17.18	439.37	11-29-95	150	0.7	<0.5	0.7	1.4	<3			
MW-4	02-22-96	456.55	14.80	441.75	02-22-96	100	<0.5	<0.5	<0.6	0.8	<3			
MW-4	05-23-96	456.55	14.43	442.12	05-23-96	86	<0.5	<0.5	<0.5	<0.7	<3			
MW-4	08-08-96	456.55	16.80	439.75	08-08-96	98	<0.5	<0.5	<0.5	1.3	<3			
MW-4	11-07-96	456.55	17.90	438.65	11-13-96	140	<0.5	<0.5	<0.9	1.3	<3			
MW-4	03-27-97	456.55	15.22	441.33	03-28-97	<50	1.1	<0.5	<0.5	1.6	<3			
MW-4	05-19-97	456.55	16.98	439.57	05-19-97	62	<0.5	<0.5	<0.5	0.6	<3			
MW-4	05-18-98	456.55	14.99	441.56	05-18-98	<50	<0.5	<0.5	<0.5	<0.5	64			
MW-4	11-02-98	456.55	25.29	431.26	11-02-98	74	<0.5	<0.5	<0.5	<0.5	96			
MW-4	06-04-99	456.55	17.95	438.60	06-04-99	100	<0.5	<0.5	<0.5	<0.5	38		P	
MW-4	11-11-99	456.55	19.25	437.30	11-11-99	88	<0.5	<0.5	<0.5	<1	10	0.77	P	
DUP 1	06-20-00	NR	NR	NR	06-20-00	<50.0	<0.500	<0.500	<0.500	<0.500	62.3			
MW-4	06-20-00	456.55	17.79	438.76	06-20-00	<50.0	<0.500	<0.500	<0.500	<0.500	82.4	1.3	P	
MW-4	08-29-00	456.55	18.90	437.65	08-29-00	56.0	<0.500	<0.500	<0.500	<0.500	47.9	0.97	P	
MW-4	11-29-00	456.55	20.50	436.05	11-29-00	<50.0	<0.500	<0.500	<0.500	<0.500	9.88	10.4	P	
MW-4	05-02-01	456.55	22.65	433.90	05-02-01	<50.0	<0.500	<0.500	<0.500	<0.500	61.1	70.9	P	
DUP 1	05-02-01	NR	NR	NR	05-02-01	<50.0	<0.500	<0.500	<0.500	<0.500	59.4	68.4		
MW-4	08-15-01	NR	NR	NR	08-15-01	Not sampled: well dry								
MW-4	10-05-01	NR	NR	NR	10-05-01	Not sampled: well dry								
MW-4	01-21-02	NR	NR	NR	01-21-02	Not sampled: well dry								
MW-4	04-26-02	456.55	20.15	436.40	04-26-02	110	<0.50	<0.50	<0.50	<0.50	150	0.21	P	
MW-5	03-23-95	455.84	13.97	441.87	03-23-95	68	4.2	3.4	2.3	12	--			
MW-5	05-31-95	455.84	NR	NR	05-31-95	Not sampled: well was inaccessible								
MW-5	08-31-95	455.84	NR	NR	08-31-95	Not sampled: well was inaccessible								
MW-5	11-28-95	455.84	16.46	439.38	11-29-95	960	41	24	38	210	<5			
MW-5	02-22-96	455.84	13.34	442.50	02-22-96	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-5	05-23-96	455.84	14.36	441.48	05-23-96	7,100	440	180	270	1,700	<50			
MW-5	08-08-96	455.84	16.38	439.46	08-08-96	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-5	11-07-96	455.84	17.26	438.58	11-13-96	5,600	230	86	210	1,100	<80			

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Date Sampled	TPH			Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)	
						Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)							
MW-5	03-27-97	455.84	15.95	439.89	03-28-97	Not sampled: well sampled semi-annually, during the second and fourth quarters									
MW-5	05-19-97	455.84	16.64	439.20	05-20-97	7,600	480	140	400	1,200	<40				
MW-5	05-18-98	455.84	14.75	441.09	05-18-98	990	46	13	45	180	4				
MW-5	11-02-98	455.84	27.83	428.01	11-02-98	14,000	690	140	550	2,200	100				
MW-5	06-04-99	455.84	17.47	438.37	06-04-99	8,300	690	370	90	440	1,400		P		
MW-5	11-11-99	455.84	18.80	437.04	11-11-99	18,000	900	190	1,100	3,200	72	0.86	P		
MW-5	06-20-00	455.84	17.14	438.70	06-20-00	10,200	618	122	832	2,020	<50.0	1.6	P		
MW-5	08-29-00	455.84	18.60	437.24	08-29-00	12,300	436	166	711	2,120	517	0.79	P		
MW-5	11-29-00	455.84	20.57	435.27	11-29-00	26,000	491	149	1,090	3,810	671	<20.0	0.51	P	
MW-5	05-02-01	NR	NR	NR	05-02-01	Well Abandoned									
MW-6	03-23-95	454.93	13.38	441.55	03-23-95	<50	1.5	<0.5	<0.5	0.9	--				
MW-6	05-31-95	454.93	13.96	440.97	05-31-95	<50	<0.5	<0.5	<0.5	<0.5	--				
MW-6	08-31-95	454.93	16.71	438.22	08-31-95	150	9	1.8	4	12	<3				
MW-6	11-28-95	454.93	15.65	439.28	11-29-95	<50	0.6	<0.5	<0.5	0.8	<3				
MW-6	02-22-96	454.93	12.53	442.40	02-22-96	<50	1.9	<0.5	0.8	2.1	<3				
MW-6	05-23-96	454.93	13.24	441.69	05-23-96	<50	<0.5	<0.5	<0.5	<0.5	<3				
MW-6	08-08-96	454.93	16.65	438.28	08-08-96	<50	0.5	<0.5	<0.5	0.5	<3				
MW-6	11-07-96	454.93	16.65	438.28	11-08-96	110	5.3	1.3	3.1	6.6	<3				
MW-6	03-27-97	454.93	14.25	440.68	03-28-97	<50	2.3	<0.5	0.9	3.5	4				
MW-6	05-19-97	454.93	15.87	439.06	05-20-97	<50	<0.5	<0.5	<0.5	<0.5	<3				
MW-6	05-18-98	454.93	14.00	440.93	05-18-98	<50	<0.5	<0.5	<0.5	<0.5	<3				
MW-6	11-02-98	454.93	24.95	429.98	11-02-98	<50	1.2	<0.5	<0.5	<0.5	3				
MW-6	06-04-99	454.93	16.68	438.25	06-04-99	310	41	3.8	11	19	33		P		
MW-6	11-11-99	454.93	16.12	438.81	11-11-99	<50	0.5	<0.5	<0.5	<1	<3	0.92	P		
MW-6	06-20-00	454.93	16.63	438.30	06-20-00	<50.0	<0.500	<0.500	<0.500	<0.500	17.3	1.9	P		
DUP	08-29-00	NR	NR	NR	08-29-00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50				
MW-6	08-29-00	454.93	17.91	437.02	08-29-00	<50.0	<0.500	0.551	<0.500	<0.500	<2.50	1.67	P		
MW-6	11-29-00	454.93	20.30	434.63	11-29-00	<50.0	<0.500	<0.500	<0.500	1.03	<2.50	0.79	P		
MW-6	05-02-01	454.93	22.20	432.73	05-02-01	3,230	1,300	33.6	89.4	136	1,810	2,310	0.95	P	
MW-6	08-15-01	454.93	27.95	426.98	08-15-01	<50	<0.50	<0.50	<0.50	<0.50	21	25	0.63	P	
MW-6	10-05-01	454.93	28.05	426.88	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.85	P	
MW-6	01-21-02	454.93	26.81	428.12	01-21-02	<50	<0.50	<0.50	<0.50	<0.50	<5.0		0.91	P	
MW-6	04-26-02	454.93	26.27	428.66	04-26-02	<50	<0.50	<0.50	<0.50	<0.50	17		0.75	P	

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Date Sampled	TPH				Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
						Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)					
MW-7	03-23-95	454.92	13.29	441.63	03-23-95	<50	<0.5	<0.5	<0.5	<0.5	--			
MW-7	05-31-95	454.92	13.72	441.20	05-31-95	<50	<0.5	<0.5	<0.5	<0.5	--			
MW-7	08-31-95	454.92	16.53	438.39	08-31-95	<50	<0.5	<0.5	<0.5	1.2	<3			
MW-7	11-28-95	454.92	15.50	439.42	11-29-95	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-7	02-22-96	454.92	12.30	442.62	02-22-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-7	05-23-96	454.92	13.02	441.90	05-23-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-7	08-08-96	454.92	NR	NR	08-08-96	Not sampled: unable to locate well								
MW-7	11-07-96	454.92	16.50	438.42	11-08-96	<50	<0.5	<0.5	<0.5	0.8	<3			
MW-7	03-27-97	454.92	14.22	440.70	03-28-97	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-7	05-19-97	454.92	15.74	439.18	05-20-97	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-7	05-18-98	454.92	13.82	441.10	05-18-98	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-7	11-02-98	454.92	24.80	430.12	11-02-98	<50	<0.5	<0.5	<0.5	<0.5	4			
MW-7	06-04-99	454.92	16.55	438.37	06-04-99	<50	<0.5	<0.5	<0.5	<0.5	<3			P
MW-7	11-11-99	454.92	18.02	436.90	11-11-99	<50	<0.5	<0.5	<0.5	<1	<3		1.03	P
MW-7	06-20-00	454.92	16.50	438.42	06-20-00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50		1.3	P
MW-7	08-29-00	454.92	17.80	437.12	08-29-00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50		1.67	P
MW-7	11-29-00	454.92	19.61	435.31	11-29-00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50		0.51	P
MW-7	05-02-01	454.92	22.05	432.87	05-02-01	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	2.66	0.9	P
MW-7	08-15-01	454.92	27.55	427.37	08-15-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.84	P
MW-7	10-05-01	454.92	27.59	427.33	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.62	P
MW-7	01-21-02	454.92	26.50	428.42	01-21-02	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.65	P
MW-7	04-26-02	454.92	26.22	428.70	04-26-02	<50	<0.50	<0.50	<0.50	<0.50	18		0.61	P
MW-8	03-23-95	456.97	11.55	445.42	03-23-95	Not sampled: well sampled annually, during the fourth quarter								
MW-8	05-31-95	456.97	12.37	444.60	05-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-8	08-31-95	456.97	15.68	441.29	08-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-8	11-28-95	456.97	14.15	442.82	11-28-95	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-8	02-22-96	456.97	10.97	446.00	02-22-96	Not sampled: well sampled annually, during the fourth quarter								
MW-8	05-23-96	456.97	11.90	445.07	05-23-96	Not sampled: well sampled annually, during the fourth quarter								
MW-8	08-08-96	456.97	13.85	443.12	08-08-96	Not sampled: well sampled annually, during the fourth quarter								
MW-8	11-07-96	456.97	15.08	441.89	11-08-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-8	03-27-97	456.97	12.96	444.01	03-28-97	Not sampled: well sampled annually, during the fourth quarter								
MW-8	05-19-97	456.97	14.35	442.62	05-19-97	Not sampled: well sampled annually, during the fourth quarter								
MW-8	05-18-98	456.97	12.97	444.00	05-18-98	Not sampled: well sampled annually, during the fourth quarter								
MW-8	11-02-98	456.97	26.01	430.96	11-02-98	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-8	06-04-99	456.97	15.53	441.44	06-04-99	Not sampled: well sampled annually, during the fourth quarter								
MW-8	11-11-99	456.97	16.67	440.30	11-11-99	<50	<0.5	<0.5	<0.5	<1	<3		1.01	P
MW-8	06-20-00	456.97	15.29	441.68	06-20-00	Not sampled: well sampled annually, during the fourth quarter							2.4	

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Date Sampled	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-8	08-29-00	456.97	16.59	440.38	08-29-00	Not sampled: well sampled annually, during the fourth quarter							3.37	
MW-8	11-29-00	456.97	19.80	437.17	11-29-00	<50.0	<0.500	<0.500	<0.500	0.772	<2.50		1.35	P
MW-8	05-02-01	456.97	22.12	434.85	05-02-01	Not sampled: well sampled annually, during the fourth quarter								
MW-8	08-15-01	456.97	27.63	429.34	08-15-01	Not sampled: well sampled annually, during the fourth quarter								
MW-8	10-05-01	456.97	27.65	429.32	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		1.07	P
MW-8	01-21-02	456.97	26.73	430.24	01-21-02	Not sampled: well sampled annually, during the fourth quarter								
MW-8	04-26-02	456.97	26.39	430.58	04-26-02	Not sampled: well sampled annually, during the fourth quarter								
MW-9	03-23-95	456.18	13.18	443.00	03-23-95	Not sampled: well sampled annually, during the fourth quarter								
MW-9	05-31-95	456.18	12.66	443.52	05-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-9	08-31-95	456.18	14.40	441.78	08-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-9	11-28-95	456.18	14.26	441.92	11-29-95	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-9	02-22-96	456.18	12.05	444.13	02-22-96	Not sampled: well sampled annually, during the fourth quarter								
MW-9	05-23-96	456.18	12.07	444.11	05-23-96	Not sampled: well sampled annually, during the fourth quarter								
MW-9	08-08-96	456.18	14.12	442.06	08-08-96	Not sampled: well sampled annually, during the fourth quarter								
MW-9	11-07-96	456.18	15.42	440.76	11-08-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-9	03-27-97	456.18	13.01	443.17	03-28-97	Not sampled: well sampled annually, during the fourth quarter								
MW-9	05-19-97	456.18	14.60	441.58	05-19-97	Not sampled: well sampled annually, during the fourth quarter								
MW-9	05-18-98	456.18	12.60	443.58	05-18-98	Not sampled: well sampled annually, during the fourth quarter								
MW-9	11-02-98	456.18	25.08	431.10	11-02-98	Not sampled								
MW-9	06-04-99	456.18	15.87	440.31	06-04-99	<50	<0.5	<0.5	<0.5	<0.5	<3			P
MW-9	11-11-99	456.18	17.02	439.16	11-11-99	<50	<0.5	<0.5	<0.5	<1	<3		0.96	P
MW-9	06-20-00	456.18	15.54	440.64	06-20-00	Not sampled: well sampled annually, during the fourth quarter							2.1	
MW-9	08-29-00	456.18	16.81	439.37	08-29-00	Not sampled: well sampled annually, during the fourth quarter							2.59	
MW-9	11-29-00	456.18	18.81	437.37	11-29-00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50		0.81	P
MW-9	05-02-01	456.18	22.09	434.09	05-02-01	Not sampled: well sampled annually, during the fourth quarter								
MW-9	08-15-01	456.18	27.59	428.59	08-15-01	Not sampled: well sampled annually, during the fourth quarter								
MW-9	10-05-01	456.18	27.63	428.55	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.93	P
DUP	10-05-01	NR	NR	NR	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5			
MW-9	01-21-02	456.18	26.77	429.41	01-21-02	Not sampled: well sampled annually, during the fourth quarter								
MW-9	04-26-02	456.18	26.41	429.77	04-26-02	Not sampled: well sampled annually, during the fourth quarter								

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater		TPH					MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
				Elevation (ft-MSL)	Date Sampled	Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)				
MW-10	03-23-95	456.85	14.86	441.99	03-23-95	Not sampled: well sampled annually, during the fourth quarter								
MW-10	05-31-95	456.85	15.63	441.22	05-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-10	08-31-95	456.85	14.40	442.45	08-31-95	Not sampled: well sampled annually, during the fourth quarter								
MW-10	11-28-95	456.85	17.24	439.61	11-29-95	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-10	02-22-96	456.85	14.30	442.55	02-22-96	Not sampled: well sampled annually, during the fourth quarter								
MW-10	05-23-96	456.85	14.93	441.92	05-23-96	Not sampled: well sampled annually, during the fourth quarter								
MW-10	08-08-96	456.85	17.20	439.65	08-08-96	Not sampled: well sampled annually, during the fourth quarter								
MW-10	11-07-96	456.85	18.25	438.60	11-08-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-10	03-27-97	456.85	15.77	441.08	03-28-97	Not sampled: well sampled annually, during the fourth quarter								
MW-10	05-19-97	456.85	17.38	439.47	05-19-97	Not sampled: well sampled annually, during the fourth quarter								
MW-10	05-18-98	456.85	15.47	441.38	05-18-98	Not sampled: well sampled annually, during the fourth quarter								
MW-10	11-02-98	456.85	26.94	429.91	11-02-98	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-10	06-04-99	456.85	17.19	439.66	06-04-99	Not sampled: well sampled annually, during the fourth quarter								
MW-10	11-11-99	456.85	19.35	437.50	11-11-99	<50	<0.5	<0.5	<0.5	<1	<3		0.68	P
MW-10	06-20-00	456.85	17.92	438.93	06-20-00	Not sampled: well sampled annually, during the fourth quarter							2.9	
MW-10	08-29-00	456.85	19.15	437.70	08-29-00	Not sampled: well sampled annually, during the fourth quarter							1.54	
MW-10	11-29-00	456.85	21.30	435.55	11-29-00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50		0.95	P
MW-10	05-02-01	456.85	29.95	426.90	05-02-01	Not sampled: well sampled annually, during the fourth quarter								
MW-10	08-15-01	456.85	30.74	426.11	08-15-01	Not sampled: well sampled annually, during the fourth quarter								
MW-10	10-05-01	456.85	30.95	425.90	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		0.89	P
MW-10	01-21-02	456.85	28.97	427.88	01-21-02	Not sampled: well sampled annually, during the fourth quarter								
MW-10	04-26-02	456.85	28.50	428.35	04-26-02	Not sampled: well sampled annually, during the fourth quarter								
MW-11	03-23-95	455.07	17.34	437.73	03-23-95	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-11	05-31-95	455.07	16.68	438.39	05-31-95	<50	<0.5	<0.5	<0.5	<0.5	--			
MW-11	08-31-95	455.07	20.20	434.87	08-31-95	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-11	11-28-95	455.07	17.80	437.27	11-28-95	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-11	02-22-96	455.07	15.97	439.10	02-22-96	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-11	05-23-96	455.07	15.50	439.57	05-23-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-11	08-08-96	455.07	17.77	437.30	08-08-96	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-11	11-07-96	455.07	17.45	437.62	11-13-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-11	03-27-97	455.07	15.77	439.30	03-28-97	Not sampled: well sampled semi-annually, during the second and fourth quarters								

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing	Depth to	Groundwater	Date Sampled	TPH			Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
		Elevation (ft-MSL)	Water (feet)	Elevation (ft-MSL)		Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)						
MW-11	05-19-97	455.07	16.80	438.27	05-19-97	<50	1.1	4.5	<0.5	2.2	<3			
MW-11	05-18-98	455.07	15.38	439.69	05-18-98	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-11	11-02-98	455.07	24.15	430.92	11-02-98	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-11	06-04-99	455.07	18.39	436.68	06-04-99	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-11	11-11-99	455.07	18.62	436.45	11-11-99	<50	<0.5	<0.5	<0.5	<1	<3	1.01	P	
MW-11	06-20-00	455.07	17.82	437.25	06-20-00	<50.0	0.631	<0.500	<0.500	<0.500	<2.50	4.1	P	
MW-11	08-29-00	455.07	19.50	435.57	08-29-00	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-11	11-29-00	455.07	20.60	434.47	11-29-00	<50.0	<0.500	<0.500	<0.500	1.63	<2.50	0.97	P	
MW-11	05-02-01	455.07	22.42	432.65	05-02-01	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.04	P	
MW-11	08-15-01	455.07	27.41	427.66	08-15-01	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-11	10-05-01	455.07	27.59	427.48	10-05-01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.05	P	
MW-11	01-21-02	455.07	26.75	428.32	01-21-02	Not sampled: well sampled semi annually, during the second quarter								
MW-11	04-26-02	455.07	26.50	428.57	04-26-02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.47	P	
MW-12	03-23-95	455.04	15.54	439.50	03-23-95	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-12	05-31-95	455.04	15.66	439.38	05-31-95	<50	<0.5	<0.5	<0.5	<0.5	--			
MW-12	08-31-95	455.04	18.23	436.81	08-31-95	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-12	11-28-95	455.04	17.53	437.51	11-28-95	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-12	02-22-96	455.04	14.45	440.59	02-22-96	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-12	05-23-96	455.04	14.88	440.16	05-23-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-12	08-08-96	455.04	17.30	437.74	08-08-96	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-12	11-07-96	455.04	18.30	436.74	11-13-96	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-12	03-27-97	455.04	15.69	439.35	03-28-97	Not sampled: well sampled semi-annually, during the second and fourth quarters								
MW-12	05-19-97	455.04	17.41	437.63	05-19-97	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-12	05-18-98	455.04	15.21	439.83	05-18-98	<50	<0.5	<0.5	<0.5	<0.5	<3			
MW-12	11-02-98	455.04	NR	NR	11-02-98	Not sampled: unable to locate well								
MW-12	06-04-99	455.04	NR	NR	06-04-99	Not sampled: unable to locate well								
MW-12	11-11-99	455.04	NR	NR	11-11-99	Not sampled: unable to locate well								
MW-12	06-20-00	455.04	NR	NR	06-20-00	Not sampled: unable to locate well								
MW-12	08-29-00	455.04	NR	NR	08-29-00	Not sampled: unable to locate well								
MW-12	11-29-00	455.04	NR	NR	11-29-00	Not sampled: unable to locate well								
MW-12	05-02-01	455.04	NR	NR	05-02-01	Not sampled: unable to locate well								
MW-12	08-15-01	455.04	NR	NR	08-15-01	Not sampled: unable to locate well								
MW-12	10-05-01	455.04	NR	NR	10-05-01	Not sampled: unable to locate well								
MW-12	01-21-02	455.04	NR	NR	01-21-02	Not sampled: unable to locate well								
MW-12	04-26-02	455.04	NR	NR	04-26-02	Not sampled: unable to locate well								
MW-13	01-21-02	NR	24.61	NR	01-21-02	15,000	160	68	1,700	3,200	4,900	5,200	0.71	P

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Date Sampled	TPH Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
MW-13	04-26-02	NR	24.2	NR	04-26-02	17,000	98	<100	1,700	3,400	1,600		0.6	P

Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present*

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Date Sampled	TPH					Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
						Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)						
VW-1	08-29-00	NR	17.40	NR	08-29-00	2,360	27.6	11.6	26.3	33.2	110		4.47	P	
VW-1	11-29-00	NR	18.75	NR	11-29-00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50		0.46	P	
VW-1	05-02-01	NR	21.59	NR	05-02-01	Well not sampled									
VW-1	08-15-01	NR	24.62	NR	08-15-01	1,200	6.3	4.3	1.7	1.3	20	17		P	
DUP	08-15-01	NR	NR	NR	08-15-01	1,200	6.2	4.1	1.8	1.1	20	17			
VW-1	10-05-01	NR	24.75	NR	10-05-01	1,500	140	55	28	82	610	660	0.71	P	
VW-1	01-21-02	NR	24.59	NR	01-21-02	6,700	810	350	270	1,100	2,600	3,400	0.69	P	
DUP	01-21-02	NR	NR	NR	01-21-02	8,000	770	320	96	1,100	2,500	3,200			
VW-1	04-26-02	NR	24.27	NR	04-26-02	370	26	2.1	6.6	1.7	48		0.50	P	
DUP	04-26-02	NR	NR	NR	04-26-02	350	24	1.6	5.9	1.6	45				
VW-2	08-29-00	NR	NR	NR	08-29-00	Well inaccessible									
VW-2	11-29-00	NR	NR	NR	11-29-00	Well inaccessible									
VW-2	05-02-01	NR	NR	NR	05-02-01	Well not sampled									
VW-2	05-02-01	NR	NR	NR	08-15-01	Well not sampled									
VW-2	10-05-01	NR	NR	NR	10-05-01	Well inaccessible									
VW-2	01-21-02	NR	NR	NR	01-21-02	Well inaccessible									
VW-2	04-26-02	NR	NR	NR	04-26-02	Not sampled: unable to locate well									
VW-3	08-29-00	NR	17.93	NR	08-29-00	25,400	3,540	10,600	1,280	43,000	44,700			P	
VW-3	11-29-00	NR	19.75	NR	11-29-00	54,200	9,450	1,870	2,350	9,400	12,300	15,100	0.47	P	
VW-3	05-02-01	NR	NR	NR	05-02-01	Well abandoned									
VW-4	08-29-00	NR	NR	NR	08-29-00	Well inaccessible									
VW-4	11-29-00	NR	19.45	NR	11-29-00	37,500	4,510	206	2,100	9,030	6,770	7,880	0.42	P	
DUP	11-29-00	NR	NR	NR	11-29-00	36,100	3,700	206	1,850	7,890	6,430	8,460			
VW-4	05-02-01	NR	21.66	NR	05-02-01	Well not sampled									
VW-4	08-15-01	NR	NR	NR	08-15-01	Well not sampled									
VW-4	10-05-01	NR	NR	NR	10-05-01	Not sampled: well dry									
VW-4	01-21-02	NR	NR	NR	01-21-02	Not sampled: well dry									
VW-4	04-26-02	NR	NR	NR	04-26-02	Not sampled: well dry									

**Table 1
Summary of Groundwater Elevation and Analytical Data
Petroleum Hydrocarbons and Their Constituents
1995 - Present***

**ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California**

Well Number	Date Gauged	Top of Casing Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Date Sampled	TPH			Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen (mg/L)	Purged/ Not Purged (P/NP)
						Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)						

Notes:

--: Not analyzed, not applicable

NR: not reported, data not available or not measurable

TPH: Total petroleum hydrocarbons by modified EPA method 8015

BTEX: Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 11/11/99)

MTBE: Methyl tertiary butyl ether by EPA method 8021B. (EPA method 8020 prior to 11/11/99). Any MTBE Detection by 8021B was confirmed by EPA method 8260 beginning Third Quarter 2000 (08-29-00 Results)

ft-MSL: elevation in feet, relative to mean sea level

µg/L: micrograms per liter

mg/L: milligrams per liter

<: less than laboratory detection limit stated to the right

*: For previous historical groundwater elevation and analytical data please refer to *Fourth Quarter 1995 Groundwater Monitoring Program Results, ARCO Service Station 6113,*

Livermore, California, (EMCON, February 26, 1996).

DUP: duplicate

Table 2
Groundwater Flow Direction and Gradient

ARCO Service Station 6113
785 East Stanley Boulevard, Livermore, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
03-23-95	Northwest	0.035
05-31-95	North-Northwest	0.028
08-31-95	North-Northwest	0.03
11-28-95	North-Northwest	0.025
02-22-96	North-Northwest	0.031
05-23-96	North-Northwest	0.025
08-08-96	North	0.019
11-07-96	North-Northeast	0.019
03-27-97	North-Northwest	0.021
05-19-97	North	0.019
05-18-98	North	0.02
11-02-98	North	0.02
06-04-99	North	0.02
11-11-99	North	0.03
06-20-00	North-Northeast	0.014
08-29-00	North-Northeast	0.013
11-29-00	North-Northwest	0.026
05-02-01	Northeast	0.026
08-15-01	Northeast	0.047
10-05-01	Northeast	0.031
01-21-02	Northeast	0.033
04-26-02	Northeast	0.031

**URS QUARTERLY MONITORING REPORT
DISCLAIMER
GROUP ENVIRONMENTAL MANAGEMENT COMPANY SITES**

This report is based on data, site conditions, and other information that are generally applicable as of the date of the report, and the conclusions and recommendations herein are therefore applicable only to that time frame.

Background information, including but not limited to previous field measurements, analytical results, site plans, and other data has been furnished to URS by Group Environmental Management Company, its previous consultants, and/or third parties that URS has used in preparing this report. URS has relied on this information as furnished. URS is not responsible for nor has it confirmed the accuracy of this information.

The analytical data provided by the laboratory approved by Group Environmental Management Company have been reviewed and verified by that laboratory. URS has not performed an independent review of the data and is neither responsible for nor has confirmed the accuracy of these data. Field measurements have been supplied by a groundwater sampling subcontractor. URS has not performed an independent review of the field sampling data and is neither responsible for nor has confirmed the accuracy of these data.

ATTACHMENT A

GROUNDWATER SAMPLING PROCEDURES

ATTACHMENT A

GROUNDWATER SAMPLING 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 that do not have submerged screens are then sampled without purging. Wells that have submerged screens are purged of approximately three casing volumes of water (or to dryness) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory.

ATTACHMENT B

**CERTIFIED ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY**



**Sequoia
Analytical**

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

13 May, 2002

Ron Scheele
Cambria - Emeryville
6262 Hollis St.
Emeryville, CA 94608

RE: Facility 6113, Livermore
Sequoia Report: MLD0579

Enclosed are the results of analyses for samples received by the laboratory on 04/29/02 18:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

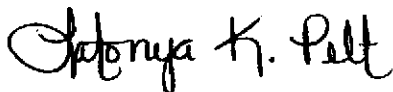
Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	MLD0579-01	Water	04/26/02 07:45	04/29/02 18:35
MW-6	MLD0579-02	Water	04/26/02 08:25	04/29/02 18:35
MW-7	MLD0579-03	Water	04/26/02 09:05	04/29/02 18:35
MW-11	MLD0579-04	Water	04/26/02 07:30	04/29/02 18:35
MW-13	MLD0579-05	Water	04/26/02 10:05	04/29/02 18:35
VW-1	MLD0579-06	Water	04/26/02 09:45	04/29/02 18:35
DUP	MLD0579-07	Water	04/26/02 00:00	04/29/02 18:35

Sequoia Analytical - Morgan Hill



Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

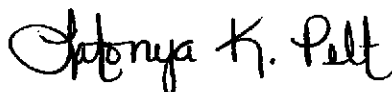
Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

**Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B
Sequoia Analytical - Morgan Hill**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Limit								
MW-4 (MLD0579-01) Water Sampled: 04/26/02 07:45 Received: 04/29/02 18:35											
Gasoline Range Organics (C6-C10)	110	20	50		ug/l	1	2E02002	05/02/02	05/02/02	8015Bm/802 1B	P-03
Benzene	ND	0.088	0.50		"	"	"	"	"	"	
Toluene	ND	0.075	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.078	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.13	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	150	0.92	2.5		"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		82.7 %	70-130				"	"	"	"	
MW-6 (MLD0579-02) Water Sampled: 04/26/02 08:25 Received: 04/29/02 18:35											
Gasoline Range Organics (C6-C10)	21	20	50		ug/l	1	2E02002	05/02/02	05/02/02	8015Bm/802 1B	J
Benzene	ND	0.088	0.50		"	"	"	"	"	"	
Toluene	ND	0.075	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.078	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.13	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	17	0.92	2.5		"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.9 %	70-130				"	"	"	"	
MW-7 (MLD0579-03) Water Sampled: 04/26/02 09:05 Received: 04/29/02 18:35											
Gasoline Range Organics (C6-C10)	ND	20	50		ug/l	1	2E02002	05/02/02	05/02/02	8015Bm/802 1B	
Benzene	ND	0.088	0.50		"	"	"	"	"	"	
Toluene	ND	0.075	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.078	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.13	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	18	0.92	2.5		"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		83.7 %	70-130				"	"	"	"	

Sequoia Analytical - Morgan Hill



Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

**Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B
Sequoia Analytical - Morgan Hill**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Limit								
MW-11 (MLD0579-04) Water Sampled: 04/26/02 07:30 Received: 04/29/02 18:35											
Gasoline Range Organics (C6-C10)	ND	20	50		ug/l	1	2E02002	05/02/02	05/02/02	8015Bm/802 1B	
Benzene	ND	0.088	0.50		"	"	"	"	"	"	
Toluene	ND	0.075	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.078	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.13	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.92	2.5		"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.1 %	70-130				"	"	"	"	
MW-13 (MLD0579-05) Water Sampled: 04/26/02 10:05 Received: 04/29/02 18:35											
Gasoline Range Organics (C6-C10)	17000	4100	10000		ug/l	200	2E02002	05/02/02	05/02/02	8015Bm/802 1B	P-01
Benzene	98	18	100		"	"	"	"	"	"	J
Toluene	ND	15	100		"	"	"	"	"	"	
Ethylbenzene	1700	16	100		"	"	"	"	"	"	
Xylenes (total)	3400	26	100		"	"	"	"	"	"	
Methyl tert-butyl ether	1600	180	500		"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.9 %	70-130				"	"	"	"	
VW-1 (MLD0579-06) Water Sampled: 04/26/02 09:45 Received: 04/29/02 18:35											
Gasoline Range Organics (C6-C10)	370	20	50		ug/l	1	2E07002	05/07/02	05/07/02	8015Bm/802 1B	P-01
Benzene	26	0.088	0.50		"	"	"	"	"	"	
Toluene	2.1	0.075	0.50		"	"	"	"	"	"	
Ethylbenzene	6.6	0.078	0.50		"	"	"	"	"	"	
Xylenes (total)	1.7	0.13	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	48	0.92	2.5		"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		131 %	70-130				"	"	"	"	S-04

Sequoia Analytical - Morgan Hill

Latonya K. Pelt

Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

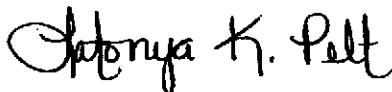
Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		MDL	Limit							
DUP (MLD0579-07) Water Sampled: 04/26/02 00:00 Received: 04/29/02 18:35										
Gasoline Range Organics (C6-C10)	350	20	50	ug/l	1	2E07002	05/07/02	05/07/02	8015Bm/802 1B	P-01
Benzene	24	0.088	0.50	"	"	"	"	"	"	"
Toluene	1.6	0.075	0.50	"	"	"	"	"	"	"
Ethylbenzene	5.9	0.078	0.50	"	"	"	"	"	"	"
Xylenes (total)	1.6	0.13	0.50	"	"	"	"	"	"	"
Methyl tert-butyl ether	45	0.92	2.5	"	"	"	"	"	"	"
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>91.6 %</i>	<i>70-130</i>			"	"	"	"	

Sequoia Analytical - Morgan Hill



Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		MDL	Limit							
MW-13 (MLD0579-05) Water Sampled: 04/26/02 10:05 Received: 04/29/02 18:35										
Ethanol	ND		4000	ug/l	100	2E07018	05/06/02	05/06/02	EPA 8260B	
tert-Butyl alcohol	ND		2000	"	"	"	"	"	"	
Methyl tert-butyl ether	2500		50	"	"	"	"	"	"	
Di-isopropyl ether	ND		50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND		50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND		50	"	"	"	"	"	"	
1,2-Dichloroethane	ND		50	"	"	"	"	"	"	
Ethylene dibromide	ND		50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>96.6 %</i>	<i>60-140</i>							
VW-1 (MLD0579-06) Water Sampled: 04/26/02 09:45 Received: 04/29/02 18:35										
Ethanol	ND		400	ug/l	10	2E07018	05/06/02	05/06/02	EPA 8260B	
tert-Butyl alcohol	ND		200	"	"	"	"	"	"	
Methyl tert-butyl ether	75		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	"	"	"	"	"	"	
Ethylene dibromide	ND		5.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>98.8 %</i>	<i>60-140</i>							
DUP (MLD0579-07) Water Sampled: 04/26/02 00:00 Received: 04/29/02 18:35										
Ethanol	ND		400	ug/l	10	2E07018	05/06/02	05/06/02	EPA 8260B	
tert-Butyl alcohol	ND		200	"	"	"	"	"	"	
Methyl tert-butyl ether	88		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	"	"	"	"	"	"	
Ethylene dibromide	ND		5.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>98.6 %</i>	<i>60-140</i>							

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Latonya Pelt, Project Manager

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2E02002 - EPA 5030B [P/T]											
Blank (2E02002-BLK1)						Prepared & Analyzed: 05/02/02					
Gasoline Range Organics (C6-C10)	ND	20	50	ug/l							
Benzene	ND	0.088	0.50	"							
Toluene	ND	0.075	0.50	"							
Ethylbenzene	ND	0.078	0.50	"							
Xylenes (total)	ND	0.13	0.50	"							
Methyl tert-butyl ether	ND	0.92	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	10.7			"	10.0		107	70-130			
LCS (2E02002-BS1)						Prepared & Analyzed: 05/02/02					
Benzene	10.4	0.088	0.50	ug/l	10.0		104	70-130			
Toluene	10.2	0.075	0.50	"	10.0		102	70-130			
Ethylbenzene	10.6	0.078	0.50	"	10.0		106	70-130			
Xylenes (total)	31.1	0.13	0.50	"	30.0		104	70-130			
Surrogate: a,a,a-Trifluorotoluene	9.78			"	10.0		97.8	70-130			
LCS (2E02002-BS2)						Prepared & Analyzed: 05/02/02					
Gasoline Range Organics (C6-C10)	227	20	50	ug/l	250		90.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	8.73			"	10.0		87.3	70-130			
Matrix Spike (2E02002-MS1)						Source: MLD0542-01 Prepared & Analyzed: 05/02/02					
Gasoline Range Organics (C6-C10)	438	20	50	ug/l	550	ND	79.6	60-140			
Benzene	9.96	0.088	0.50	"	6.60	ND	151	60-140			QM-07
Toluene	40.8	0.075	0.50	"	39.7	ND	103	60-140			
Ethylbenzene	10.5	0.078	0.50	"	9.20	ND	114	60-140			
Xylenes (total)	51.0	0.13	0.50	"	46.1	ND	111	60-140			
Surrogate: a,a,a-Trifluorotoluene	10.1			"	10.0		101	70-130			
Matrix Spike Dup (2E02002-MSD1)						Source: MLD0542-01 Prepared & Analyzed: 05/02/02					
Gasoline Range Organics (C6-C10)	465	20	50	ug/l	550	ND	84.5	60-140	5.98	25	
Benzene	9.85	0.088	0.50	"	6.60	ND	149	60-140	1.11	25	QM-07
Toluene	40.0	0.075	0.50	"	39.7	ND	101	60-140	1.98	25	
Ethylbenzene	10.2	0.078	0.50	"	9.20	ND	111	60-140	2.90	25	
Xylenes (total)	49.5	0.13	0.50	"	46.1	ND	107	60-140	2.99	25	
Surrogate: a,a,a-Trifluorotoluene	8.97			"	10.0		89.7	70-130			

Sequoia Analytical - Morgan Hill

Latonya K. Pelt

Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 2E07002 - EPA 5030B [P/T]

Blank (2E07002-BLK1)

Prepared & Analyzed: 05/07/02

Gasoline Range Organics (C6-C10)	ND	20	50	ug/l							
Benzene	ND	0.088	0.50	"							
Toluene	ND	0.075	0.50	"							
Ethylbenzene	ND	0.078	0.50	"							
Xylenes (total)	ND	0.13	0.50	"							
Methyl tert-butyl ether	ND	0.92	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	11.9			"	10.0		119	70-130			

LCS (2E07002-BS1)

Prepared & Analyzed: 05/07/02

Benzene	11.8	0.088	0.50	ug/l	10.0		118	70-130			
Toluene	11.7	0.075	0.50	"	10.0		117	70-130			
Ethylbenzene	12.1	0.078	0.50	"	10.0		121	70-130			
Xylenes (total)	35.4	0.13	0.50	"	30.0		118	70-130			
Surrogate: a,a,a-Trifluorotoluene	12.5			"	10.0		125	70-130			

LCS (2E07002-BS2)

Prepared & Analyzed: 05/07/02

Gasoline Range Organics (C6-C10)	217	20	50	ug/l	250		86.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	13.4			"	10.0		134	70-130			S-02

LCS Dup (2E07002-BSD1)

Prepared & Analyzed: 05/07/02

Benzene	10.8	0.088	0.50	ug/l	10.0		108	70-130	8.85	25	
Toluene	10.7	0.075	0.50	"	10.0		107	70-130	8.93	25	
Ethylbenzene	11.0	0.078	0.50	"	10.0		110	70-130	9.52	25	
Xylenes (total)	32.2	0.13	0.50	"	30.0		107	70-130	9.47	25	
Surrogate: a,a,a-Trifluorotoluene	10.5			"	10.0		105	70-130			

LCS Dup (2E07002-BSD2)

Prepared & Analyzed: 05/07/02

Gasoline Range Organics (C6-C10)	211	20	50	ug/l	250		84.4	70-130	2.80	25	
Surrogate: a,a,a-Trifluorotoluene	9.02			"	10.0		90.2	70-130			

Sequoia Analytical - Morgan Hill

Latonya K. Pelt

Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

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

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 2E07018 - EPA 5030B P/T

Blank (2E07018-BLK1)

Prepared & Analyzed: 05/06/02

Ethanol	ND		40	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	"							
Ethylene dibromide	ND		0.50	"							

Surrogate: 1,2-Dichloroethane-d4 4.75 " 5.00 95.0 60-140

LCS (2E07018-BS1)

Prepared & Analyzed: 05/06/02

Methyl tert-butyl ether	10.2		0.50	ug/l	10.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	4.85			"	5.00		97.0	60-140			

Matrix Spike (2E07018-MS1)

Source: MLD0579-06

Prepared: 05/06/02 Analyzed: 05/07/02

Methyl tert-butyl ether	192		5.0	ug/l	100	75	117	70-130			
Surrogate: 1,2-Dichloroethane-d4	5.18			"	5.00		104	60-140			

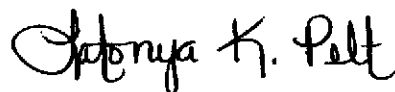
Matrix Spike Dup (2E07018-MSD1)

Source: MLD0579-06

Prepared: 05/06/02 Analyzed: 05/07/02

Methyl tert-butyl ether	191		5.0	ug/l	100	75	116	70-130	0.522	25	
Surrogate: 1,2-Dichloroethane-d4	5.04			"	5.00		101	60-140			

Sequoia Analytical - Morgan Hill



Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cambria - Emeryville
6262 Hollis St.
Emeryville CA, 94608

Project: Facility 6113, Livermore
Project Number: ARCO #6113, Livermore, CA
Project Manager: Ron Scheele

Reported:
07/22/02 14:20

Notes and Definitions

J Estimated value.

P-01 Chromatogram Pattern: Gasoline C6-C10

P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C10

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

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.

S-04 The surrogate recovery for this sample is outside control limits due to interference from the sample matrix.

DET Analyte DETECTED

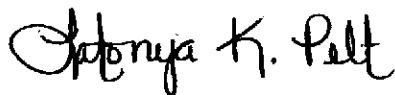
ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Sequoia Analytical - Morgan Hill



Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ARCO Products Company
Division of Atlantic-Richfield Company

RAT#8

Task Order No. 28864.00

Chain of Custody

ARCO Facility no. 6113	City (Facility) Livermore	Project manager (Consultant) Ron Scheels	Laboratory name Sequoia
ARCO engineer Paul Supple	Telephone no. (ARCO) 925-299-8891	Telephone no. (Consultant) 510-450-1983	Contract number
Consultant name Cambria Env. Tech.		Address (Consultant) 6262 Hollis St. Emeryville Ca	

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	611X EPA 821	STEPPER EPA 821	TPH Method 8015 Gas/T Diesel/T	Oil and Grease 419.1 □ 413.2 □	TPH EPA 418.1/816/503E	EPA 801/6010	EPA 822/8270	EPA 825/8270	TCLP Metals □ VOC □	Semi Metals □ VOC □	CMLMELER 300700 TICU □ STICU □	Lead Cad/DHS □ Lead EPA 7407001 □	Pb, Cd, Cr, Cu, Ni, Mn, Zn, Fe, Al, Ag, As, Ba, Be, Bi, Br, Ca, Co, Cs, K, Li, Mg, Mo, Na, Ni, Pb, Se, Si, Sn, Sr, Tl, U, V, W, Y, Zn	
			Soil	Water	Other	Ice	Acid																
MW-4		4 ✓	X			X	X	4-26-02	7:45		X												
MW-6		4 ✓	X			X	X	4-26-02	8:25		X												
MW-7		4 ✓	X			X	X	4-26-02	9:05		X												
MW-11		4 ✓	X			X	X	4-26-02	7:30		X												
MW-13		7 ✓	X			X	X	4-26-02	10:05		X										X		
VW-1		7 ✓	X			X	X	4-26-02	9:45		X										X		
DUP		7 ✓	X			X	X	4-26-02			X										X		

Method of shipment

Special detection Limit/reporting
Lowest Possible

Special: QAVOC

Remarks
Report results in EDF format

Lab number
MLDD579

Priority Rush
1 Business Day

Rush
2 Business Days

Expedited
5 Business Days

Standard
10 Business Days

Condition of sample:		Temperature received:	
Relinquished by sampler <i>[Signature]</i>	Date 4-28-02	Time 5:00	Received by secure location
Relinquished by Ron Scheels	Date 4-29-02	Time 2:15	Received by [Signature] SEQ
Relinquished by [Signature] SEQ	Date 4/29-2	Time 1835	Received by [Signature]
	Date 4/29/02	Time 1835	

White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant (2-91)

ATTACHMENT C
FIELD DATA SHEETS

WELL DEPTH MEASUREMENTS

Well ID	Time	Product Depth	Water Depth	Product Thickness	Well Depth	Comments
MW-1	6:42		24.19			
MW-2	6:37		24.53			
MW-3	6:40		24.27			
MW-4	6:49		20.15			
MW-6	6:52		26.27			
MW-7	6:54		20.22			
MW-8	6:44		26.39			
MW-9	6:57		26.41			
MW-10	6:35		28.50			
MW-11	6:30		26.50			
MW-12			unable to locate			
MW-13	6:55		24.20			
VW-1	6:50		24.27			
VW-2			unable to locate			
VW-3						
VW-4			slushy (grey silty) soil no water			

Project Name: ARCO 6113

Project Number: 439-1812

Measured By: S. Hill

Date: 4/26/02

WELL SAMPLING FORM

Project Name: ARCO 6113	Cambria Mgr: RAS	Well ID: MW-4
Project Number: 439-1812	Date: 4/26/02	Well Yield: -----
Site Address: 785 East Stanley Blvd Livermore, Ca	Sampling Method:	Well Diameter: 4" PVC
	Disposable bailer	Technician(s): SG
Initial Depth to Water: 20.15	Total Well Depth: 26.65	Water Column Height: 6.5
Volume/ft: .65	1 Casing Volume: 4.22	3 Casing Volumes: 12.67
Purging Device: pump/ bailer	Did Well Dewater?: 10	Total Gallons Purged: 12
Start Purge Time: 7:35	Stop Purge Time: 9:41	Total Time: 6mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. C	pH	Cond. uS	Comments
7:38	4	16.1	7.19	3999	
7:40	8	16.2	7.24	3999	
7:42	12	16.1	7.27	3999	
					DD = 0.21mg/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-4	4/26/02	7:45	voa	HCl	TPHg BTEX MTBE	8020

WELL SAMPLING FORM

Project Name: ARCO 6113	Cambria Mgr: RAS	Well ID: MW-6
Project Number: 439-1812	Date: 4/26/02	Well Yield: -----
Site Address: 785 East Stanley Blvd Livermore, Ca	Sampling Method:	Well Diameter: 4" PVC
	Disposable bailer	Technician(s): SG
Initial Depth to Water: 26.27	Total Well Depth: 68:00	Water Column Height: 41.73
Volume/ft: .65	1 Casing Volume: 27.12	3 Casing Volumes: 81.37
Purging Device: pump/ bailer	Did Well Dewater?: no	Total Gallons Purged: 81
Start Purge Time: 7:50	Stop Purge Time: 8:19	Total Time: 29mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. C	pH	Cond. uS	Comments
8:00	27	16.2	7.05	1001	
8:10	54	16.2	7.18	1070	
8:20	81	16.2	7.22	1084	
					DD=0.75mg/l

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-6	4/26/02	8:25	voa	HCl	TPHg BTEX MTBE	8020

WELL SAMPLING FORM

Project Name: ARCO 6113	Cambria Mgr: RAS	Well ID: MW-7
Project Number: 439-1812	Date: 4/26/02	Well Yield: -----
Site Address: 785 East Stanley Blvd Livermore, Ca	Sampling Method:	Well Diameter: 4" PVC
	Disposable bailer	Technician(s): SG
Initial Depth to Water: 26.22	Total Well Depth: 68:00	Water Column Height: 41.78
Volume/ft: .65	1 Casing Volume: 27.15	3 Casing Volumes: 81.47
Purging Device: pump/ bailer	Did Well Dewater?: no	Total Gallons Purged: 81
Start Purge Time: 8:30	Stop Purge Time: 8:59	Total Time: 29 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. C	pH	Cond. uS	Comments
8:40	27	16.2	7.11	2150	
8:50	54	16.1	7.19	1815	
9:00	51	16.3	7.21	1513	
					DO = 0.61 mg/l

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-7	4/26/02	9:05	voa	HCl	TPHg BTEX MTBE	8020

WELL SAMPLING FORM

Project Name: ARCO 6113	Cambria Mgr: RAS	Well ID: MW-11
Project Number: 439-1812	Date: 4/26/02	Well Yield: -----
Site Address: 785 East Stanley Blvd Livermore, Ca	Sampling Method:	Well Diameter: 2" PVC
	Disposable bailer	Technician(s): SG
Initial Depth to Water: 26.50	Total Well Depth: 45.00	Water Column Height: 18.50
Volume/ft: 0.16	1 Casing Volume: 2.96	3 Casing Volumes: 8.88
Purging Device: pump/ bailer	Did Well Dewater?: no	Total Gallons Purged: 9
Start Purge Time: 7:10	Stop Purge Time: 7:24	Total Time: 14 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. C	pH	Cond. uS	Comments
7:15	3	16.1	7.24	3999	
7:20	6	16.1	7.29	3999	
7:25	9	16.1	7.27	3999	
					DD = 0.47mg/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-11	4/26/02	7:30	voa	HCl	TPHg BTEX MTBE	8020

WELL SAMPLING FORM

Project Name: ARCO 6113	Cambria Mgr: RAS	Well ID: MW-13
Project Number: 439-1812	Date: 4/26/02	Well Yield: -----
Site Address: 785 East Stanley Blvd Livermore, Ca	Sampling Method:	Well Diameter: 2" PVC
	Disposable bailer	Technician(s): SG
Initial Depth to Water: 24.20	Total Well Depth: 30.25	Water Column Height: 6.05
Volume/ft: .16	1 Casing Volume: 0.96	3 Casing Volumes: 2.90
Purging Device: pump/ bailer	Did Well Dewater?: no	Total Gallons Purged: 3
Start Purge Time: 9:50	Stop Purge Time: 9:59	Total Time: 9 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. C	pH	Cond. uS	Comments
9:52	1	16.1	7.15	1370	
9:55 10:00	2	16.1	7.20	1351	
10:00	3	16.1	7.22	1320	
					DD = 0.60 mg/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
MW-13	4/26/02	10:05	voa	HCl	TPHg BTEX MTBE	8020

WELL SAMPLING FORM

Project Name: ARCO 6113	Cambria Mgr: RAS	Well ID: VW-1
Project Number: 439-1812	Date: 4/26/02	Well Yield: -----
Site Address: 785 East Stanley Blvd Livermore, Ca	Sampling Method:	Well Diameter: 4" PVC
	Disposable bailer	Technician(s): SG
Initial Depth to Water: 24.27	Total Well Depth: 45.00	Water Column Height: 20.73
Volume/ft: .65	1 Casing Volume: 13.47	3 Casing Volumes: 40.42
Purging Device: pump/ bailer	Did Well Dewater?: no	Total Gallons Purged: 40
Start Purge Time: 9:15 9:15	Stop Purge Time: 9:39	Total Time: 24 mins

1 Casing Volume = Water column height x Volume/ ft.

Well Diam.	Volume/ft (gallons)
2"	0.16
4"	0.65
6"	1.47

Time	Casing Volume	Temp. C	pH	Cond. uS	Comments
9:25	14	16.1	7.03	1015	
9:30	28	16.2	7.11	1250	
9:40	40	16.2	7.09	1270	00 = 0.50ms/L

Sample ID	Date	Time	Container Type	Preservative	Analytes	Analytic Method
VW-1	4/26/02	9:45	voa	HCl	TPHg BTEX MTBE	8020
DUP						

ATTACHMENT E

**EDCC REPORT
AND
EDF, GEOWELL SUBMITTAL CONFIRMATION NUMBER**

Error Summary Log

07/30/02

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	Facility 6113, Livermore
Work Order Number:	MLD0579
Global ID:	T0600100111
Lab Report Number:	MLD0579051320021401

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MLD05790513200 21401	MW-11	MLD057904	W	CS	SW8020F	SW5030B	04/26/02	05/02/02	05/02/02	2E02002	1	
MLD05790513200 21401	MW-13	MLD057905	W	CS	8260+OX	SW5030B	04/26/02	05/06/02	05/06/02	2E07018	1	
MLD05790513200 21401	MW-13	MLD057905	W	CS	SW8020F	SW5030B	04/26/02	05/02/02	05/02/02	2E02002	1	
MLD05790513200 21401	MW-4	MLD057901	W	CS	SW8020F	SW5030B	04/26/02	05/02/02	05/02/02	2E02002	1	
MLD05790513200 21401	MW-6	MLD057902	W	CS	SW8020F	SW5030B	04/26/02	05/02/02	05/02/02	2E02002	1	
MLD05790513200 21401	MW-7	MLD057903	W	CS	SW8020F	SW5030B	04/26/02	05/02/02	05/02/02	2E02002	1	
MLD05790513200 21401	VW-1	MLD057906	W	CS	8260+OX	SW5030B	04/26/02	05/06/02	05/06/02	2E07018	1	
MLD05790513200 21401	VW-1	MLD057906	W	CS	SW8020F	SW5030B	04/26/02	05/07/02	05/07/02	2E07002	1	
MLD05790513200 21401	VW-1DUP	MLD057907	W	CS	8260+OX	SW5030B	04/26/02	05/06/02	05/06/02	2E07018	1	
MLD05790513200 21401	VW-1DUP	MLD057907	W	CS	SW8020F	SW5030B	04/26/02	05/07/02	05/07/02	2E07002	1	
		MLD054201	W	NC	SW8020F	SW5030B	//	05/02/02	05/02/02	2E02002	1	
		2E02002BS1	WQ	BS1	SW8020F	SW5030B	//	05/02/02	05/02/02	2E02002	1	
		2E02002BS2	WQ	BS2	SW8020F	SW5030B	//	05/02/02	05/02/02	2E02002	1	
		2E02002BLK1	WQ	LB1	SW8020F	SW5030B	//	05/02/02	05/02/02	2E02002	1	
		2E02002MS1	W	MS1	SW8020F	SW5030B	//	05/02/02	05/02/02	2E02002	1	
		2E02002MSD1	W	SD1	SW8020F	SW5030B	//	05/02/02	05/02/02	2E02002	1	
		2E07002BSD1	WQ	BD1	SW8020F	SW5030B	//	05/07/02	05/07/02	2E07002	1	
		2E07002BSD2	WQ	BD2	SW8020F	SW5030B	//	05/07/02	05/07/02	2E07002	1	
		2E07002BS1	WQ	BS1	SW8020F	SW5030B	//	05/07/02	05/07/02	2E07002	1	
		2E07002BS2	WQ	BS2	SW8020F	SW5030B	//	05/07/02	05/07/02	2E07002	1	
		2E07002BLK1	WQ	LB1	SW8020F	SW5030B	//	05/07/02	05/07/02	2E07002	1	
		2E07018BS1	WQ	BS1	8260+OX	SW5030B	//	05/06/02	05/06/02	2E07018	1	
		2E07018BLK1	WQ	LB1	8260+OX	SW5030B	//	05/06/02	05/06/02	2E07018	1	
		2E07018MS1	W	MS1	8260+OX	SW5030B	//	05/06/02	05/07/02	2E07018	1	
		2E07018MSD1	W	SD1	8260+OX	SW5030B	//	05/06/02	05/07/02	2E07018	1	

EDFSAMP: Error Summary Log

07/30/02

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

EDFTEST: Error Summary Log

07/30/02

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

EDFRES: Error Summary Log

07/30/02

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2E02002MS1	MS1	W	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	2E02002MS1	MS1	W	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	2E02002MSD1	SD1	W	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	2E02002MSD1	SD1	W	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	MLD054201	NC	W	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	MLD054201	NC	W	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	MLD057901	CS	W	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	MLD057901	CS	W	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	MLD057901	CS	W	SW8020F	PR	05/02/02	1	MTBE
Warning: extra parameter	MLD057902	CS	W	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	MLD057902	CS	W	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	MLD057902	CS	W	SW8020F	PR	05/02/02	1	MTBE
Warning: extra parameter	MLD057903	CS	W	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	MLD057903	CS	W	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	MLD057903	CS	W	SW8020F	PR	05/02/02	1	MTBE
Warning: extra parameter	MLD057904	CS	W	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	MLD057904	CS	W	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	MLD057904	CS	W	SW8020F	PR	05/02/02	1	MTBE
Warning: extra parameter	MLD057905	CS	W	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	MLD057905	CS	W	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	MLD057905	CS	W	SW8020F	PR	05/02/02	1	MTBE
Warning: extra parameter	MLD057906	CS	W	SW8020F	PR	05/07/02	1	AAATFBZME
Warning: extra parameter	MLD057906	CS	W	SW8020F	PR	05/07/02	1	GROC6C10
Warning: extra parameter	MLD057906	CS	W	SW8020F	PR	05/07/02	1	MTBE
Warning: extra parameter	MLD057907	CS	W	SW8020F	PR	05/07/02	1	AAATFBZME

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MLD057907	CS	W	SW8020F	PR	05/07/02	1	GROC6C10
Warning: extra parameter	MLD057907	CS	W	SW8020F	PR	05/07/02	1	MTBE
Warning: extra parameter	2E02002BLK1	LB1	WQ	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	2E02002BLK1	LB1	WQ	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	2E02002BLK1	LB1	WQ	SW8020F	PR	05/02/02	1	MTBE
Warning: extra parameter	2E02002BS1	BS1	WQ	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	2E02002BS2	BS2	WQ	SW8020F	PR	05/02/02	1	AAATFBZME
Warning: extra parameter	2E02002BS2	BS2	WQ	SW8020F	PR	05/02/02	1	GROC6C10
Warning: extra parameter	2E07002BLK1	LB1	WQ	SW8020F	PR	05/07/02	1	AAATFBZME
Warning: extra parameter	2E07002BLK1	LB1	WQ	SW8020F	PR	05/07/02	1	GROC6C10
Warning: extra parameter	2E07002BLK1	LB1	WQ	SW8020F	PR	05/07/02	1	MTBE
Warning: extra parameter	2E07002BS1	BS1	WQ	SW8020F	PR	05/07/02	1	AAATFBZME
Warning: extra parameter	2E07002BS2	BS2	WQ	SW8020F	PR	05/07/02	1	AAATFBZME
Warning: extra parameter	2E07002BS2	BS2	WQ	SW8020F	PR	05/07/02	1	GROC6C10
Warning: extra parameter	2E07002BSD1	BD1	WQ	SW8020F	PR	05/07/02	1	AAATFBZME
Warning: extra parameter	2E07002BSD2	BD2	WQ	SW8020F	PR	05/07/02	1	AAATFBZME
Warning: extra parameter	2E07002BSD2	BD2	WQ	SW8020F	PR	05/07/02	1	GROC6C10

EDFQC: Error Summary Log

07/30/02

Error type	Lablotctf	Anmcode	Parlabel	Qccode	Labqid
There are no errors in this data files					

EDFCL: Error Summary Log

07/30/02

Error type	Clevdate	Anmcode	Exmcode	Parlabel	Cicode
There are no errors in this data file	/ /				

AB2886 Electronic Delivery

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

Your EDF file has been successfully uploaded!

Confirmation Number: 7582274496

Date/Time of Submittal: 7/30/2002 5:26:57 PM

Facility Global ID: T0600100111

Facility Name: ARCO

Submittal Title: 2 Quarter Ground Water Monitoring report

Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

AB2886 Electronic Delivery

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_WELL FILE

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

Submittal Title: 2nd quarter geowells for # 6113

Submittal Date/Time: 7/30/2002 4:47:58 PM

Confirmation Number: 7845234513

[Back to Main Menu](#)

Logged in as URSCORP-OAKLAND
(CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).