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Atlantic Richfield Company
(a BP affiliated company)

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

July 3, 2003

Re: Second QUarter 2003 Monitoring Report
Former ARCO Service Station #6002
6235 Seminary Avenue
Oakland, CA

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

Submitted by:

Paul Supple
Environmental Business Manager

URS

July 3, 2003

Mr. Amir Gholami
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Second Quarter 2003 Monitoring Report
Former ARCO Service Station #6002
6235 Seminary Avenue
Oakland, California
URS Project #38486162

Dear Mr. Gholami:

On behalf of Atlantic Richfield Company (ARCO-an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Second Quarter 2003 Groundwater Monitoring Report* for the Former ARCO Service Station # 6002, located at 6235 Seminary Avenue, Oakland, California.

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

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

James Durkin, C.Hg.
Senior Geologist

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

Enclosure: Second Quarter 2003 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, PO Box 6549 Moraga, CA 94570

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

REPORT

SECOND QUARTER 2003 GROUNDWATER MONITORING

FORMER ARCO SERVICE STATION # 6002
6235 SEMINARY AVENUE
OAKLAND, CALIFORNIA

Prepared for
Atlantic Richfield Company

July 3, 2003

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

38486162

Date: July 3, 2003

Quarter: 2Q 03

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.: 6002 Address:	6235 Seminary Avenue, Oakland, California
Atlantic Richfield Co. Environmental Engineer:	Paul Supple
Consulting Co./Contact Person:	URS Corporation / Scott Robinson
Consultant Project No.:	38486162
Primary Agency	Alameda County Health Care Services Agency

WORK PERFORMED THIS QUARTER (Second – 2003):

1. Performed second quarter 2003 groundwater monitoring event on June 3, 2003.
2. Prepared and submitted first quarter 2003 groundwater monitoring report.
3. Prepared and submitted second quarter 2003 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Third – 2003):

1. Perform third quarter 2003 groundwater monitoring event.
2. Prepare and submit third quarter 2003 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Annual (1st quarter): MW-3, MW-6 Quarterly: MW-4, MW-5, MW-7, MW-8, VW-1, VW-4
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Bulk Soil Removed to Date :	Approximately 370 cubic yards of TPH impacted soil
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	6.82 (MW-6) to 12.41 (MW-5) feet
Groundwater Gradient (direction):	West
Groundwater Gradient (magnitude):	0.069 feet per foot

DISCUSSION:

TPH-g was detected in two of the six wells sampled this quarter at concentrations of 71 µg/L (VW-1) and 2,400 µg/L (MW-5). Benzene was not detected above its detection limit in any of the wells sampled this quarter. MTBE was detected in three wells at concentrations ranging from 13 µg/L (VW-1) to 440 µg/L (VW-4). TBA was detected in well VW-4 at a concentration of 4,100 µg/L.

RECOMMENDATION:

We recommend changing the sampling frequency of wells MW-4, MW-7 and MW-8 from quarterly to annual. MW-4 and MW-8 are cross gradient, while MW-7 is downgradient. All of these wells have consistently had low to no detections above the laboratory reporting limits for the constituents of concern.

ATTACHMENTS:

- Table 1 - Groundwater Elevation and Analytical Data
- Table 2 - Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Figure 1 - Groundwater Elevation Contour and Analytical Summary Map – June 3, 2003
- Attachment A - Field Proccdures and Field Data Sheets
- Attachment B - Laboratory Proccdures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C - EDCC and EDF/Geowell Submittal Confirmation

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled		TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
MW-3	03/15/95		248.35	6.76	0.00	241.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	05/30/95			7.81	0.00	240.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	09/01/95			8.65	0.00	239.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	11/13/95			8.25	0.00	240.10	120	45	0.7	ND<0.5	6.2	--	--	--
	02/23/96			6.64	0.00	241.71	ND<50	ND<0.5	ND<0.5	0.6	1.9	ND<3	--	--
	05/10/96			7.95	0.00	240.40	Not sampled: well sampled annually, during the first quarter							
	08/09/96			8.06	0.00	240.29	Not sampled: well sampled annually, during the first quarter							
	11/08/96			NR	NR	NR	Not sampled: inaccessible							
	03/21/97			8.21	0.00	240.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	05/27/97			8.25	0.00	240.10	Not sampled: well sampled annually, during the first quarter							
	08/05/97			8.29	0.00	240.06	Not sampled: well sampled annually, during the first quarter							
	10/29/97			8.58	0.00	239.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	02/25/98			7.69	0.00	240.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	05/12/98			8.20	0.00	240.15	Not sampled: well sampled annually, during the first quarter							
	07/28/98			8.55	0.00	239.80	Not sampled: well sampled annually, during the first quarter							
	10/27/98			8.30	0.00	240.05	Not sampled: well sampled annually, during the first quarter							
	02/08/99			7.90	0.00	240.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	06/01/99			8.40	0.00	239.95	Not sampled: well sampled annually, during the first quarter							
	08/25/99			8.49	0.00	239.86	Not sampled: well sampled annually, during the first quarter							1.67
	10/29/99			8.52	0.00	239.83	Not sampled: well sampled annually, during the first quarter							6.90
	02/16/00	NP		8.03	0.00	240.32	ND<50	ND<0.5	0.8	ND<0.5	ND<1	ND<3	--	8.51
	06/23/00			7.55	0.00	240.80	Not sampled: well sampled annually, during the first quarter							2.10
	08/17/00			8.65	0.00	239.70	Not sampled: well sampled annually, during the first quarter							1.10
	11/10/00			7.19	0.00	241.16	Not sampled: well sampled annually, during the first quarter							
	02/12/01	NP		8.60	0.00	239.75	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	0.81
	04/13/01			6.13	0.00	242.22	Not sampled: well sampled annually, during the first quarter							
	07/18/01			6.47	0.00	241.88	Not sampled: well sampled annually, during the first quarter							
	10/01/01			6.99	0.00	241.36	Not sampled: well sampled annually, during the first quarter							
	01/14/02	NP		5.47	0.00	242.88	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	04/03/02			6.95	0.00	241.40	Not sampled: well sampled annually, during the first quarter							
	08/08/02			8.78	0.00	239.57	Not sampled: well sampled annually, during the first quarter							
	11/27/02			8.52	0.00	239.83	Not sampled: well sampled annually, during the first quarter							
	02/10/03[4]	NP		8.40	0.00	239.95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	0.7
	06/03/03			**8.40**	**0.00**	**239.95**	**Not sampled: well sampled annually, during the first quarter**							

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled		TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
MW-4	03/15/95		242.91	9.37	0.00	233.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	05/30/95			11.47	0.00	231.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	09/01/95			12.28	0.00	230.63	78	ND<0.5	0.7	ND<0.5	ND<0.5	ND<3	--	--
	11/13/95			11.75	0.00	231.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	02/23/96			8.51	0.00	234.40	59	1.2	7.4	1.6	9.3	3	--	--
	05/10/96			11.35	0.00	231.56	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	08/09/96			9.70	0.00	233.21	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	11/08/96			11.79	0.00	231.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	03/21/97			10.94	0.00	231.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	81	--	--
	05/27/97			11.51	0.00	231.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	08/05/97			11.90	0.00	231.01	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	10/29/97			12.00	0.00	230.91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	02/25/98			8.34	0.00	234.57	ND<50	ND<0.5	0.9	ND<0.5	0.9	4	--	--
	05/12/98			10.93	0.00	231.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	07/28/98			12.08	0.00	230.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	10/27/98			11.40	0.00	231.51	ND<5,000	ND<50	ND<50	160	64	6,400	--	--
	02/08/99			8.40	0.00	234.51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	06/01/99	NP		11.93	0.00	230.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	4.0
	08/25/99	NP		12.21	0.00	230.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	1.29
	10/29/99	NP		12.37	0.00	230.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	1.50
	02/16/00	NP		7.45	0.00	235.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	2.38
	06/23/00	NP		12.31	0.00	230.60	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	2.80
DUP	08/17/00			--	--	--	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--
	08/17/00	NP		11.92	0.00	230.99	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	2.38
	11/10/00	NP		10.80	0.00	232.11	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.55
	02/12/01	NP		11.65	0.00	231.26	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.12
	04/13/01	NP		8.17	0.00	234.74	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--
DUP	04/13/01			--	--	--	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--
	07/18/01	NP		8.51	0.00	234.40	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	10/01/01	NP		8.71	0.00	234.20	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	01/14/02	NP		7.13	0.00	235.78	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
DUP	01/14/02			--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	04/03/02	NP		10.1	0.00	232.81	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	08/08/02	NP		12.64	0.00	230.27	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	2.4
	11/27/02	NP		12.01	0.00	230.90	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4.7	2.5
	02/10/03[3]	NP		11.22	0.00	231.69	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	0.8
	06/03/03	**NP**		**11.54**	**0.00**	**231.37**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	--	**ND<0.50**	**3.9**

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled		TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
MW-5	03/15/95		244.82	11.99	0.00	232.83	21,000	870	22	1,600	1,900	--	--	--
	05/30/95			12.97	0.00	231.85	17,000	2,100	250	1,000	520	--	--	--
	09/01/95			14.03	0.00	230.79	19,000	1,500	25	1,600	880	8,300	--	--
	11/13/95			13.65	0.00	231.17	21,000	1,300	22	1,400	630	--	--	--
	02/23/96			11.93	0.00	232.89	27,000	1,300	ND<50	1,600	1,500	730	--	--
	05/10/96			13.05	0.00	231.77	17,000	460	21	760	480	1,000	--	--
	08/09/96			13.22	0.00	231.60	16,000	420	14	870	390	1,500	--	--
	11/08/96			NR	NR	NR	Not sampled: well inaccessible							
	03/21/97			13.24	0.00	231.58	18,000	110	ND<50	730	1,500	1,800	--	--
	05/27/97			13.10	0.00	231.72	21,000	86	ND<20	810	610	1,700	--	--
	08/05/97			13.14	0.00	231.68	340	2.2	ND<0.5	15	8.8	39	--	--
	10/29/97			13.03	0.00	231.79	19,000	130	ND<20	1,400	620	1,700	--	--
	02/25/98			11.33	0.00	233.49	8,500	19	13	190	100	170	--	--
	05/12/98			12.81	0.00	232.01	10,000	34	ND<10	390	220	610	--	--
	07/28/98			13.12	0.00	231.70	15,000	68	ND<10	690	620	1,000	--	--
	10/27/98			12.90	0.00	231.92	15,000	60	ND<10	770	400	890	--	--
	02/08/99			11.08	0.00	233.74	8,200	23	ND<10	290	120	ND<60	--	--
	06/01/99	NP		12.95	0.00	231.87	11,000	33	3.3	340	180	580	--	1.0
	08/25/99	NP		12.99	0.00	231.83	9,200	26	14	420	270	1,100	--	0.37
	10/29/99	NP		13.10	0.00	231.72	11,000	19	9.8	260	150	590	--	1.27
	02/16/00	NP		8.21	0.00	236.61	12,000	8.1	10	340	160	130	--	1.42
	06/23/00	NP		12.90	0.00	231.92	9,680	38.0	ND<20.0	212	114	930	--	1.40
	08/17/00	NP		13.00	0.00	231.82	10,500	15.0	7.98	223	118	430	--	0.68
	11/10/00	NP		12.50	0.00	232.32	7,030	19.7	ND<10.0	190	43.6	445	--	1.27
	02/12/01	NP		12.81	0.00	232.01	8,840	33.9	ND<10.0	186	56.4	352	--	0.40
	04/13/01	NP		11.31	0.00	233.51	9,020	54.2	43.3	137	96.0	297	--	--
	07/18/01	NP		11.59	0.00	233.23	13,000	19	10	110	49	230	--	--
	10/01/01	NP		11.84	0.00	232.98	8,500	6.9	ND<1.0	87	27	220	--	--
	01/14/02	NP		10.75	0.00	234.07	9,500	ND<20	ND<20	140	22	ND<200	--	--
	04/03/02	NP		12.50	0.00	232.32	2,400	21	ND<5.0	91	8.5	130	--	--
DUP	04/03/02	NP		--	--	--	2,700	24.0	5.1	92	8.5	130	--	--
	08/08/02	NP		12.83	0.00	231.99	2,000	ND<20	ND<20	48	ND<20	520	--	0.8
	11/27/02	NP		12.79	0.00	232.03	2,200	ND<10	ND<10	33	ND<10	--	150	0.8
	02/10/03[4]	NP		12.62	0.00	232.20	2,600	ND<2.5	ND<2.5	47	4.2	--	100	0.7
	06/03/03	**NP**		**12.41**	**0.00**	**232.41**	**2,400**	**ND<5.0**	**ND<5.0**	**26**	**ND<5.0**	--	**160**	**1.8**

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled		TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
MW-6	06/29/95		NR	6.63	0.00	NR	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	09/01/95		NR	NR	NR	NR	Not sampled							
	11/13/95		NR	7.70	0.00	NR	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	02/23/96		NR	9.82	0.00	NR	ND<50	ND<0.5	0.8	ND<0.5	0.6	ND<3	--	--
	05/10/96		NR	15.25	0.00	NR	Not sampled: well sampled annually, during the first quarter							
	08/09/96		252.20	11.11	0.00	241.09	Not sampled: well sampled annually, during the first quarter							
	11/08/96			9.31	0.00	242.89	Not sampled: well sampled annually, during the first quarter							
	03/21/97			9.40	0.00	242.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	05/27/97			7.08	0.00	245.12	Not sampled: well sampled annually, during the first quarter							
	08/05/97			7.12	0.00	245.08	Not sampled: well sampled annually, during the first quarter							
	10/29/97			7.42	0.00	244.78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	02/25/98			10.35	0.00	241.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	05/12/98			15.83	0.00	236.37	Not sampled: well sampled annually, during the first quarter							
	07/28/98			11.84	0.00	240.36	Not sampled: well sampled annually, during the first quarter							
	10/27/98			9.73	0.00	242.47	Not sampled: well sampled annually, during the first quarter							
	02/08/99			8.10	0.00	244.10	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	06/01/99			17.84	0.00	234.36	Not sampled: well sampled annually, during the first quarter							
	08/25/99			11.00	0.00	241.20	Not sampled: well sampled annually, during the first quarter							0.77
	10/29/99			9.03	0.00	243.17	Not sampled: well sampled annually, during the first quarter							3.42
	02/16/00	P		7.71	0.00	244.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	2.42
	06/23/00			6.69	0.00	245.51	Not sampled: well sampled annually, during the first quarter							2.30
	08/17/00			6.95	0.00	245.25	Not sampled: well sampled annually, during the first quarter							2.51
	11/10/00			11.79	0.00	240.41	Not sampled: well sampled annually, during the first quarter							
	02/12/01	P		7.35	0.00	244.85	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.66
DUP	02/12/01			--	--	--	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--
	04/13/01			10.52	0.00	241.68	Not sampled: well sampled annually, during the first quarter							
	07/18/01			11.03	0.00	241.17	Not sampled: well sampled annually, during the first quarter							
	10/01/01			11.31	0.00	240.89	Not sampled: well sampled annually, during the first quarter							
	01/14/02	P		9.87	0.00	242.33	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	04/03/02			12.19	0.00	240.01	Not sampled: well sampled annually, during the first quarter							
	08/08/02			7.04	0.00	245.16	Not sampled: well sampled annually, during the first quarter							
	11/27/02			6.85	0.00	245.35	Not sampled: well sampled annually, during the first quarter							
	02/10/03[4]	NP		6.74	0.00	245.46	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	1.1
	06/03/03			**14.35**	**0.00**	**237.85**	**Not sampled: well sampled annually, during the first quarter**							

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled		TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
MW-7	08/09/96		235.95	NR	NR	NR	Not sampled: well was dry							
	11/08/96			NR	NR	NR	Not sampled: well was dry							
	01/27/97			NR	NR	NR	2,900	29	ND<5	ND<5	580	220	--	--
	03/21/97			7.13	0.00	228.82	590	3.5	ND<0.5	ND<0.5	1.3	90	--	--
	05/27/97			9.02	0.00	226.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	08/05/97			12.33	0.00	223.62	110	0.5	ND<0.5	ND<0.5	0.8	81	--	--
	10/29/97			NR	NR	NR	Not sampled: well was dry							
	02/25/98			8.04	0.00	227.91	ND<50	ND<0.5	0.6	ND<0.5	0.7	ND<3	--	--
	05/12/98			8.88	0.00	227.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	07/28/98			10.50	0.00	225.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	10/27/98			8.75	0.00	227.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	02/08/99			9.35	0.00	226.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	06/01/99	NP		9.85	0.00	226.10	250	ND<0.5	0.6	ND<0.5	1.6	18	--	1.0
	08/25/99	NP		11.31	0.00	224.64	119	ND<0.5	5.7	ND<0.5	ND<0.5	11	--	0.41
	10/29/99	NP		9.08	0.00	226.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	1.29
	02/25/00	NP		8.02	0.00	227.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	38	--	2.10
	06/23/00	NP		10.68	0.00	225.27	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	14.4	--	1.60
	08/17/00	NP		11.85	0.00	224.10	70.0	ND<0.500	0.678	ND<0.500	1.07	14.2	--	1.59
	11/10/00	NP		9.62	0.00	226.33	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.09
	02/12/01	NP		12.10	0.00	223.85	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	0.84
	04/13/01	P		7.95	0.00	228.00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--
	07/18/01	P		8.20	0.00	227.75	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	10/01/01	NP		8.59	0.00	227.36	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	01/14/02	P		6.93	0.00	229.02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	04/03/02	P		8.31	0.00	227.64	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	08/08/02	P		12.11	0.00	223.84	Not sampled: insufficient water/recharge for purge/sample							
	11/27/02	NP		13.01	0.00	222.94	Not sampled: insufficient water							
	02/10/03[4]	NP		10.02	0.00	225.93	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	1.5
	06/03/03	**NP**		**6.82**	**0.00**	**229.13**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	--	**ND<0.50**	**8.1**

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled		TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
MW-8	08/09/96		240.37	9.41	0.00	230.96	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	11/08/96			9.19	0.00	231.18	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	03/21/97			8.55	0.00	231.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	05/27/97			11.06	0.00	229.31	91	0.6	ND<0.5	ND<0.5	0.6	66	--	--
	08/05/97			9.32	0.00	231.05	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	10/29/97			9.35	0.00	231.02	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	02/25/98			7.08	0.00	233.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	05/12/98			8.61	0.00	231.76	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	07/28/98			9.63	0.00	230.74	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4	--	--
	10/27/98			9.30	0.00	231.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	02/08/99			5.56	0.00	234.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	06/01/99			NR	NR	NR	Not sampled: well inaccessible							
	08/25/99			NR	NR	NR	Not sampled: well inaccessible							
	10/29/99			NR	NR	NR	Not sampled: well inaccessible							
	02/16/00			NR	NR	NR	Not sampled: well inaccessible							
	06/23/00	NP		9.45	0.00	230.92	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.90
	08/17/00	NP		6.40	0.00	233.97	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	2.56
	11/10/00	NP		6.25	0.00	234.12	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.93
DUP	11/10/00			--	--	--	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--
	02/12/01	NP		8.11	0.00	232.26	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.65
	04/13/01	P		5.19	0.00	235.18	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--
	07/18/01	NP		5.55	0.00	234.82	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	10/01/01	NP		6.41	0.00	233.96	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	01/14/02	P		5.07	0.00	235.30	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	04/03/02	P		8.60	0.00	231.77	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
	08/08/02	P		9.58	0.00	230.79	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	1.7
	11/27/02	P		9.15	0.00	231.22	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	3.1
	02/10/03[4]	P		8.55	0.00	231.82	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	1.3
	06/03/03	**P**		**8.72**	**0.00**	**231.65**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	--	**ND<0.50**	**9.1**

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled		TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
VW-1	02/23/96		NR	5.29	0.00	NR	21,000	490	57	520	1,500	240	--	--
	05/10/96		NR	6.80	0.00	NR	3,700	61	ND<5	100	50	200	--	--
	08/09/96		NR	7.03	0.00	NR	970	2.7	ND<2.5	2.7	3.7	180	--	--
	11/08/96		NR	NR	NR	NR	Not sampled: well inaccessible							
	03/21/97		NR	7.51	0.00	NR	640	ND<4	ND<1	1	3	194	--	--
	05/27/97		NR	7.51	0.00	NR	Not sampled: well sampled semi-annually, during the first and third quarters							
	08/05/97		NR	7.51	0.00	NR	630	ND<1	ND<1	3	2	120	--	--
	10/29/97		NR	7.53	0.00	NR	600	ND<0.5	ND<0.5	ND<0.5	1.6	84	--	--
	02/25/98		NR	6.77	0.00	NR	230	ND<4	ND<0.7	1.2	0.5	27	--	--
	05/12/98		NR	7.43	0.00	NR	340	ND<0.5	0.5	2.3	0.8	29	--	--
	07/28/98		NR	7.00	0.00	NR	240	ND<0.5	ND<0.5	ND<0.5	1.1	54	--	--
	10/27/98		NR	7.52	0.00	NR	230	ND<0.5	ND<0.5	ND<0.5	ND<0.5	65	--	--
	02/08/99		NR	7.05	0.00	NR	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	36[3]	--
	06/01/99	NP	NR	7.55	0.00	NR	180	ND<0.5	ND<0.5	ND<0.5	ND<0.5	23	--	1.0
	08/25/99	NP	NR	7.66	0.00	NR	130	ND<0.5	5.6	ND<0.5	ND<0.5	40	--	0.39
	10/29/99	NP	NR	7.59	0.00	NR	200	1.0	ND<0.5	0.6	1.6	36	--	0.89
	02/16/00	NP	NR	7.03	0.00	NR	210	ND<0.5	0.9	2.2	1.9	11	--	1.41
	06/23/00	NP	NR	7.71	0.00	NR	175	1.04	ND<0.500	ND<0.500	ND<0.500	14.4	--	1.90
	08/17/00	NP	NR	7.75	0.00	NR	180	ND<0.500	ND<0.500	0.622	0.760	23.7	--	0.63
	11/10/00	NP	NR	6.83	0.00	NR	157	0.955	ND<0.500	0.973	ND<0.500	32.5	--	1.03
	02/12/01	NP	NR	7.85	0.00	NR	273	0.627	ND<0.500	ND<0.500	0.507	9.19	--	0.47
	04/13/01	P	NR	5.11	0.00	NR	213	ND<0.500	ND<0.500	ND<0.500	ND<0.500	6.38	--	--
	07/18/01	P	NR	5.39	0.00	NR	270	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	--	--
	10/01/01	NP	NR	6.50	0.00	NR	200	ND<0.50	ND<0.50	ND<0.50	0.81	14	--	--
	01/14/02	P	NR	5.04	0.00	NR	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.4	--	--
	04/03/02	P	NR	7.51	0.00	NR	91	0.72	ND<0.50	ND<0.50	ND<0.50	12.0	--	--
	08/08/02	P	NR	9.58	0.00	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	33.0	--	0.6
	11/17/02	P	NR	7.42	0.00	NR	52	0.72	0.78	ND<0.50	ND<0.50	--	21	1.0
	02/10/03[4]	NP	NR	7.38	0.00	NR	52	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	11	1.7
	06/03/03	**P**	**NR**	**7.30**	**0.00**	**NR**	**71**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	--	**13**	**3.3**
VW-3	08/08/02		NR	8.85	0.00	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.5	--	0.7
	11/27/02		NR	8.80	0.00	NR	Not sampled: well not part of sampling program							
	02/10/03[4]		NR	8.41	0.00	NR	Not sampled: well not part of sampling program							
	06/03/03		**NR**	**8.71**	**0.00**	**NR**	**Not sampled: well not part of sampling program**							

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled		TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
VW-4	05/10/96		NR	8.58	0.00	NR	13,000	2,500	41	420	660	43,000	--	--
	08/09/96		NR	11.70	0.00	NR	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6,200	--	--
	11/08/96		NR	9.38	0.00	NR	7,800	510	7	180	370	21,000	--	--
	03/21/97		NR	9.11	0.00	NR	10,000	290	10	270	230	8,900	--	--
	05/27/97		NR	9.34	0.00	NR	Not sampled: well sampled semi-annually, during the first and third quarters							
	08/05/97		NR	9.47	0.00	NR	ND<10,000	180	ND<100	ND<100	110	12,000	--	--
	10/29/97		NR	9.35	0.00	NR	9,800	200	69	260	360	4,900	--	--
	02/25/98		NR	7.08	0.00	NR	ND<50	2.5	ND<0.5	ND<0.5	0.7	ND<3	--	--
	05/12/98		NR	9.17	0.00	NR	3,200	ND<20	22	29	52	2,100	--	--
	07/28/98		NR	9.55	0.00	NR	ND<10,000	ND<100	ND<100	ND<100	ND<100	5,100	--	--
	10/27/98		NR	9.92	0.00	NR	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	02/08/99		NR	7.50	0.00	NR	ND<2,500	ND<25	ND<25	28	ND<25	2,400	3,100[3]	--
	06/01/99	NP	NR	9.87	0.00	NR	2,100	2.5	1.1	2.5	15	3,300	--	2.0
	08/25/99	NP	NR	9.78	0.00	NR	1,300	4.4	4.9	1.7	2.9	4,600	--	0.36
	10/29/99	NP	NR	9.93	0.00	NR	1,400	ND<0.5	1.8	1.6	3.0	4,200	--	1.18
	02/16/00	NP	NR	7.45	0.00	NR	1,800	ND<0.5	2.9	15	10	3,400	--	1.01
DUP 1	06/23/00		--	--	--	--	1,260	ND<2.00	ND<2.00	ND<2.00	2.73	2,720	--	--
	06/23/00	NP	NR	9.74	0.00	NR	1,360	ND<2.00	2.26	ND<2.00	2.25	4,900	--	1.50
	08/17/00	NP	NR	9.95	0.00	NR	2,230	ND<10.0	ND<10.0	ND<10.0	ND<10.0	5,310	--	1.13
	11/10/00	NP	NR	9.22	0.00	NR	1,390	18.5	ND<5.00	ND<5.00	ND<5.00	8,840	--	1.25
	02/12/01	NP	NR	8.99	0.00	NR	1,400	9.42	ND<2.00	17.8	16.1	3,570	--	0.91
	04/13/01	NP	NR	7.80	0.00	NR	556	3.82	ND<1.25	ND<1.25	ND<1.25	2,450	--	--
	07/18/01	NP	NR	7.73	0.00	NR	2,100	9.2	ND<2.0	ND<2.0	ND<2.0	3,700	--	--
DUP 1	07/18/01		--	--	--	--	2,000	8.7	2.2	ND<2.0	ND<2.0	3,400	--	--
	10/01/01	NP	NR	6.69	0.00	NR	2,000	ND<10	ND<10	ND<10	13	5,900	--	--
DUP	10/01/01		--	--	--	--	1,800	ND<10	ND<10	ND<10	ND<10	5,800	--	--
	01/14/02	P	NR	5.93	0.00	NR	580	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2,700	--	--
	04/03/02	NP	NR	9.6	0.00	NR	1,400	5.2	16.0	ND<5.0	9.6	2,200	--	--
	08/08/02		NR	10.01	0.00	NR	NS	NS	NS	NS	NS	NS	NS	NS
	11/27/02	P	NR	10.30	0.00	NR	ND<10,000	ND<100	ND<100	ND<100	ND<100	--	3,800	1.7
	02/10/03[4]	NP	NR	10.06	0.00	NR	ND<5,000	ND<50	ND<50	ND<50	ND<50	--	2,500	1.0
	06/03/03	**P**	**NR**	**10.04**	**0.00**	**NR**	**ND<1,000**	**ND<10**	**ND<10**	**ND<10**	**ND<10**	--	**440**	**1.9**

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Well Number	Date Sampled	TOC Elevation (ft-MSL)	Depth to Water (feet)	FP Thickness (feet)	Groundwater Elevation (ft-MSL)	TPH-g (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)
MW-1	03/15/95	247.06	7.37	0.00	239.69	13,000	1,200	44	770	1,100	--	--	--
	05/30/95	247.06	8.48	0.00	238.58	19,000	1,600	30	890	1,400	--	--	--
	09/01/95	247.06	9.47	0.00	237.59	14,000	1,300	28	480	780	24,000	--	--
	11/13/95	247.06	8.78	0.01	238.29[1]	11,000	570	17	260	410	--	25,000[2]	--
	02/23/96	247.06	Well was decommissioned on 2-12-96										
MW-2	03/15/95	249.30	8.25	0.00	241.05	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	05/30/95	249.30	9.93	0.00	239.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	09/01/95	249.30	10.69	0.00	238.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--
	11/13/95	249.30	10.32	0.00	238.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	02/23/96	249.30	Well was decommissioned on 2-12-96										
VW-2	02/23/96	NR	6.92	0.00	NR	Not sampled: well not part of sampling program							
	08/08/02	NR	10.51	0.00	NR	Not sampled: well not part of sampling program							
AS-1	06/29/95	NR	9.20	0.00	NR	ND<50	1.6	ND<0.5	0.9	0.9	--	--	--

Table 1
Groundwater Elevation and Analytical Data

Former ARCO Service Station #6002
6235 Seminary Avenue, Oakland, California

Abbreviation	
TPH-g	= Total petroleum hydrocarbons as gasoline by modified EPA method 8260B (EPA Method 8015M prior to 2/10/03).
BTEX	= Benzene, toluene, ethylbenzene, xylenes by EPA method 8260B (EPA method 8021B from 10/29/99 to 2/10/03, and 8020 prior to 10/29/99).
MTBE	= Methyl tertiary butyl ether
*	= EPA method 8020 prior to 10/29/99
TOC	= Top of Casing
ft-MSL	= elevation in feet, relative to mean sea level
µg/L	= micrograms per liter
mg/L	= milligrams per liter
NR	= not reported; data not available or not measurable
--	= not analyzed, not available, or not applicable
ND<	= not detected at or above the laboratory detection limit.
1	= [corrected elevation (Z')] = Z + (h * 0.73) where: Z: measured elevation, h: floating product thickness, 0.73: density ratio of oil to water
2	= analyzed by EPA method 8240
3	= also analyzed for fuel oxygenates
4	=TPH-g, BTEX and MTBE analyzed by EPA method 8260B beginning on 1st quarter 2003 sampling event
**	= For previous historical groundwater elevation data please refer to Fourth Quarter 1995 Groundwater Monitoring Program Results, ARCO Service Station 6002, Oakland, California, (EMCON, February 23, 1996)
DUP	= duplicate

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

Table 2
Groundwater Flow Direction and Gradient

Former ARCO Service Station 6002
6235 Seminary Avenue, Oakland, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
03/15/95	West-Southwest	0.08
05/30/95	West-Southwest	0.08
09/01/95	West-Southwest	0.09
11/13/95	West-Southwest	0.08
02/23/96	West-Southwest	0.08
05/10/96	West-Southwest	0.08
08/09/96	Southwest	0.08
11/08/96	Southwest	0.055
03/21/97	West-Southwest	0.051
05/27/97	West-Southwest	0.069
08/05/97	West	0.076
10/29/97	West-Southwest	0.036
02/25/98	West-Southwest	0.052
05/12/98	West	0.07
07/28/98	West	0.07
10/27/98	West-Southwest	0.06
02/08/99	West-Southwest	0.07
06/01/99	West-Northwest	0.07
08/25/99	West-Southwest	0.07
10/29/99	West	0.07
02/16/00	Southwest	0.05
06/23/00	West	0.042
08/17/00	West	0.087
11/10/00	West-Southwest	0.080
02/12/01	West-Southwest	0.074
04/13/01	West	0.085
07/18/01	West	0.075
10/01/01	West-Southwest	0.083
01/14/02	West-Southwest	0.072
04/03/02	West-Southwest	0.084
08/08/02	West-Southwest	0.088
11/27/02	West-Southwest	0.075
02/10/03	Southwest	0.062
06/03/03	**West**	**0.069**

Source:

The data within this table collected prior to April 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
Fuel Oxygenate Analytical Data

Former ARCO Service Station # 6002
6235 Seminary Avenue
Oakland, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-3	02/10/03	ND<40	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/03/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW-4	02/10/03	ND<40	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/03/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-5	02/10/03	ND<200	ND<100	100	ND<0.50	ND<0.50	ND<0.50
	06/03/03	**ND<1,000**	**ND<200**	**160**	**ND<5.0**	**ND<5.0**	**ND<5.0**
MW-6	02/10/03	ND<40	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/03/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW-7	02/10/03	ND<40	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/03/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-8	02/10/03	ND<40	ND<20	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/03/03	**ND<100**	**ND<20**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
VW-1	02/10/03	ND<40	ND<20	11	ND<0.50	ND<0.50	ND<0.50
	06/03/03	**ND<100**	**ND<20**	**13**	**ND<0.50**	**ND<0.50**	**ND<0.50**
VW-4	02/10/03	ND<4,000	ND<2,000	2,500	ND<0.50	ND<0.50	ND<0.50
	06/03/03	**ND<2,000**	**4,100**	**440**	**ND<10**	**ND<10**	**ND<10**

Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
ND< = Not detected at or above the laboratory reporting limit
NS = Not sampled

SEMINARY AVENUE

OVERDALE AVENUE

SUNNYMERE AVENUE

SIDEWALK

DRIVEWAY

SIDEWALK

DRIVEWAY

Gate

Gate

6150

6152

6154

GARAGE

6209 (APTS.)

6217 (APTS.)

STAIRS

GRAVEL

CONCRETE

CONCRETE

PLANTER

MW-4
231.37
ND<50
ND<0.50
ND<0.50

MW-5
232.41
2,400
ND<5.0
160

MW-7
229.13
ND<50
ND<0.50
ND<0.50

MW-8
231.65
ND<50
ND<0.50
ND<0.50

4' block wall (Typ.)

6" block wall

0.069

230.00

232.00

234.00

236.00

238.00

Elevation 8' lower than ARCO property

Approximate property line (Typ.)

6166

6267

6174

Garage

Gate

SERVICE ISLAND

SERVICE STATION BUILDING

AS-1

MW-1

MW-2

VW-1
NA
71
ND<0.50
13

VW-2
NA
NS
NS
NS

VW-3
NA
NS
NS
NS

VW-4
NA
ND<1,000
ND<10
440

MW-3
239.95
NS
NS
NS

Former UST and concrete pad

DRIVEWAY

planter

580 ON RAMP

MW-6
237.85
NS
NS
NS

580 ON RAMP

EXPLANATION

- Monitoring well Location
- Decommissioned monitoring well
- Vapor extraction well
- Air sparge well
- Well ID / ELEV / TPH-g / Benzene / MTBE — Well designation; Groundwater elevation (ft above MSL); Concentration of TPH-g, Benzene and MTBE in groundwater in micrograms per liter (µg/L)
- NA — Not available, well casing
- NS — Not sampled
- ND< — Not detected at or above laboratory reporting limits
- 230.00 — Groundwater elevation contour (Ft above MSL)
- 0.069 — Approximate groundwater flow direction and gradient (ft/ft)

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

N

0 15 30 60

Scale (ft)

URS	Project No. 38486162 Arco Service Station #6002 6235 Seminary Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Second Quarter 2003 (June 3, 2003)	FIGURE 1

X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\6002\Reports\Monitoring\Qtr 2, 2003\Drawings\GWEC-AS_6-3.dwg

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 # 030603-MM1 Date 6/3/03 Client ARCO 6002

Site 6235 SEMINARY AVE, OAKLAND

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	NDa
MW-3	4					8.40	24.55	TOC	Gauge only
MW-4	4					11.54	24.04		4.5'
MW-5	4					12.41	24.40		5'
MW-6	2					14.35	31.95		~~PURGE~~ GAUGE ONLY
MW-7	2					6.82	13.11		10'
MW-8	2					8.72	13.92		PURGE
VW-1	4					7.30	13.90		PURGE
VW-3	4					8.71	14.03		GAUGE ONLY
VW-4	4					10.44	14.70		PURGE

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030603-MM1	Station # 6002
Sampler: MM	Date: 6/3/2003
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.04	Depth to Water: 11.54
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 / Middleburg / Electric Submersible / Extraction Pump / Other: NO PURGE @ 4.5'

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.

NO PURGE (1 Case Volume (Gals.)) x 3 (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
943	66.3	6.0	396	—	clear
			NO PURGE		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: 945 Sampling Date: 6/3/03

Sample I.D.: MW-4 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S AND ETHANOL (ALL BY 8260)

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030603-MM1	Station # 6002
Sampler: MM	Date: 6/3/2003
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.40	Depth to Water: 12.41
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 / Middleburg / Electric Submersible / Extraction Pump / (Other: MW purge @ 5')

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.

NO PURGE (1 Case Volume (Gals.)) X 3 (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1145	66.8	6.3	551		

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 1145 Sampling Date: 6/3/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S AND ETHANOL (ALL BY 8260)

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:	~~0.4~~ 1.8	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030603-MM1	Station # 6002
Sampler: MM	Date: 6/3/2003
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 13.11	Depth to Water: 6.82
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) / Middleburg / Electric Submersible / Extraction Pump / Other: No Purge @ 10'

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 µS)	Gals. Removed	Observations
910	64.1	5.2	372	1.0	cloudy
912	63.4	6.2	345	2.0	
	dewatered @	2.0 gals			DTW = 12.89
1200	67.9	6.8	339		DTW = 12.10 site departure

Did well dewater? (Yes) No — Gallons actually evacuated: 2.0

Sampling Time: 1205 — Sampling Date: 6/3/05

Sample I.D.: MW-7 site departure — Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S AND ETHANOL (ALL BY 8260)

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030603-MM1	Station # 6002
Sampler: MM	Date: 6/3/2003
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.92	Depth to Water: 8.72
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) / Middleburg / 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.

.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 2.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
821	62.0	5.6	409	0.8	clear
823	61.4	6.1	366	1.6	cloudy
825	61.3	6.3	361	2.4	
					DTW = 9.14

Did well dewater? Yes (No) Gallons actually evacuated: 2.4

Sampling Time: 830 Sampling Date: 6/3/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: DXY'S AND ETHANOL (ALL BY 8260)

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	9.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030603-MM1	Station # 6002
Sampler: MM	Date: 6/3/2003
Well I.D.: VW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.90	Depth to Water: 7.30
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 / Middleburg / (Electric Submersible) / Extraction Pump / Other: ____

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

8.62 = 90%

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.

4.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 12.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1118	67.7	7.2	671	4.5	clear
1120	66.8	7.4	706	9.0	
	dewatered @ 10 gal's				DTW = 11.40 site departure
1126	66.4	6.3	728		

Did well dewater? (Yes) No Gallons actually evacuated: 9.0

Sampling Time: VW-1 Sampling Date: 6/3/03

Sample I.D.: 1125 site departure Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S AND ETHANOL (ALL BY 8260)

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030603-MM1	Station # 6002
Sampler: MM	Date: 6/3/2003
Well I.D.: VW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.70	Depth to Water: 10.04
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 / Middleburg / (Electric Submersible) / Extraction Pump / Other: ___

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

10.97
80%

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
1045	69.4	6.4	790	3.0	clear
	dewatered @	4.0 gals			DTW = 10.56
1049	69.4	6.6	795		

Did well dewater? (Yes) No — Gallons actually evacuated: 3.0

Sampling Time: 1050 — Sampling Date: 6/3/03

Sample I.D.: VW-4 — Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S AND ETHANOL (ALL BY 8260)

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.9	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELLHEAD INSPECTION CHECKLIST

Client ARCO / BP Date 6/3/03

Site Address 6235 SEMINARY AVE, OAKLAND

Job Number 030603 - MM1 Technician MM

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-3	X							
MW-4	~~X~~							X①
MW-5								X①
MW-6	X							X①
MW-7								X①
MW-8	X							
VW-1								X①
VW-3								X①
VW-4								X①

NOTES: ① Bolts stripped

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:

ARCO
6002

Station #

6235 SEMINARY AVE., OAKLAND

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

16.4

added equip. rinse water 6

any other adjustments

TOTAL GALS. RECOVERED 22.4

loaded onto BTS vehicle # 12

BTS event # 030603-MMC

time 1230

date 6/3/03

signature

* *

REC'D AT BTS

time 1345

date 6/3/03

unloaded by

signature

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in 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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19 June, 2003

Scott Robinson
URS Corporation [Arco]
500 12th Street, Suite 100
Oakland, CA 94607

RE: ARCO #6002, Oakland, CA
Sequoia Work Order: MMF0095

Enclosed are the results of analyses for samples received by the laboratory on 06/04/03 14:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6002, Oakland, CA	MMF0095
500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	MMF0095-01	Water	06/03/03 09:45	06/04/03 14:40
MW-5	MMF0095-02	Water	06/03/03 11:45	06/04/03 14:40
MW-7	MMF0095-03	Water	06/03/03 12:05	06/04/03 14:40
MW-8	MMF0095-04	Water	06/03/03 08:30	06/04/03 14:40
VW-1	MMF0095-05	Water	06/03/03 11:25	06/04/03 14:40
VW-4	MMF0095-06	Water	06/03/03 10:50	06/04/03 14:40

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

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URS Corporation [Arco]	Project: ARCO #6002, Oakland, CA	MMF0095
500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MMF0095-01) Water Sampled: 06/03/03 09:45 Received: 06/04/03 14:40									
Ethanol	ND	100	ug/l	1	3F17006	06/17/03	06/17/03	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	"	"	"	"	"	"	
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		*99.0 %*	*78-129*		"	"	"	"	
MW-5 (MMF0095-02) Water Sampled: 06/03/03 11:45 Received: 06/04/03 14:40									
Ethanol	ND	1000	ug/l	10	3F17006	06/17/03	06/17/03	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**160**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**26**	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**2400**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #6002, Oakland, CA	MMF0095
500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MMF0095-03) Water Sampled: 06/03/03 12:05 Received: 06/04/03 14:40									
Ethanol	ND	100	ug/l	1	3F17006	06/17/03	06/17/03	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	"	"	"	"	"	"	
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		*102 %*	*78-129*		"	"	"	"	
MW-8 (MMF0095-04) Water Sampled: 06/03/03 08:30 Received: 06/04/03 14:40									
Ethanol	ND	100	ug/l	1	3F17006	06/17/03	06/17/03	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	"	"	"	"	"	"	
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		*108 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #6002, Oakland, CA	MMF0095
500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VW-1 (MMF0095-05) Water Sampled: 06/03/03 11:25 Received: 06/04/03 14:40									
Ethanol	ND	100	ug/l	1	3F17006	06/17/03	06/17/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**13**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	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)	**71**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*78-129*		"	"	"	"	
VW-4 (MMF0095-06) Water Sampled: 06/03/03 10:50 Received: 06/04/03 14:40									
Ethanol	ND	2000	ug/l	20	3F13018	06/13/03	06/13/03	EPA 8260B	
tert-Butyl alcohol	**4100**	400	"	"	"	"	"	"	
Methyl tert-butyl ether	**440**	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	10	"	"	"	"	"	"	
Benzene	ND	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	1000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #6002, Oakland, CA	MMF0095
500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

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 3F13018 - EPA 5030B P/T										
Blank (3F13018-BLK1)				Prepared & Analyzed: 06/13/03						
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	*4.85*		"	*5.00*		*97.0*	*78-129*			
Laboratory Control Sample (3F13018-BS1)				Prepared & Analyzed: 06/13/03						
Methyl tert-butyl ether	9.11	0.50	ug/l	10.0		91.1	63-137			
Benzene	10.6	0.50	"	10.0		106	78-124			
Toluene	10.7	0.50	"	10.0		107	78-129			
Surrogate: 1,2-Dichloroethane-d4	*4.88*		"	*5.00*		*97.6*	*78-129*			
Laboratory Control Sample (3F13018-BS2)				Prepared & Analyzed: 06/13/03						
Methyl tert-butyl ether	9.11	0.50	ug/l	9.92		91.8	63-137			
Benzene	5.76	0.50	"	6.40		90.0	78-124			
Toluene	33.3	0.50	"	29.7		112	78-129			
Gasoline Range Organics (C6-C10)	509	50	"	440		116	70-113			Q-LIM
Surrogate: 1,2-Dichloroethane-d4	*5.09*		"	*5.00*		*102*	*78-129*			

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500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

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 3F13018 - EPA 5030B P/T										
Matrix Spike (3F13018-MS1)		**Source: MMF0033-01**		Prepared & Analyzed: 06/13/03						
Methyl tert-butyl ether	654	25	ug/l	496	210	89.5	63-137			
Benzene	1740	25	"	320	1500	75.0	78-124			QM-07
Toluene	1750	25	"	1480	68	114	78-129			
Gasoline Range Organics (C6-C10)	31600	2500	"	22000	4500	123	70-113			Q-LIM
Surrogate: 1,2-Dichloroethane-d4	*4.93*		"	*5.00*		*98.6*	*78-129*			
Matrix Spike Dup (3F13018-MSD1)		**Source: MMF0033-01**		Prepared & Analyzed: 06/13/03						
Methyl tert-butyl ether	672	25	ug/l	496	210	93.1	63-137	2.71	13	
Benzene	1750	25	"	320	1500	78.1	78-124	0.573	12	
Toluene	1760	25	"	1480	68	114	78-129	0.570	10	
Gasoline Range Organics (C6-C10)	32400	2500	"	22000	4500	127	70-113	2.50	9	Q-LIM
Surrogate: 1,2-Dichloroethane-d4	*5.09*		"	*5.00*		*102*	*78-129*			
Batch 3F17006 - EPA 5035										
Blank (3F17006-BLK1)				Prepared & Analyzed: 06/17/03						
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	*5.11*		"	*5.00*		*102*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #6002, Oakland, CA	MMF0095
500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

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 3F17006 - EPA 5035										
Laboratory Control Sample (3F17006-BS1)				Prepared & Analyzed: 06/17/03						
Methyl tert-butyl ether	9.59	0.50	ug/l	10.0		95.9	63-137			
Benzene	9.12	0.50	"	10.0		91.2	78-124			
Toluene	10.2	0.50	"	10.0		102	78-129			
Surrogate: 1,2-Dichloroethane-d4	*4.90*		"	*5.00*		*98.0*	*78-129*			
Laboratory Control Sample (3F17006-BS2)				Prepared & Analyzed: 06/17/03						
Methyl tert-butyl ether	9.29	0.50	ug/l	9.92		93.6	63-137			
Benzene	5.09	0.50	"	6.40		79.5	78-124			
Toluene	33.6	0.50	"	29.7		113	78-129			
Gasoline Range Organics (C6-C10)	472	50	"	440		107	70-113			
Surrogate: 1,2-Dichloroethane-d4	*5.34*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample Dup (3F17006-BSD1)				Prepared: 06/17/03 Analyzed: 06/18/03						
Methyl tert-butyl ether	10.6	0.50	ug/l	10.0		106	63-137	10.0	13	
Benzene	9.31	0.50	"	10.0		93.1	78-124	2.06	12	
Toluene	9.68	0.50	"	10.0		96.8	78-129	5.23	10	
Surrogate: 1,2-Dichloroethane-d4	*5.26*		"	*5.00*		*105*	*78-129*			
Laboratory Control Sample Dup (3F17006-BSD2)				Prepared: 06/17/03 Analyzed: 06/18/03						
Methyl tert-butyl ether	9.32	0.50	ug/l	9.92		94.0	63-137	0.322	13	
Benzene	4.99	0.50	"	6.40		78.0	78-124	1.98	12	
Toluene	30.3	0.50	"	29.7		102	78-129	10.3	10	QR-02
Gasoline Range Organics (C6-C10)	428	50	"	440		97.3	70-113	9.78	9	QR-02
Surrogate: 1,2-Dichloroethane-d4	*5.48*		"	*5.00*		*110*	*78-129*			
Matrix Spike (3F17006-MS1)		**Source: MMF0095-01**		Prepared & Analyzed: 06/17/03						
Methyl tert-butyl ether	9.76	0.50	ug/l	9.92	ND	98.4	63-137			
Benzene	5.24	0.50	"	6.40	ND	81.9	78-124			
Toluene	31.7	0.50	"	29.7	ND	107	78-129			
Gasoline Range Organics (C6-C10)	436	50	"	440	29	92.5	70-113			

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500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

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 3F17006 - EPA 5035										
Matrix Spike (3F17006-MS1)		**Source: MMF0095-01**		Prepared & Analyzed: 06/17/03						
Surrogate: 1,2-Dichloroethane-d4	*5.57*		*ug/l*	*5.00*		*111*	*78-129*			
Matrix Spike (3F17006-MS2)		**Source: MMF0143-01**		Prepared: 06/17/03 Analyzed: 06/18/03						
Methyl tert-butyl ether	13.1	0.50	ug/l	9.92	3.8	93.8	63-137			
Benzene	4.99	0.50	"	6.40	ND	78.0	78-124			
Toluene	30.5	0.50	"	29.7	ND	103	78-129			
Gasoline Range Organics (C6-C10)	417	50	"	440	32	87.5	70-113			
Surrogate: 1,2-Dichloroethane-d4	*5.15*		*"*	*5.00*		*103*	*78-129*			
Matrix Spike Dup (3F17006-MSD1)		**Source: MMF0095-01**		Prepared & Analyzed: 06/17/03						
Methyl tert-butyl ether	9.13	0.50	ug/l	9.92	ND	92.0	63-137	6.67	13	
Benzene	5.02	0.50	"	6.40	ND	78.4	78-124	4.29	12	
Toluene	33.1	0.50	"	29.7	ND	111	78-129	4.32	10	
Gasoline Range Organics (C6-C10)	456	50	"	440	29	97.0	70-113	4.48	9	
Surrogate: 1,2-Dichloroethane-d4	*5.27*		*"*	*5.00*		*105*	*78-129*			
Matrix Spike Dup (3F17006-MSD2)		**Source: MMF0143-01**		Prepared: 06/17/03 Analyzed: 06/18/03						
Methyl tert-butyl ether	13.3	0.50	ug/l	9.92	3.8	95.8	63-137	1.52	13	
Benzene	5.07	0.50	"	6.40	ND	79.2	78-124	1.59	12	
Toluene	31.5	0.50	"	29.7	ND	106	78-129	3.23	10	
Gasoline Range Organics (C6-C10)	420	50	"	440	32	88.2	70-113	0.717	9	
Surrogate: 1,2-Dichloroethane-d4	*5.30*		*"*	*5.00*		*106*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #6002, Oakland, CA	MMF0095
500 12th Street, Suite 100	Project Number: INTRIM-50675	**Reported:**
Oakland CA, 94607	Project Manager: Scott Robinson	06/19/03 10:47

Notes and Definitions

Q-LIM	The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

bp

Chain of Custody Record

Project Name: 036603-MM1

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Date: 6/3/02

Requested Due Date (mm/dd/yy): — MMF0095

On-site Time: 700	Temp: 70		
Off-site Time: 1245	Temp: 85		
Sky Conditions: blue skies			
Meteorological Events:			
Wind Speed:	Direction:		

Send To:

Lab Name: SEQUOIA

Lab Address: 885 Jarvis Dr.
Morgan Hill, CA 95037

Lab PM: Latonya Pelt

Tele/Fax: 408-776-9600 / 408-782-6308

Report Type & QC Level: Send EDF Reports

BP/GEM Account No.:

Lab Bottle Order No:

BP/GEM Facility No.:

BP/GEM Facility Address: 6235 Seminary Ave, OAKLAND, CA

Site ID No. ARCO 6002

Site Lat/Long:

California Global ID #: T0600100105

BP/GEM PM Contact: PAUL SUPPLE

Address:

Tele/Fax:

Consultant/Contractor: URS

Address: 500 12th St., Ste. 200
Oakland, CA 94609-4014

e-mail EDD: syed_rehan@urscorp.com

Consultant/Contractor Project No.: J5-00006002.01 00427

Consultant Tele/Fax: 510-874-1735/510-874-3268

Consultant/Contractor PM: Scott Robinson

Invoice to: Consultant/Contractor or BP/GEM (circle one) — BP/GEM circled

BP/GEM Work Release No: INTRIM -50675

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, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)					Sample Point Lat/Long and Comments
1	MW-4	945		X			01	3				X			X			X		X					
2	MW-5	1145		X			02	3				X			X			X		X					
3	MW-7	1215		X			03	3				X			X			X		X					
4	MW-8	830		X			04	3				X			X			X		X					
5	VW-1	1125		X			05	3				X			X			X		X					
6	VW-4	1050		X			06	3				X			X			X		X					
7																									
8																									
9																									
10																									

Sampler's Name: MIKE MCNAMARA

Sampler's Company: BLAINETECH SERVICES

Shipment Date:

Shipment Method:

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature] / BTS	6/4/03	1132	[signature]	6/4/03	1132
[signature]	6/4/03	1440	[signature]	6/4/03	14:40

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 5 °F/C (C circled)   Trip Blank Yes ___ No X

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT):
WORKORDER: TMF 0096

DATE REC'D AT LAB: 6/4/03
TIME REC'D AT LAB: 14:40
DATE LOGGED IN: 6-9-03

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)	01	-2	MW-4	(3) voas	HCL	L	6/3/03	
	Intact / Broken*	02		5					
2. Chain-of-Custody	(Present) / Absent*	03		7					
3. Traffic Reports or		04		8					
Packing List:	Present (Absent)	05		MW-1					
4. Airbill:	Airbill / Sticker	06		4					
	Present / (Absent)								
5. Airbill #:									
6. Sample Labels:	(Present) / Absent								
7. Sample IDs:	(Listed) / Not Listed								
	on Chain-of-Custody								
8. Sample Condition:	(Intact) / Broken* /								
	Leaking*								
9. Does information on 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

6/4/03

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

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

06/19/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #6002, Oakland, CA
Work Order Number:	MMF0095
Global ID:	T0600100105
Lab Report Number:	MMF0095061920031047

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MMF00950619200 31047	MW-4	MMF009501	W	CS	8260+OX	SW5035	06/03/03	06/17/03	06/17/03	3F17006	1	
MMF00950619200 31047	MW-5	MMF009502	W	CS	8260+OX	SW5035	06/03/03	06/17/03	06/17/03	3F17006	1	
MMF00950619200 31047	MW-7	MMF009503	W	CS	8260+OX	SW5035	06/03/03	06/17/03	06/17/03	3F17006	1	
MMF00950619200 31047	MW-8	MMF009504	W	CS	8260+OX	SW5035	06/03/03	06/17/03	06/17/03	3F17006	1	
MMF00950619200 31047	VW-1	MMF009505	W	CS	8260+OX	SW5035	06/03/03	06/17/03	06/17/03	3F17006	1	
MMF00950619200 31047	VW-4	MMF009506	W	CS	8260+OX	SW5030B	06/03/03	06/13/03	06/13/03	3F13018	1	
		MMF003301	W	NC	8260+OX	SW5030B	/ /	06/13/03	06/13/03	3F13018	1	
		MMF014301	W	NC	8260+OX	SW5035	/ /	06/17/03	06/18/03	3F17006	1	
		3F13018BS1	WQ	BS1	8260+OX	SW5030B	/ /	06/13/03	06/13/03	3F13018	1	
		3F13018BS2	WQ	BS2	8260+OX	SW5030B	/ /	06/13/03	06/13/03	3F13018	1	
		3F13018BLK1	WQ	LB1	8260+OX	SW5030B	/ /	06/13/03	06/13/03	3F13018	1	
		3F13018MS1	W	MS1	8260+OX	SW5030B	/ /	06/13/03	06/13/03	3F13018	1	
		3F13018MSD1	W	SD1	8260+OX	SW5030B	/ /	06/13/03	06/13/03	3F13018	1	
		3F17006BSD1	WQ	BD1	8260+OX	SW5035	/ /	06/17/03	06/18/03	3F17006	1	
		3F17006BSD2	WQ	BD2	8260+OX	SW5035	/ /	06/17/03	06/18/03	3F17006	1	
		3F17006BS1	WQ	BS1	8260+OX	SW5035	/ /	06/17/03	06/17/03	3F17006	1	
		3F17006BS2	WQ	BS2	8260+OX	SW5035	/ /	06/17/03	06/17/03	3F17006	1	
		3F17006BLK1	WQ	LB1	8260+OX	SW5035	/ /	06/17/03	06/17/03	3F17006	1	
		3F17006MS1	W	MS1	8260+OX	SW5035	/ /	06/17/03	06/17/03	3F17006	1	
		3F17006MS2	W	MS2	8260+OX	SW5035	/ /	06/17/03	06/18/03	3F17006	1	
		3F17006MSD1	W	SD1	8260+OX	SW5035	/ /	06/17/03	06/17/03	3F17006	1	
		3F17006MSD2	W	SD2	8260+OX	SW5035	/ /	06/17/03	06/18/03	3F17006	1	

EDFSAMP: Error Summary Log

06/19/03

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

EDFTEST: Error Summary Log

06/19/03

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

EDFRES: Error Summary Log

06/19/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3F13018MS1	MS1	W	8260+OX	PR	06/13/03	1	GROC6C10
Warning: extra parameter	3F13018MSD1	SD1	W	8260+OX	PR	06/13/03	1	GROC6C10
Warning: extra parameter	3F17006MS1	MS1	W	8260+OX	PR	06/17/03	1	GROC6C10
Warning: extra parameter	3F17006MS2	MS2	W	8260+OX	PR	06/18/03	1	GROC6C10
Warning: extra parameter	3F17006MSD1	SD1	W	8260+OX	PR	06/17/03	1	GROC6C10
Warning: extra parameter	3F17006MSD2	SD2	W	8260+OX	PR	06/18/03	1	GROC6C10
Warning: extra parameter	MMF003301	NC	W	8260+OX	PR	06/13/03	1	GROC6C10
Warning: extra parameter	MMF009501	CS	W	8260+OX	PR	06/17/03	1	GROC6C10
Warning: extra parameter	MMF009501	CS	W	8260+OX	PR	06/17/03	1	XYLENES
Warning: extra parameter	MMF009502	CS	W	8260+OX	PR	06/17/03	1	GROC6C10
Warning: extra parameter	MMF009502	CS	W	8260+OX	PR	06/17/03	1	XYLENES
Warning: extra parameter	MMF009503	CS	W	8260+OX	PR	06/17/03	1	GROC6C10
Warning: extra parameter	MMF009503	CS	W	8260+OX	PR	06/17/03	1	XYLENES
Warning: extra parameter	MMF009504	CS	W	8260+OX	PR	06/17/03	1	GROC6C10
Warning: extra parameter	MMF009504	CS	W	8260+OX	PR	06/17/03	1	XYLENES
Warning: extra parameter	MMF009505	CS	W	8260+OX	PR	06/17/03	1	GROC6C10
Warning: extra parameter	MMF009505	CS	W	8260+OX	PR	06/17/03	1	XYLENES
Warning: extra parameter	MMF009506	CS	W	8260+OX	PR	06/13/03	1	GROC6C10
Warning: extra parameter	MMF009506	CS	W	8260+OX	PR	06/13/03	1	XYLENES
Warning: extra parameter	MMF014301	NC	W	8260+OX	PR	06/18/03	1	GROC6C10
Warning: extra parameter	3F13018BLK1	LB1	WQ	8260+OX	PR	06/13/03	1	GROC6C10
Warning: extra parameter	3F13018BLK1	LB1	WQ	8260+OX	PR	06/13/03	1	XYLENES
Warning: extra parameter	3F13018BS2	BS2	WQ	8260+OX	PR	06/13/03	1	GROC6C10
Warning: extra parameter	3F17006BLK1	LB1	WQ	8260+OX	PR	06/17/03	1	GROC6C10
Warning: extra parameter	3F17006BLK1	LB1	WQ	8260+OX	PR	06/17/03	1	XYLENES

EDFQC: Error Summary Log

06/19/03

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

EDFCL: Error Summary Log

06/19/03

Error type	Clrevdate	Anmcode	Exmcode	Parlabel	Clcode
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 succcessfully uploaded!

Confirmation Number: 4180585443
Date/Time of Submittal: 6/19/2003 5:20:57 PM
Facility Global ID: T0600100105
Facility Name: ARCO
Submittal Title: 2nd Qtr 2003 Monitoring Report for #6002
Submittal Type: GW Monitoring Report

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

AB2886 Electronic Delivery

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**2nd Qtr 2003 Geowell for #6002**
Submittal Date/Time:	**6/19/2003 5:23:34 PM**
Confirmation Number:	**2562850773**

Back to Main Menu

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