R0432

Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 6549
Moraga, California 94570
Phone: (925) 299-8891
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July 29, 2004

Mr. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Second Quarter 2004 Groundwater Monitoring Report
Atlantic Richfield Company Service Station #6041
7249 Village Parkway
Dublin, California
URS Project #38486728

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

Submitted by:

Paul Supple
Environmental Business Manager

URS

July 29, 2004

Mr. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Second Quarter 2004 Groundwater Monitoring Report
Atlantic Richfield Company Service Station #6041
7249 Village Parkway
Dublin, California
URS Project #38486728

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company (RM), a BP affiliated company, URS Corporation (URS) is submitting the *Second Quarter 2004 Groundwater Monitoring Report* for the Atlantic Richfield Company Service Station #6041, located at 7249 Village Parkway, Dublin, California.

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

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

James F. Durkin, C. Hg.
Senior Geologist

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

Enclosure: Second Quarter 2004 Groundwater Monitoring Report

cc: Ms. Karen Petryna, Equiva Services, LLC, PO Box 7869, Burbank, CA 91510-7869
Mr. Paul Supple, RM, (electronic copy uploaded to ENFOS)

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

Date: July 29, 2004

Quarter: 2Q 04

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.:	6041	Address:	7249 Village Parkway, Dublin, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486728
Primary Agency:			Alameda County Environmental Health

WORK PERFORMED THIS QUARTER (Second – 2004):

1. Performed second quarter 2004 groundwater monitoring event on June 21, 2004.
2. Prepared and submitted first quarter 2004 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Third – 2004):

1. Prepare and submit second quarter 2004 groundwater monitoring report.
2. Perform third quarter 2004 groundwater monitoring event.

Current Phase of Project:	Groundwater monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-2, MW-3, MW-4 and MW-8 Annual (3rd Qtr.): MW-5 and MW-6
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Bulk Soil Removed to Date:	3,208 cubic yards
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	7.35 (MW-2) to 8.68 (MW-5)
Groundwater Gradient (direction):	Southeast
Groundwater Gradient (magnitude):	0.004 feet per foot

DISCUSSION:

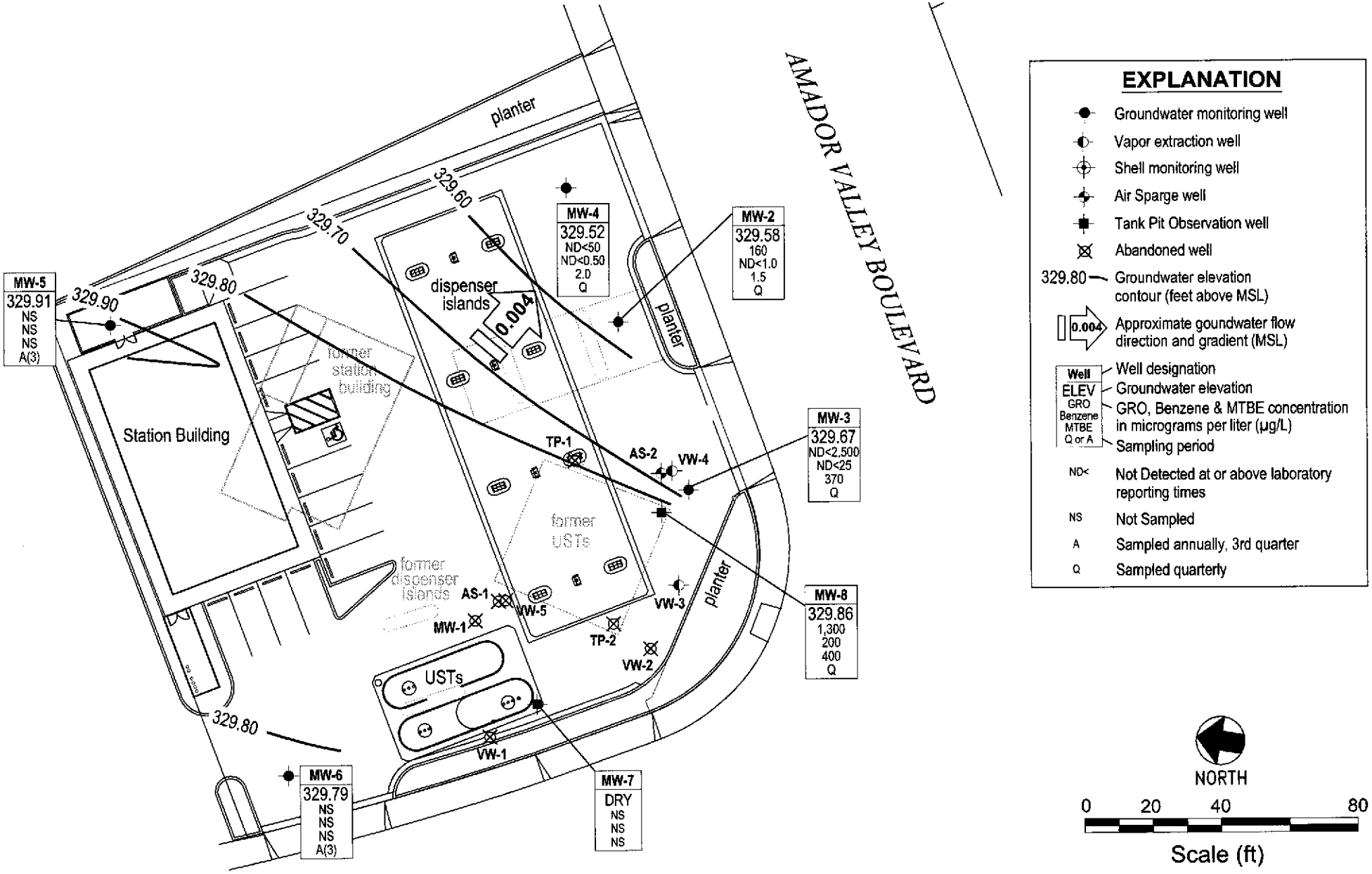
Gasoline Range Organics (GRO) were detected above laboratory reporting limits in two of the four wells sampled this quarter at concentrations of 160 micrograms per liter (µg/L) (MW-2) and 1,300 µg/L (MW-8). Benzene was detected above laboratory reporting limits in one well at a concentration of 200 µg/L (MW-8). Methyl tert-butyl ether (MTBE) was detected above laboratory reporting limits in all four wells at concentrations ranging from 1.5 µg/L (MW-2) to 400 µg/L (MW-8). Tert-Butyl alcohol (TBA) was detected above laboratory reporting limits in three wells at concentrations ranging from 2,900 µg/L (MW-2) to 34,000 µg/L (MW-3).

URS requests a response regarding last quarter's recommendation to change the sampling frequency at MW-4 from quarterly to semi-annually.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – June 21, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Additive Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC and EDF/Geowell Submittal Confirmation

Jul 26, 2004 - 5:02pm
X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\6041\Monitoring\Qtr. 2, 2004\Drawings\GWEC-AS_6-21-04.dwg



EXPLANATION

- Groundwater monitoring well
- Vapor extraction well
- Shell monitoring well
- Air Sparge well
- Tank Pit Observation well
- Abandoned well
- 329.80 — Groundwater elevation contour (feet above MSL)
- 0.004 — Approximate goundwater flow direction and gradient (MSL)

Well	Well designation
ELEV	Groundwater elevation
GRO Benzene MTBE	GRO, Benzene & MTBE concentration in micrograms per liter (µg/L)
Q or A	Sampling period
ND<	Not Detected at or above laboratory reporting times
NS	Not Sampled
A	Sampled annually, 3rd quarter
Q	Sampled quarterly

NORTH

0 20 40 80

Scale (ft)

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

URS	Project No. 38486728 Atlantic Richfield Company Service Station #6041 7249 Village Parkway Dublin, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Second Quarter 2004 (June 21, 2004)	FIGURE 1

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	2/15/1995	--	336.56	8.53	--	328.03	820	15	<1	5.2	1.4	--/--	--	--	--	
	5/24/1995	--	336.56	9.00	--	327.56	640	12	<1	7.3	<1	--/--	--	--	--	
	8/25/1995	--	336.56	10.30	--	326.26	780	2	<1	2	2	2,500/--	--	--	--	
	11/28/1995	--	336.56	11.01	--	325.55	570	2.2	<0.5	1.4	0.9	--/--	--	--	--	
	2/26/1996	--	336.56	7.35	--	329.21	1,100	28	<7	13	7	3,400/--	--	--	--	
	5/23/1996	--	336.56	8.73	--	327.83	560	8.5	<1	1.1	<1	3,900/--	--	--	--	
	8/23/1996	--	336.56	10.25	--	326.31	860	<1	<1	<4	2	5,600/--	--	--	--	
	3/21/1997	--	336.56	9.35	--	327.21	520	12	<0.5	2.7	1.5	6,200/--	--	--	--	
	8/20/1997	--	336.56	10.75	--	325.81	<5,000	<50	<50	<50	<50	7,400/--	--	--	--	
	11/21/1997	--	336.56	11.10	--	325.46	<5,000	<50	<50	<50	<50	8,500/--	--	--	--	
	2/12/1998	P	336.56	7.05	--	329.51	210	<0.5	<0.5	<0.5	<0.5	8,900/--	1.71	--	--	
	7/31/1998	P	336.56	10.04	--	326.52	<20,000	<200	<200	<200	<200	18,000/--	2.43	--	--	
	2/17/1999	--	336.56	8.50	--	328.06	<20,000	<200	<200	<200	<200	16,000/--	1	--	--	
	8/24/1999	P	336.56	10.40	--	326.16	190	<0.5	4.4	<0.5	1.1	15,000/--	--	--	--	
	3/1/2000	P	336.56	8.85	--	327.71	310	20	0.5	7.6	4	80,000/--	1.57	--	--	
	8/18/2000	P	336.56	9.35	--	327.21	<10,000	<100	<100	<100	<100	48,400/63,700	1.5	--	--	
	12/27/2000	P	336.56	10.81	--	325.75	<10,000	309	<100	<100	289	44,400/--	0.51	--	--	
	2/9/2001	P	336.56	10.65	--	325.91	2,820	368	<25.0	116	176	23,300/--	0.58	--	--	
	4/17/2001	P	NR	11.09	--	--	2,900	66	<10.0	33.2	25.1	46,500/--	0.63	--	--	
	7/17/2001	P	NR	11.07	--	--	<10,000	<100	<100	130	520	42,000/--	0.69	--	--	
	12/21/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well abandoned
MW-2	2/15/1995	--	334.8	6.75	--	328.05	730	110	1.7	25	66	--/--	--	--	--	
	5/24/1995	--	334.8	6.88	--	327.92	370	110	<1	17	1.9	--/--	--	--	--	
	8/25/1995	--	334.8	7.91	--	326.89	150	6	<1	<1	<1	2,700/--	--	--	--	
	11/28/1995	--	334.8	9.06	--	325.74	<50	<0.5	<0.5	<0.5	0.8	--/--	--	--	--	
	2/26/1996	--	334.8	6.65	--	328.15	350	66	<0.5	11	1.7	<3/--	--	--	--	
	5/23/1996	--	334.8	6.90	--	327.90	540	140	<2.5	13	<2.5	4,600/--	--	--	--	
	8/23/1996	--	334.8	8.45	--	326.35	180	0.8	2	0.7	2.6	4,000/--	--	--	--	
	3/21/1997	--	334.8	7.28	--	327.52	410	90	<1	14	4	3,800/--	--	--	--	
	8/20/1997	--	334.8	8.87	--	325.93	<5,000	<50	<50	<50	<50	3,100/--	--	--	--	
	11/21/1997	--	334.8	9.28	--	325.52	<2,000	<20	<20	<20	<20	2,600/--	--	--	--	
	2/12/1998	P	334.8	5.90	--	328.90	310	54	<0.5	6.2	1.1	3,800/--	3.76	--	--	
	7/31/1998	P	334.8	8.12	--	326.68	6,100	52	220	110	1,100	7,700/--	2.96	--	--	

Table 1

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Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	2/17/1999	P	334.8	7.18	--	327.62	<5,000	<50	<50	<50	<50	4,200/- -	1	--	- -	
	8/24/1999	P	334.8	8.68	--	326.12	200	1.8	16	3	32	3,100/- -	- -	--	- -	
	3/1/2000	P	334.8	7.02	--	327.78	760	24	12	13	59	6,300/- -	1.92	--	- -	
	8/18/2000	P	334.8	7.75	--	327.05	<500	<5.00	<5.00	<5.00	<5.00	1,610/1,980	2.03	--	- -	
	12/27/2000	--	334.8	8.85	--	325.95	--	--	--	--	--	--	--	--	--	Well sampled 1Q, 3Q
	2/9/2001	P	334.8	8.50	--	326.30	<50.0	<0.500	<0.500	<0.500	<0.500	9.11/- -	0.53	--	- -	
	4/17/2001	--	334.8	9.12	--	325.68	--	--	--	--	--	--	--	--	--	Well sampled 1Q, 3Q
	7/17/2001	P	334.8	8.99	--	325.81	1,200	<10	<10	<10	<10	4,200/- -	0.69	--	- -	
	12/21/2001	NP	NR	8.65	--	--	65	<0.50	1.2	0.61	6.7	11/6.5	0.48	--	- -	
	3/6/2002	NP	NR	8.61	--	--	<50	<0.50	<0.50	<0.50	1.8	31/- -	0.35	--	- -	
	4/26/2002	NP	NR	8.20	--	--	92	<0.5	<0.50	<0.50	0.64	98/180	0.19	--	- -	
	9/23/2002	P	NR	8.50d	--	326.30d	250 a	<1.2	<1.2	<1.2	<1.2	- -/1,500	2.1	--	7.3	
	12/27/2002	P	NR	7.15d	--	327.65d	440 a	<2.5	<2.5	<2.5	<2.5	- -/790	1.4	--	6.9	
	3/12/2003	P	NR	7.33	--	NRf	<50	1.6	<0.50	<0.50	1.2	- -/11	2.7	--	7	g
	06/28/03 h	P	337.29	7.49	--	329.80	<50	<0.50	<0.50	<0.50	<0.50	- -/1.2	2	--	7.4	
	9/30/2003	P	337.29	8.20	--	329.09	<50	<0.50	<0.50	<0.50	<0.50	- -/5.2	2.2	--	7	
	12/05/2003	NP	337.29	7.73	--	329.56	--	<0.50	<0.50	<0.50	<0.50	2.6	4.3	SEQM	7.3	
	03/10/2004	P	337.29	6.70	--	330.59	<500	<5.0	<5.0	<5.0	<5.0	5.6	2.1	SEQM	6.4	
	06/21/2004	**P**	**337.29**	**7.71**	**--**	**329.58**	**160**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**1.5**	**3.1**	**SEQM**	**6.9**	**odor**
MW-3	2/15/1995	--	335.53	8.55	--	326.98	100	14	<0.5	6.3	<0.5	- -/- -	- -	--	- -	
	5/24/1995	--	335.53	8.17	--	327.36	110	8	<0.5	2.7	<0.5	- -/- -	- -	--	- -	
	8/25/1995	--	335.53	9.27	--	326.26	210	3.6	<0.5	2.9	0.6	20,000/- -	- -	--	- -	
	11/28/1995	--	335.53	9.91	--	325.62	81	1.5	<0.5	1.4	<0.5	- -/15,000	- -	--	- -	
	2/26/1996	--	335.53	8.42	--	327.11	16,000	1,600	1,200	300	2,000	9,500/- -	- -	--	- -	
	5/23/1996	--	335.53	7.70	--	327.83	6,500	690	<10	120	14	8,600/- -	- -	--	- -	
	8/23/1996	--	335.53	9.25	--	326.28	1,700	85	2.1	61	5.3	11,000/- -	- -	--	- -	
	3/21/1997	--	335.53	8.72	--	326.81	100	2	<1	1	<1	6,600/- -	- -	--	- -	
	8/20/1997	--	335.53	9.73	--	325.80	<5,000	<50	<50	<50	<50	7,700/- -	- -	--	- -	
	11/21/1997	--	335.53	10.10	--	325.43	<5,000	<50	<50	<50	<50	9,700/- -	- -	--	- -	
	2/12/1998	P	335.53	6.68	--	328.85	110	11	<0.5	<0.5	1.9	10,000/- -	1.02	--	- -	
	7/31/1998	P	335.53	7.98	--	327.55	<10,000	<100	<100	<100	<100	13,000/- -	2.59	--	- -	
	2/17/1999	P	335.53	8.40	--	327.13	<20,000	<200	<200	<200	<200	23,000/- -	1	--	- -	

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-3	8/24/1999	P	335.53	9.45	--	326.08	200	0.6	5.6	0.6	1.7	22,000/- -	- -	--	- -	
	3/1/2000	P	335.53	8.32	--	327.21	320	32	1	6.1	4	58,000/- -	2.42	--	- -	
	8/18/2000	P	335.53	8.35	--	327.18	<10,000	<100	<100	<100	<100	46,200/55,600	1.59	--	- -	
	12/27/2000	P	NR	9.75	--	--	29,700	1,620	1,730	<250	6,230	62,600/- -	1.59	--	- -	
	2/9/2001	P	NR	9.61	--	--	29,300	2,590	3,530	440	7,080	85,500/- -	0.51	--	- -	
	4/17/2001	P	NR	9.94	--	--	16,400	1,680	<25.0	310	2,290	48,700/- -	0.41	--	- -	
	7/17/2001	P	NR	9.93	--	--	21,000	1,500	<100	1,100	690	82,000/- -	0.51	--	- -	
	12/21/2001	P	NR	9.40	--	--	<5,000	<50	<50	<50	<50	4,300/3,800	0.4	--	- -	
	3/6/2002	P	NR	9.33	--	--	<50	1.2	<0.50	1.1	13	880/- -	0.43	--	- -	
	4/26/2002	P	NR	9.19	--	--	260	3.7	<1.0	1.1	1.8	460/940	0.2	--	- -	
	9/23/2002	P	NR	9.30d	--	326.23d	1,500 b	41	2.4	9.8	14	- -/980	1.5	--	7.6	
	12/27/2002	P	NR	7.30d	--	328.23d	1,500 c	300	100	21	66	1,100	2.2	--	8.6	
	3/12/2003 g	P	NR	8.06	--	NRf	<1,000	<10	<10	<10	<10	45	1.6	--	7.4	
	06/28/03 h	P	338.18	8.60	--	329.58	1,500	20	27	12	45	- -/140	1.7	--	7.6	
	9/30/2003	P	338.18	9.04	--	329.14	<2,500	<25	<25	<25	<25	- -/650	0.9	--	7.4	
	12/05/2003	P	338.18	8.57	--	329.61	--	<25	<25	<25	<25	480	1.3	SEQM	11.2	
	03/10/2004	P	338.18	7.58	--	330.60	180	7.4	<1.0	<1.0	<1.0	75	2.0	SEQM	--	
	06/21/2004	**P**	**338.18**	**8.51**	**--**	**329.67**	**<2,500**	**<25**	**<25**	**<25**	**<25**	**370**	**4.6**	**SEQM**	**7.4**	**well dewatered**
MW-4	2/15/1995	--	334.22	7.85	--	326.37	<50	<0.5	<0.5	<0.5	<0.5	- -/- -	- -	--	- -	
	5/24/1995	--	334.22	6.68	--	327.54	--	--	--	--	--	--	--	--	--	Well sampled 1Q, 3Q
	8/25/1995	--	334.22	6.93	--	327.29	<50	<0.5	<0.5	<0.5	<0.5	<3/- -	- -	--	- -	
	11/28/1995	--	334.22	8.21	--	326.01	--	--	--	--	--	--	--	--	--	Well sampled 1Q, 3Q
	2/26/1996	--	334.22	6.65	--	327.57	<50	<0.5	<0.5	<0.5	<0.5	<3/- -	- -	--	- -	
	5/23/1996	--	334.22	6.47	--	327.75	--	--	--	--	--	--	--	--	--	Well not sampled
	8/23/1996	--	334.22	7.66	--	326.56	--	--	--	--	--	--	--	--	--	Well not sampled
	3/21/1997	--	334.22	6.84	--	327.38	--	--	--	--	--	--	--	--	--	Well not sampled
	8/20/1997	--	334.22	8.32	--	325.90	--	--	--	--	--	--	--	--	--	Well not sampled
	11/21/1997	--	334.22	8.65	--	325.57	--	--	--	--	--	--	--	--	--	Well not sampled

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-4	2/12/1998	--	334.22	6.35	--	327.87	--	--	--	--	--	--	--	--	--	Well not sampled
	7/31/1998	--	334.22	6.84	--	327.38	--	--	--	--	--	--	--	--	--	Well not sampled
	2/17/1999	--	334.22	7.50	--	326.72	--	--	--	--	--	--	--	--	--	Well not sampled
	8/24/1999	--	334.22	9.50	--	324.72	--	--	--	--	--	--	--	--	--	Well not sampled
	3/1/2000	--	334.22	6.93	--	327.29	--	--	--	--	--	--	--	--	--	Well not sampled
	8/18/2000	--	334.22	7.03	--	327.19	--	--	--	--	--	--	--	--	--	Well not sampled
	12/27/2000	--	334.22	8.10	--	326.12	--	--	--	--	--	--	--	--	--	Well not sampled
	2/9/2001	--	334.22	7.97	--	326.25	--	--	--	--	--	--	--	--	--	Well not sampled
	4/17/2001	--	334.22	8.90	--	325.32	--	--	--	--	--	--	--	--	--	Well not sampled
	7/17/2001	--	334.22	8.59	--	325.63	--	--	--	--	--	--	--	--	--	Well not sampled
	12/21/2001	NP	334.22	8.31	--	325.91	<50	<0.50	<0.50	<0.50	<0.50	4.1/2	0.68	--	--	
	3/6/2002	P	334.22	8.27	--	325.95	<50	<0.50	<0.50	<0.50	<0.50	<5.0/- -	0.37	--	--	
	4/26/2002	P	334.22	8.05	--	326.17	<50	<0.50	<0.50	<0.50	<0.50	3.6/- -	0.3	--	--	
	9/23/2002	P	334.22	7.94	--	326.28	<50	<0.50	<0.50	<0.50	<0.50	- -/2.9	4.1	--	7.3	
	12/27/2002	--	334.22	7.56	--	326.66	<50	<0.50	<0.50	<0.50	<0.50	--	2.1	--	6.9	
	3/12/2003 g	P	334.22	7.67	--	326.55	<50	<0.50	<0.50	<0.50	<0.50	1.6	2.8	--	6.8	
	06/28/03 h	P	336.87	7.60	--	329.27	<50	<0.50	<0.50	<0.50	<0.50	- -/2.1	--	--	5.6	
	9/30/2003	--	336.87	7.66	--	329.21	<50	<0.50	<0.50	<0.50	<0.50	--	2.2	--	6.9	
	06/21/2004	**P**	**336.87**	**7.35**	**--**	**329.52**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**2.0**	**5.4**	**SEQM**	**7.0**	
MW-5	2/15/1995	--	335.87	7.80	--	328.07	<50	<0.5	<0.5	<0.5	<0.5	- -/- -	--	--	--	
	5/24/1995	--	335.87	8.10	--	327.77	--	--	--	--	--	--	--	--	--	Not sampled: well sampled annually, during the first quarter
	8/25/1995	--	335.87	9.43	--	326.44	--	--	--	--	--	--	--	--	--	Not sampled: well sampled annually, during the first quarter

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-5	11/28/1995	--	335.87	10.12	--	325.75	--	--	--	--	--	--	--	--	--	Not sampled: well sampled annually, during the first quarter
	2/26/1996	--	335.87	6.73	--	329.14	3/13/1996	<0.5	<0.5	<0.5	<0.5	<3/--	--	--	--	
	5/23/1996	--	335.87	7.87	--	328.00	--	--	--	--	--	--	--	--	--	Not sampled: well sampled annually, during the first quarter
	8/23/1996	--	335.87	9.46	--	326.41	--	--	--	--	--	--	--	--	--	Well not sampled
	3/21/1997	--	335.87	8.23	--	327.64	--	--	--	--	--	--	--	--	--	Well not sampled
	8/20/1997	--	335.87	9.92	--	325.95	--	--	--	--	--	--	--	--	--	Well not sampled
	11/21/1997	--	335.87	10.18	--	325.69	--	--	--	--	--	--	--	--	--	Well not sampled
	2/12/1998	--	335.87	6.45	--	329.42	--	--	--	--	--	--	--	--	--	Well not sampled
	7/31/1998	--	335.87	8.98	--	326.89	--	--	--	--	--	--	--	--	--	Well not sampled
	2/17/1999	--	335.87	7.65	--	328.22	--	--	--	--	--	--	--	--	--	Well not sampled
	8/24/1999	--	335.87	8.10	--	327.77	--	--	--	--	--	--	--	--	--	Well not sampled
	3/1/2000	--	335.87	7.31	--	328.56	--	--	--	--	--	--	--	--	--	Well not sampled
	8/18/2000	--	335.87	8.65	--	327.22	--	--	--	--	--	--	--	--	--	Well not sampled
	12/27/2000	--	335.87	9.80	--	326.07	--	--	--	--	--	--	--	--	--	Well not sampled
	2/9/2001	--	335.87	9.65	--	326.22	--	--	--	--	--	--	--	--	--	Well not sampled
	4/17/2001	--	335.87	9.92	--	325.95	--	--	--	--	--	--	--	--	--	Well not sampled
	7/17/2001	--	335.87	9.95	--	325.92	--	--	--	--	--	--	--	--	--	Well not sampled
	12/21/2001	--	335.87	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-5	3/6/2002	--	335.87	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
	4/26/2002	--	335.87	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
	9/23/2002	--	335.87	7.94	--	327.93	--	--	--	--	--	--	--	--	--	Well not sampled
	12/27/2002	--	335.87	7.57	--	328.30	<50	<0.50	<0.50	<0.50	0.76	- -	0.7	--	6.9	
	3/12/2003 g	--	335.87	8.32	--	327.55	NS	NS	NS	NS	NS	--	NS	--	NS	
	06/28/03 h	--	338.59	8.58	--	330.01	NS	NS	NS	NS	NS	--	NS	--	NS	
	9/30/2003	--	338.59	9.28	--	329.31	NS	NS	NS	NS	NS	--	NS	--	NS	
	03/10/2004	--	338.59	7.57	--	331.02	--	--	--	--	--	--	--	--	--	
	06/21/2004	--	**338.59**	**8.68**	--	**329.91**	--	--	--	--	--	--	--	--	--	
MW-6	2/15/1995	--	335.84	7.81	--	328.03	<50	<0.5	<0.5	<0.5	<0.5	- -/- -	- -	--	- -	
	5/24/1995	--	335.84	8.35	--	327.49	--	--	--	--	--	--	--	--	--	Well sampled first quarter
	8/25/1995	--	335.84	9.71	--	326.13	--	--	--	--	--	--	--	--	--	Well sampled first quarter
	11/28/1995	--	335.84	10.28	--	325.56	--	--	--	--	--	--	--	--	--	Well sampled first quarter
	2/26/1996	--	335.84	6.60	--	329.24	<50	<0.5	<0.5	<0.5	<0.5	<3/- -	- -	--	- -	
	5/23/1996	--	335.84	8.05	--	327.79	--	--	--	--	--	--	--	--	--	Well not sampled
	8/23/1996	--	335.84	9.58	--	326.26	--	--	--	--	--	--	--	--	--	Well not sampled
	3/21/1997	--	335.84	8.39	--	327.45	--	--	--	--	--	--	--	--	--	Well not sampled
	8/20/1997	--	335.84	9.98	--	325.86	--	--	--	--	--	--	--	--	--	Well not sampled
	11/21/1997	--	335.84	10.31	--	325.53	--	--	--	--	--	--	--	--	--	Well not sampled
	2/12/1998	--	335.84	3.15	--	332.69	--	--	--	--	--	--	--	--	--	Well not sampled
	7/31/1998	--	335.84	9.29	--	326.55	--	--	--	--	--	--	--	--	--	Well not sampled
	2/17/1999	--	335.84	7.72	--	328.12	--	--	--	--	--	--	--	--	--	Well not sampled
	8/24/1999	--	335.84	9.65	--	326.19	--	--	--	--	--	--	--	--	--	Well not sampled

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-6	3/1/2000	--	335.84	7.35	--	328.49	--	--	--	--	--	--	--	--	--	Well not sampled
	8/18/2000	--	335.84	8.65	--	327.19	--	--	--	--	--	--	--	--	--	Well not sampled
	12/27/2000	--	335.84	9.83	--	326.01	--	--	--	--	--	--	--	--	--	Well not sampled
	2/9/2001	--	335.84	9.62	--	326.22	--	--	--	--	--	--	--	--	--	Well not sampled
	4/17/2001	--	335.84	10.03	--	325.81	--	--	--	--	--	--	--	--	--	Well not sampled
	7/17/2001	--	335.84	9.95	--	325.89	--	--	--	--	--	--	--	--	--	Well not sampled
	12/21/2001	NP	335.84	9.47	--	326.37	<50	<0.50	<0.50	<0.50	0.57	<2.5/- -	0.55	--	- -	
	3/6/2002	P	335.84	9.31	--	326.53	<50	<0.50	<0.50	<0.50	<0.50	<5.0/- -	0.33	--	- -	
	4/26/2002	P	335.84	9.09	--	326.75	<50	<0.50	<0.50	<0.50	0.7	<2.5/- -	0.31	--	- -	
	9/23/2002	P	335.84	9.14	--	326.70	<50	<0.50	<0.50	<0.50	<0.50	- -/<0.50	2.1	--	7.4	
	12/27/2002	--	335.84	7.26	--	328.58	<50	<0.50	<0.50	<0.50	0.63	--	0.8	--	7	
	3/12/2003 g	P	335.84	8.41	--	327.43	<50	<0.50	<0.50	<0.50	<0.50	0.64	1.3	--	7.2	
	06/28/03 h	P	338.37	8.56	--	329.81	<50	<0.50	<0.50	<0.50	<0.50	- -/0.62	1.6	--	6.8	
	9/30/2003	--	338.37	9.32	--	329.05	<250	<2.5	<2.5	<2.5	<2.5	- -	0.8	--	7	
	03/10/2004	--	338.37	7.65	--	330.72	--	--	--	--	--	--	--	--	--	
	06/21/2004	--	**338.37**	**8.58**	--	**329.79**	--	--	--	--	--	--	--	--	--	
MW-7	12/21/2001	--	NR	NR	--	NR	--	--	--	--	--	--	--	--	--	Well dry
	3/6/2002	--	NR	NR	--	NR	--	--	--	--	--	--	--	--	--	Well dry
	4/26/2002	--	NR	NR	--	NR	--	--	--	--	--	--	--	--	--	Well dry
	9/23/2002	--	NR	NR	--	NR	--	--	--	--	--	--	--	--	--	Well dry
	12/27/2002	--	NR	7.74	--	NR	<50	<0.50	<0.50	<0.50	<0.50	--	2.7	--	7	
	3/12/2003 g	--	NR	--	--	--	--	--	--	--	--	--	--	--	--	Well dry
	06/28/03 h	--	338.62	--	--	--	--	--	--	--	--	--	--	--	--	Well dry
	9/30/2003	--	338.62	--	--	--	--	--	--	--	--	--	--	--	--	Well dry
	12/05/2003	--	338.62	--	--	--	--	--	--	--	--	--	--	--	--	Dry
	03/10/2004	--	338.62	7.78	--	330.84	--	--	--	--	--	--	--	--	--	
	06/21/2004	--	**338.62**	--	--	--	--	--	--	--	--	--	--	--	--	**Dry**
MW-8	12/21/2001	NP	NR	8.70	--	NR	<5,000	67	<50	<50	<50	2,400/1,300	0.6	--	- -	

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Well Elevation/ TOC (feet)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-8	3/6/2002	P	NR	8.63	--	NR	210	41	0.64	0.79	2	940/- -	0.25	--	- -	
	4/26/2002	P	NR	8.15	--	NR	680	95	<1.0	14	2.5	490/- -	0.31	--	- -	
	9/30/2002	P	NR	9.37	--	NR	1,100 c	120	<5.0	57	8.7	1,100	1.3	--	6.9	
	12/27/2002	P	NR	7.55	--	NR	350 b	13	<0.50	2.4	2.2	73	0.8	--	6.9	
	3/12/2003 g	P	NR	8.25	--	NR	<2,500	89	<25	<25	<25	740	1.4	--	6.9	
	06/28/03 h	P	338.27	8.38	--	329.89	7,000	680	<25	110	180	2,900	1.9	--	4.8	
	9/30/2003	P	338.27	9.09	--	329.18	1,500	240	18	45	150	180	1	--	6.8	
	12/05/2003	P	338.27	8.37	--	329.90	--	60	<2.5	15	4.2	150	1.5	SEQM	7.1	Odor
	03/10/2004	P	338.27	7.41	--	330.86	690	50	<5.0	7.4	6.8	370	2.2	SEQM	6.3	odor
	06/21/2004	**P**	**338.27**	**8.41**	**--**	**329.86**	**1,300**	**200**	**<5.0**	**65**	**82**	**400**	**0.80**	**SEQM**	**6.8**	**odor**
VW-2	3/21/1997	--	NR	8.22	--	NR	150	8.9	<0.5	<0.5	0.6	270/- -	- -	--	- -	
	8/20/1997	--	NR	9.16	--	NR	--	--	--	--	--	--	--	--	--	Not sampled
	11/21/1997	--	NR	8.27	--	NR	<200	3	<2	<2	<2	180/- -	- -	--	- -	
	2/12/1998	--	NR	6.65	--	NR	200	19	<0.5	0.6	<0.5	2,200/- -	- -	--	- -	
	7/31/1998	--	NR	7.01	--	NR	--	--	--	--	--	--	--	--	--	Not sampled
	2/17/1999	--	NR	8.47	--	NR	--	--	--	--	--	--	--	--	--	Not sampled
	8/24/1999	--	NR	8.20	--	NR	--	--	--	--	--	--	--	--	--	Not sampled
	3/1/2000	--	NR	8.72	--	NR	--	--	--	--	--	--	--	--	--	Not sampled
	8/18/2000	NP	NR	8.40	--	NR	<250	<2.50	<2.50	<2.50	<2.50	537/- -	1.59	--	- -	
	12/27/2000	--	NR	8.95	--	NR	--	--	--	--	--	--	--	--	--	Well Dry
	2/9/2001	--	NR	8.87	--	NR	--	--	--	--	--	--	--	--	--	Well Dry
	4/17/2001	--	NR	9.00	--	NR	--	--	--	--	--	--	--	--	--	Well Dry
	7/17/2001	--	NR	8.97	--	NR	--	--	--	--	--	--	--	--	--	Well Dry
	12/21/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well abandoned

Table 1

Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Notes:
TOC = Top of casing
ft-MSL = Elevation in feet, relative to mean sea level
TPH = Total Petroleum Hydrocarbons analyzed using EPA Method 8015B modified
BTEX = Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 03/01/00).
MTBE = Methyl tert-butyl ether analyzed using EPA Method 8260B
EPA = United States Environmental Protection Agency
* = EPA method 8020 prior to 03/01/00
µg/L = Micrograms per liter
mg/L = Milligrams per liter
NR = Not reported; data not available or not measurable
- - = Not analyzed or not applicable
ND< = Not detected at or above the laboratory reporting limit.
P = Purge Sample
** = For previous historical groundwater elevation and analytical data please refer to Fourth Quarter 1995 Groundwater Monitoring Program Results, Atlantic Richfield Company Service Station 6041, Dublin, California, (EMCON, February 26, 1996).
DUP = Duplicate
a = Discrete peak at C6-C7.
b = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
c = Chromatogram Pattern: C6-C10
d = Well casing broken, TOC unknown.
e = Well mistakenly sampled this quarter
f = Well casing was repaired and needs to be resurveyed.
g = Beginning the 1st quarter of 2003, TPH-g, BTEX and MTBE were analyzed by EPA Method 8260B.
h = Elevations resurveyed on 7/21/2003.
i = Dissolved oxygen and pH levels are field mesurements.
j = pH levels for Well MW-3 on 12/05/03 ranged from 7.2 to 11.25
k = Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.
m = Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.
Source The data within this table collected prior to September 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Additives Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-2	12/05/2003	<100	730	2.6	<0.50	<0.50	<0.50	<0.50	<0.50
	03/10/2004	<1,000	13,000	5.6	<5.0	<5.0	<5.0	<5.0	<5.0
	06/21/2004	**<200**	**2,900**	**1.5**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**
MW-3	12/05/2003	<5,000	39,000	480	<25	<25	<25	<25	<25
	03/10/2004	<200	590	75	<1.0	<1.0	<1.0	<1.0	<1.0
	06/21/2004	**<5,000**	**34,000**	**370**	**<25**	**<25**	**<25**	**<25**	**<25**
MW-4	12/27/2002	<40	<20	–	<0.50	<0.50	<0.50	<0.50	<0.50
	9/30/2003	<100	<20	- -	<0.50	<0.50	<0.50	<0.50	<0.50
	06/21/2004	**<100**	**<20**	**2.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW-5	12/27/2002	<40	<20	- -	<0.50	<0.50	<0.50	<0.50	<0.50
MW-6	12/27/2002	<40	<20	–	<0.50	<0.50	<0.50	<0.50	<0.50
	9/30/2003	<500	<100	- -	<2.5	<2.5	<2.5	<2.5	<2.5
MW-7	12/27/2002	<40	<20	–	<0.50	<0.50	<0.50	<0.50	<0.50
	9/30/2003	--	--	--	--	--	--	--	--
MW-8	12/05/2003	<500	500	150	<2.5	<2.5	<2.5	<2.5	<2.5
	03/10/2004	<1,000	420	370	<5.0	<5.0	<5.0	<5.0	<5.0
	06/21/2004	**<1,000**	**9,200**	**400**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**

Table 2

Fuel Additives Analytical Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Notes: 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
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
ND< = Not detected at or above the laboratory reporting limit.
mg/L = micrograms per liter
a = The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

Table 3

Groundwater Gradient Data

Atlantic Richfield Company Service Station No.6041
7249 Village Parkway, Dublin, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
2/15/1995	NR	NR
5/24/1995	East-Southeast	0.002
8/25/1995	Northwest	0.006
11/28/1995	North	0.006
2/26/1996	East	0.012
5/23/1996	Flat Gradient	Flat Gradient
8/23/1996	Flat Gradient	Flat Gradient
3/21/1997	South-Southeast	0.005
8/20/1997	South-Southwest	0.001
11/21/1997	South-Southwest	0.002
2/12/1998	East	0.024
7/31/1998	Northwest	0.01
2/17/1999	Southeast	0.007
8/24/1999	South-Southwest	0.013
3/1/2000	South-Southeast	0.005
9/26/2000	South-Southeast	0.002
12/27/2000	West-Southwest	0.003
2/9/2001	West-Southwest	0.003
4/17/2001	South-Southwest	0.015
7/17/2001	South-Southwest	0.003
12/21/2001	East	0.002
3/6/2002	East	0.003
4/26/2002	Southeast	0.003
9/27/2002	South	0.013
12/27/2002	Southeast	0.011
3/12/2003	South-Southeast	0.008
6/28/2003	South	0.001
9/30/2003	Southwest	0.002
12/5/2003	West	0.009
3/10/2004	South-Southeast	0.003
6/21/2004	**Southeast**	**0.004**

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

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

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

WELL GAUGING DATA

Project # 040671-MJ1 Date 6/21/04 Client ARCO 6041

Site 7249 Village Parkway, Dublin

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-2	4					7.71	9.45		NPE10
MW-3	4					8.51	13.88		
MW-4	4					7.35	14.48		
MW-5	4					8.68	17.45		G
MW-6	4					8.58	12.61		G
MW-7	4					DRY	8.17		G
MW-8	4					8.41	12.65		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040621-MW1	Station # ARCO 6091
Sampler: MD	Date: 6/21/04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 9.45	Depth to Water: 7.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: _____

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

1.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0902	71.0	7.1	3421	1.1	cloudy, odor
0905	72.1	7.0	3550	2.2	"
0907	71.7	6.9	3634	3.3	cloudy, odor

Did well dewater? Yes (No)			Gallons actually evacuated: 3.3		
Sampling Time: 0915			Sampling Date: 6/21/04		
Sample I.D.: MW-2			Laboratory: Pace (Sequoia) Other ___		
Analyzed for: (GRO) (BTEX) MTBE DRO			Other: OXYS, 12DCA, EDB, Methanol		
D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	3.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 070621-MW1	Station # Arco 6041
Sampler: MW	Date: 6/21/04
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 13.88	Depth to Water: 8.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

3.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 10.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0852	67.7	8.1	599	3.5	cloudy
	Well dewatered		@ 3.5		DTW = 12.41
0950	68.8	7.4	1276	—	cloudy DTW = 8.87

Did well dewater? (Yes) No — Gallons actually evacuated: 3.5

Sampling Time: 0950 — Sampling Date: 6/21/04

Sample I.D.: MW-3 — Laboratory: Pace (Sequoia) Other ___

Analyzed for: (GRO) (BTEX) MTBE DRO — Other: OXYS, 12DCA, EDB, Ethanol

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040621-MW1	Station # Arco 6041
Sampler: MW	Date: 6/21/04
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.48	Depth to Water: ~~X~~ 7.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

4.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 13.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0829	67.7	6.9	5126	5	clear
0831	69.2	6.8	5000	10	"
0835	68.0	7.0	5076	15	clear

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Time: 0845 Sampling Date: 6/21/04

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: ~~CKV's~~, 1-2DCA, EDB, Ethanol

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	5.4	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040621-MW1	Station # ARCO 6041
Sampler: MW	Date: 6/21/04
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 17.65	Depth to Water: 8.41
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	radius^2 * 0.163

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

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

Top of Screen: ____

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

2.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 8.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0921	69.8	6.9	1738	3	odor, grey/black
0922	71.0	6.8	1955	6	" " "
0923	71.4	6.8	1898	9	odor, grey/black

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

Sampling Time: 0930 Sampling Date: 6/21/04

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: Oxys, 1,2 DCA, EDB, Ethanol

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

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:

6091

Station #

7249 ~~Valley~~ Village Parkway, Dublin

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

34

added equip. rinse water_____

any other adjustments_____

TOTAL GALS. RECOVERED 34

loaded onto BTS vehicle # 59

BTS event # 090621-MB1

time 1015

date 6/21/04

signature

* *

REC'D AT BTS

time 1400

date 6/21/04

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 Atlantic Richfield Company have been reviewed and verified by that laboratory.

Sequoia Analytical

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

9 July, 2004

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

RE: ARCO #6041, Dublin, CA
Work Order: MNF0612

Enclosed are the results of analyses for samples received by the laboratory on 06/22/04 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MNF0612-01	Water	06/21/04 09:15	06/22/04 15:30
MW-3	MNF0612-02	Water	06/21/04 09:50	06/22/04 15:30
MW-4	MNF0612-03	Water	06/21/04 08:45	06/22/04 15:30
MW-8	MNF0612-04	Water	06/21/04 09:30	06/22/04 15:30
TB-6041-062104	MNF0612-05	Water	06/21/04 00:00	06/22/04 15:30

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

These samples were received with intact custody seals.

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MNF0612-01) Water Sampled: 06/21/04 09:15 Received: 06/22/04 15:30									
tert-Amyl methyl ether	ND	1.0	ug/l	2	4G01001	07/01/04	07/01/04	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	**2900**	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.5**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**160**	100	"	"	"	"	"	"	HC-19
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*78-129*		"	"	"	
MW-3 (MNF0612-02) Water Sampled: 06/21/04 09:50 Received: 06/22/04 15:30									
tert-Amyl methyl ether	ND	25	ug/l	50	4G01001	07/01/04	07/01/04	EPA 8260B	
Benzene	ND	25	"	"	"	"	"	"	
tert-Butyl alcohol	**34000**	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	5000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**370**	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*78-129*		"	"	"	

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MNF0612-03) Water Sampled: 06/21/04 08:45 Received: 06/22/04 15:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4F30009	06/30/04	07/01/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	CC04
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.0**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*78-129*		"	"	"	"	
MW-8 (MNF0612-04) Water Sampled: 06/21/04 09:30 Received: 06/22/04 15:30									
tert-Amyl methyl ether	ND	5.0	ug/l	10	4F30009	06/30/04	07/01/04	EPA 8260B	
Benzene	**200**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**9200**	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	CC04
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**65**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**400**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**82**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**1300**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

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 4F30009 - EPA 5030B P/T										
Blank (4F30009-BLK1)				Prepared & Analyzed: 06/30/04						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.33*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample (4F30009-BS1)				Prepared & Analyzed: 06/30/04						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	82-140			
Benzene	9.54	0.50	"	10.0		95	69-124			
tert-Butyl alcohol	52.0	20	"	50.0		104	56-131			
Di-isopropyl ether	10.5	0.50	"	10.0		105	76-130			
1,2-Dibromoethane (EDB)	10.9	0.50	"	10.0		109	77-132			
1,2-Dichloroethane	10.2	0.50	"	10.0		102	77-136			
Ethanol	193	100	"	200		96	31-143			
Ethyl tert-butyl ether	10.9	0.50	"	10.0		109	81-121			
Ethylbenzene	10.6	0.50	"	10.0		106	84-132			
Methyl tert-butyl ether	10.4	0.50	"	10.0		104	63-137			
Toluene	9.82	0.50	"	10.0		98	78-129			
Xylenes (total)	33.0	0.50	"	30.0		110	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.16*		"	*5.00*		*103*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

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 4F30009 - EPA 5030B P/T										
Laboratory Control Sample (4F30009-BS2)				Prepared & Analyzed: 06/30/04						
Benzene	4.99	0.50	ug/l	6.40		78	69-124			
Ethylbenzene	7.65	0.50	"	6.96		110	84-132			
Methyl tert-butyl ether	8.52	0.50	"	9.92		86	63-137			
Toluene	29.2	0.50	"	29.7		98	78-129			
Xylenes (total)	38.5	0.50	"	33.7		114	83-137			
Gasoline Range Organics (C4-C12)	369	50	"	440		84	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.22*		"	*5.00*		*104*	*78-129*			
Laboratory Control Sample Dup (4F30009-BSD1)				Prepared & Analyzed: 06/30/04						
tert-Amyl methyl ether	9.72	0.50	ug/l	10.0		97	82-140	9	20	
Benzene	9.03	0.50	"	10.0		90	69-124	5	20	
tert-Butyl alcohol	56.1	20	"	50.0		112	56-131	8	20	
Di-isopropyl ether	9.66	0.50	"	10.0		97	76-130	8	20	
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0		106	77-132	3	20	
1,2-Dichloroethane	9.33	0.50	"	10.0		93	77-136	9	20	
Ethanol	198	100	"	200		99	31-143	3	20	CC04
Ethyl tert-butyl ether	9.83	0.50	"	10.0		98	81-121	10	20	
Ethylbenzene	10.2	0.50	"	10.0		102	84-132	4	20	
Methyl tert-butyl ether	9.00	0.50	"	10.0		90	63-137	14	20	
Toluene	9.33	0.50	"	10.0		93	78-129	5	20	
Xylenes (total)	31.8	0.50	"	30.0		106	83-137	4	20	
Surrogate: 1,2-Dichloroethane-d4	*5.23*		"	*5.00*		*105*	*78-129*			
Laboratory Control Sample Dup (4F30009-BSD2)				Prepared & Analyzed: 06/30/04						
Benzene	5.27	0.50	ug/l	6.40		82	69-124	5	20	
Ethylbenzene	7.71	0.50	"	6.96		111	84-132	0.8	20	
Methyl tert-butyl ether	7.85	0.50	"	9.92		79	63-137	8	20	
Toluene	30.5	0.50	"	29.7		103	78-129	4	20	
Xylenes (total)	38.8	0.50	"	33.7		115	83-137	0.8	20	
Gasoline Range Organics (C4-C12)	416	50	"	440		95	70-124	12	20	
Surrogate: 1,2-Dichloroethane-d4	*5.28*		"	*5.00*		*106*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

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 4F30009 - EPA 5030B P/T										
Matrix Spike (4F30009-MS1)	**Source: MNF0612-04**			Prepared: 06/30/04		Analyzed: 07/01/04				
Gasoline Range Organics (C4-C12)	5110	500	ug/l	4400	1300	87	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.46*		"	*5.00*		*109*	*78-129*			
Matrix Spike Dup (4F30009-MSD1)	**Source: MNF0612-04**			Prepared: 06/30/04		Analyzed: 07/01/04				
Gasoline Range Organics (C4-C12)	4870	500	ug/l	4400	1300	81	70-124	5	20	
Surrogate: 1,2-Dichloroethane-d4	*5.26*		"	*5.00*		*105*	*78-129*			
Batch 4G01001 - EPA 5030B P/T										
Blank (4G01001-BLK1)				Prepared & Analyzed: 07/01/04						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.17*		"	*5.00*		*103*	*78-129*			
Laboratory Control Sample (4G01001-BS1)				Prepared & Analyzed: 07/01/04						
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	82-140			
Benzene	8.94	0.50	"	10.0		89	69-124			
tert-Butyl alcohol	48.2	20	"	50.0		96	56-131			
Di-isopropyl ether	11.2	0.50	"	10.0		112	76-130			
1,2-Dibromoethane (EDB)	9.52	0.50	"	10.0		95	77-132			
1,2-Dichloroethane	10.5	0.50	"	10.0		105	77-136			
Ethanol	154	100	"	200		77	31-143			
Ethyl tert-butyl ether	11.4	0.50	"	10.0		114	81-121			
Ethylbenzene	9.93	0.50	"	10.0		99	84-132			
Methyl tert-butyl ether	11.5	0.50	"	10.0		115	63-137			
Toluene	9.67	0.50	"	10.0		97	78-129			

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

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 4G01001 - EPA 5030B P/T										
Laboratory Control Sample (4G01001-BS1)				Prepared & Analyzed: 07/01/04						
Xylenes (total)	25.5	0.50	ug/l	30.0		85	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.35*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample (4G01001-BS2)				Prepared & Analyzed: 07/01/04						
Gasoline Range Organics (C4-C12)	427	50	ug/l	440		97	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.49*		"	*5.00*		*110*	*78-129*			
Laboratory Control Sample Dup (4G01001-BSD1)				Prepared & Analyzed: 07/01/04						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0		102	82-140	4	20	
Benzene	9.22	0.50	"	10.0		92	69-124	3	20	
tert-Butyl alcohol	46.4	20	"	50.0		93	56-131	4	20	
Di-isopropyl ether	11.1	0.50	"	10.0		111	76-130	0.9	20	
1,2-Dibromoethane (EDB)	9.58	0.50	"	10.0		96	77-132	0.6	20	
1,2-Dichloroethane	10.7	0.50	"	10.0		107	77-136	2	20	
Ethanol	156	100	"	200		78	31-143	1	20	
Ethyl tert-butyl ether	11.6	0.50	"	10.0		116	81-121	2	20	
Ethylbenzene	9.93	0.50	"	10.0		99	84-132	0	20	
Methyl tert-butyl ether	11.2	0.50	"	10.0		112	63-137	3	20	
Toluene	10.0	0.50	"	10.0		100	78-129	3	20	
Xylenes (total)	29.8	0.50	"	30.0		99	83-137	16	20	
Surrogate: 1,2-Dichloroethane-d4	*5.75*		"	*5.00*		*115*	*78-129*			
Matrix Spike (4G01001-MS1)	**Source: MNF0624-11**			Prepared & Analyzed: 07/01/04						
Benzene	730	10	ug/l	128	590	109	69-124			
Ethylbenzene	647	10	"	139	470	127	84-132			
Methyl tert-butyl ether	373	10	"	198	180	97	63-137			
Toluene	738	10	"	594	44	117	78-129			
Xylenes (total)	1210	10	"	674	470	110	83-137			
Gasoline Range Organics (C4-C12)	21100	1000	"	8800	10000	126	70-124			CC01, QM01
Surrogate: 1,2-Dichloroethane-d4	*5.53*		"	*5.00*		*111*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

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 4G01001 - EPA 5030B P/T										
Matrix Spike Dup (4G01001-MSD1)	**Source: MNF0624-11**			Prepared & Analyzed: 07/01/04						
Benzene	764	10	ug/l	128	590	136	69-124	5	20	QM01
Ethylbenzene	651	10	"	139	470	130	84-132	0.6	20	
Methyl tert-butyl ether	361	10	"	198	180	91	63-137	3	20	
Toluene	755	10	"	594	44	120	78-129	2	20	
Xylenes (total)	1250	10	"	674	470	116	83-137	3	20	
Gasoline Range Organics (C4-C12)	21400	1000	"	8800	10000	130	70-124	1	20	CC01, QM01
Surrogate: 1,2-Dichloroethane-d4	*5.45*		"	*5.00*		*109*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

Notes and Definitions

QM01	The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
HC-19	Discrete peak @ C4-C5.
CC04	The continuing calibration verification was outside of client contractual acceptance limits by 10.9% high. However, it was within method acceptance limits. The data should still be useful for its intended purpose.
CC01	The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNF0612
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	07/09/04 19:20

EDF Notes and Definitions

Qualifier	LNote	LNote description
QM01	LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
HC-19	PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
CC04	IC	Calib. verif. is within method limits but outside contract limits
CC01	PE	Possible high bias due to CCV falling outside acceptance criteria

Chain of Custody Record

bp

Project Name 6041 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT

MDF0612
46000

Date: 6/21/04

On-site Time: 0730	Temp: 50
Off-site Time: 1015	Temp: 55
Sky Conditions: Cloudy	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: ARCO 6041	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 7249 Village PKWY, DUBLIN, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 6041	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #:	Consultant/Contractor Project No.: 35-00006041.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50691

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: GRO / BTEX 8015/8021 & 8260	Requested Analysis: DRO w/SGC (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-2	0915		✓			01	3				✓	✓				✓	✓	✓	
2	MW-3	0920		✓			02	3				✓	✓				✓	✓	✓	
3	MW-4	0845		✓			03	3				✓	✓				✓	✓	✓	
4	MW-8	0930		✓			04	3				✓	✓				✓	✓	✓	
5	TB-6041-062104	—		✓			05	2				✓								on hold
6																				
7																				
8																				
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Johnny Jong						
Sampler's Company: Blaine Tech Services	[signature] BTS	6/21/04	1433	[signature]	6/21/04	1433
Shipment Date:	[signature]	6/22/04	1530	[signature]	6/22/04	1530
Shipment Method:						
Shipment Tracking No:						

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

Seals In Place Yes ✓ No ___ Temperature Blank Yes ✓ No ___ Cooler Temperature on Receipt 5.1 °F/C Trip Blank Yes ✓ No ___

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): Andrew Tuttle
WORKORDER: 406062

DATE REC'D AT LAB: 6/22/04
TIME REC'D AT LAB: 15:30
DATE LOGGED IN: 6-23-04

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

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) (Present) / Absent (Intact) / Broken*			MW-2	(3)VOA	HCL	L	6/21/04	
2. Chain-of-Custody (Present) / Absent*			MW-3	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / (Absent)			MW-4					
4. Airbill: Airbill / Sticker Present / (Absent)			MW-8	↓				
5. Airbill #:			TB-604-062104	(2)VOA				
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time? (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper Preservatives used? (Yes) / No*								
13. (Trip Blank) / Temp Blank Received? (circle which, if yes) (Yes) / No*								
14. Temp Rec. at Lab: 5.1 Is temp 4 +/-2°C? (Yes) / No**								

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

ACT 6/22/04 A

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

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

07/16/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #6041, Dublin, CA
Work Order Number:	MNF0612
Global ID:	T0600100109
Lab Report Number:	MNF0612070920041920

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MNF06120709200 41920	MW-2	MNF061201	W	CS	8260FA	SW5030B	06/21/04	07/01/04	07/01/04	4G01001	1
MNF06120709200 41920	MW-3	MNF061202	W	CS	8260FA	SW5030B	06/21/04	07/01/04	07/01/04	4G01001	1
MNF06120709200 41920	MW-4	MNF061203	W	CS	8260FA	SW5030B	06/21/04	06/30/04	07/01/04	4F30009	1
MNF06120709200 41920	MW-8	MNF061204	W	CS	8260FA	SW5030B	06/21/04	06/30/04	07/01/04	4F30009	1
		MNF062411	W	NC	8260FA	SW5030B	/ /	07/01/04	07/01/04	4G01001	1
		4F30009BSD1	WQ	BD1	8260FA	SW5030B	/ /	06/30/04	06/30/04	4F30009	1
		4F30009BSD2	WQ	BD2	8260FA	SW5030B	/ /	06/30/04	06/30/04	4F30009	1
		4F30009BS1	WQ	BS1	8260FA	SW5030B	/ /	06/30/04	06/30/04	4F30009	1
		4F30009BS2	WQ	BS2	8260FA	SW5030B	/ /	06/30/04	06/30/04	4F30009	1
		4F30009BLK1	WQ	LB1	8260FA	SW5030B	/ /	06/30/04	06/30/04	4F30009	1
		4F30009MS1	W	MS1	8260FA	SW5030B	/ /	06/30/04	07/01/04	4F30009	1
		4F30009MSD1	W	SD1	8260FA	SW5030B	/ /	06/30/04	07/01/04	4F30009	1
		4G01001BSD1	WQ	BD1	8260FA	SW5030B	/ /	07/01/04	07/01/04	4G01001	1
		4G01001BS1	WQ	BS1	8260FA	SW5030B	/ /	07/01/04	07/01/04	4G01001	1
		4G01001BS2	WQ	BS2	8260FA	SW5030B	/ /	07/01/04	07/01/04	4G01001	1
		4G01001BLK1	WQ	LB1	8260FA	SW5030B	/ /	07/01/04	07/01/04	4G01001	1
		4G01001MS1	W	MS1	8260FA	SW5030B	/ /	07/01/04	07/01/04	4G01001	1
		4G01001MSD1	W	SD1	8260FA	SW5030B	/ /	07/01/04	07/01/04	4G01001	1

EDFSAMP: Error Summary Log

07/16/04

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

EDFTEST: Error Summary Log

07/16/04

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

EDFRES: Error Summary Log

07/16/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4F30009MS1	MS1	W	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	4F30009MS1	MS1	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	4F30009MSD1	SD1	W	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	4F30009MSD1	SD1	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	4G01001MS1	MS1	W	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	4G01001MS1	MS1	W	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	4G01001MS1	MS1	W	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	4G01001MS1	MS1	W	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	4G01001MS1	MS1	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	4G01001MS1	MS1	W	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	MNF061201	CS	W	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	MNF061201	CS	W	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	MNF061201	CS	W	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	MNF061201	CS	W	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	MNF061201	CS	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	MNF061201	CS	W	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	MNF061202	CS	W	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	MNF061202	CS	W	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	MNF061202	CS	W	8260FA	PR	07/01/04	1	DCA12D4

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MNF061202	CS	W	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	MNF061202	CS	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	MNF061202	CS	W	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	MNF061203	CS	W	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	MNF061203	CS	W	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	MNF061203	CS	W	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	MNF061203	CS	W	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	MNF061203	CS	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	MNF061203	CS	W	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	MNF061204	CS	W	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	MNF061204	CS	W	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	MNF061204	CS	W	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	MNF061204	CS	W	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	MNF061204	CS	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	MNF061204	CS	W	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	MNF062411	NC	W	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	MNF062411	NC	W	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	MNF062411	NC	W	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	MNF062411	NC	W	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	MNF062411	NC	W	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	MNF062411	NC	W	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	4F30009BLK1	LB1	WQ	8260FA	PR	06/30/04	1	BZ
Warning: extra parameter	4F30009BLK1	LB1	WQ	8260FA	PR	06/30/04	1	BZME
Warning: extra parameter	4F30009BLK1	LB1	WQ	8260FA	PR	06/30/04	1	DCA12D4
Warning: extra parameter	4F30009BLK1	LB1	WQ	8260FA	PR	06/30/04	1	EBZ
Warning: extra parameter	4F30009BLK1	LB1	WQ	8260FA	PR	06/30/04	1	GROC4C12
Warning: extra parameter	4F30009BLK1	LB1	WQ	8260FA	PR	06/30/04	1	XYLENES
Warning: extra parameter	4F30009BS1	BS1	WQ	8260FA	PR	06/30/04	1	BZ
Warning: extra parameter	4F30009BS1	BS1	WQ	8260FA	PR	06/30/04	1	BZME

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4F30009BS1	BS1	WQ	8260FA	PR	06/30/04	1	DCA12D4
Warning: extra parameter	4F30009BS1	BS1	WQ	8260FA	PR	06/30/04	1	EBZ
Warning: extra parameter	4F30009BS1	BS1	WQ	8260FA	PR	06/30/04	1	XYLENES
Warning: extra parameter	4F30009BS2	BS2	WQ	8260FA	PR	06/30/04	1	BZ
Warning: extra parameter	4F30009BS2	BS2	WQ	8260FA	PR	06/30/04	1	BZME
Warning: extra parameter	4F30009BS2	BS2	WQ	8260FA	PR	06/30/04	1	DCA12D4
Warning: extra parameter	4F30009BS2	BS2	WQ	8260FA	PR	06/30/04	1	EBZ
Warning: extra parameter	4F30009BS2	BS2	WQ	8260FA	PR	06/30/04	1	GROC4C12
Warning: extra parameter	4F30009BS2	BS2	WQ	8260FA	PR	06/30/04	1	XYLENES
Warning: extra parameter	4F30009BSD1	BD1	WQ	8260FA	PR	06/30/04	1	BZ
Warning: extra parameter	4F30009BSD1	BD1	WQ	8260FA	PR	06/30/04	1	BZME
Warning: extra parameter	4F30009BSD1	BD1	WQ	8260FA	PR	06/30/04	1	DCA12D4
Warning: extra parameter	4F30009BSD1	BD1	WQ	8260FA	PR	06/30/04	1	EBZ
Warning: extra parameter	4F30009BSD1	BD1	WQ	8260FA	PR	06/30/04	1	XYLENES
Warning: extra parameter	4F30009BSD2	BD2	WQ	8260FA	PR	06/30/04	1	BZ
Warning: extra parameter	4F30009BSD2	BD2	WQ	8260FA	PR	06/30/04	1	BZME
Warning: extra parameter	4F30009BSD2	BD2	WQ	8260FA	PR	06/30/04	1	DCA12D4
Warning: extra parameter	4F30009BSD2	BD2	WQ	8260FA	PR	06/30/04	1	EBZ
Warning: extra parameter	4F30009BSD2	BD2	WQ	8260FA	PR	06/30/04	1	GROC4C12
Warning: extra parameter	4F30009BSD2	BD2	WQ	8260FA	PR	06/30/04	1	XYLENES
Warning: extra parameter	4G01001BLK1	LB1	WQ	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	4G01001BLK1	LB1	WQ	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	4G01001BLK1	LB1	WQ	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	4G01001BLK1	LB1	WQ	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	4G01001BLK1	LB1	WQ	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	4G01001BLK1	LB1	WQ	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	4G01001BS1	BS1	WQ	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	4G01001BS1	BS1	WQ	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	4G01001BS1	BS1	WQ	8260FA	PR	07/01/04	1	DCA12D4

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	4G01001BS1	BS1	WQ	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	4G01001BS1	BS1	WQ	8260FA	PR	07/01/04	1	XYLENES
Warning: extra parameter	4G01001BS2	BS2	WQ	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	4G01001BS2	BS2	WQ	8260FA	PR	07/01/04	1	GROC4C12
Warning: extra parameter	4G01001BSD1	BD1	WQ	8260FA	PR	07/01/04	1	BZ
Warning: extra parameter	4G01001BSD1	BD1	WQ	8260FA	PR	07/01/04	1	BZME
Warning: extra parameter	4G01001BSD1	BD1	WQ	8260FA	PR	07/01/04	1	DCA12D4
Warning: extra parameter	4G01001BSD1	BD1	WQ	8260FA	PR	07/01/04	1	EBZ
Warning: extra parameter	4G01001BSD1	BD1	WQ	8260FA	PR	07/01/04	1	XYLENES
Error: LNOTE has an invalid note	4G01001MS1	MS1	W	8260FA	PR	07/01/04	1	GROC4C12
Error: LNOTE has an invalid note	4G01001MS1	MS1	W	8260FA	PR	07/01/04	1	GROC4C12
Error: LNOTE has an invalid note	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	BZ
Error: LNOTE has an invalid note	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	GROC4C12
Error: LNOTE has an invalid note	4G01001MSD1	SD1	W	8260FA	PR	07/01/04	1	GROC4C12
Error: LNOTE has an invalid note	MNF061203	CS	W	8260FA	PR	07/01/04	1	ETHANOL
Error: LNOTE has an invalid note	MNF061204	CS	W	8260FA	PR	07/01/04	1	ETHANOL
Error: LNOTE has an invalid note	4F30009BSD1	BD1	WQ	8260FA	PR	06/30/04	1	ETHANOL

EDFQC: Error Summary Log

07/16/04

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

EDFCL: Error Summary Log

07/16/04

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

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Confirmation Number: 5651283025
Date/Time of Submittal: 7/16/2004 2:31:40 PM
Facility Global ID: T0600100109
Facility Name: ARCO # 06041
Submittal Title: 2nd Qtr 2004 Monitoring Report #6041
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO # 06041
7249 VILLAGE PKWY
DUBLIN, CA 94568

Regional Board - Case #: 01-0117
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: RO0000452
ALAMEDA COUNTY LOP - **(RWS)**

CONF #	TITLE	QUARTER
5651283025	2nd Qtr 2004 Monitoring Report #6041	Q2 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	7/16/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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