RO-452

URS

Alameda County
NOV 03 2004
Environmental Health

October 29, 2004

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

Re: Third Quarter 2004 Groundwater Monitoring Report
ARCO 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 *Third Quarter 2004 Groundwater Monitoring Report* for the ARCO 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

REGISTERED GEOLOGIST
ROBERT M. HORWATH
NO. 5925
4/05
STATE OF CALIFORNIA

Scott Robinson
Project Manager

Robert Horwath, R.G.
Portfolio Manager

Enclosure: Third Quarter 2004 Groundwater Monitoring Report

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

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

REPORT

THIRD QUARTER 2004 GROUNDWATER MONITORING

ARCO SERVICE STATION #6041
7249 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

Prepared for
RM

October 29, 2004

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486728

Date: October 29, 2004

Quarter: 3Q 04

RM 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 (Third – 2004):

1. Performed third quarter 2004 groundwater monitoring events on September 17 and September 24 2004.
2. Prepared and submitted second quarter 2004 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2004):

1. Prepare and submit this third quarter 2004 groundwater monitoring report.
2. Perform fourth 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:	7.30 (MW-4) to 8.53 (MW-5)
Groundwater Gradient (direction):	Variable
Groundwater Gradient (magnitude):	0.001 to 0.007 feet per foot

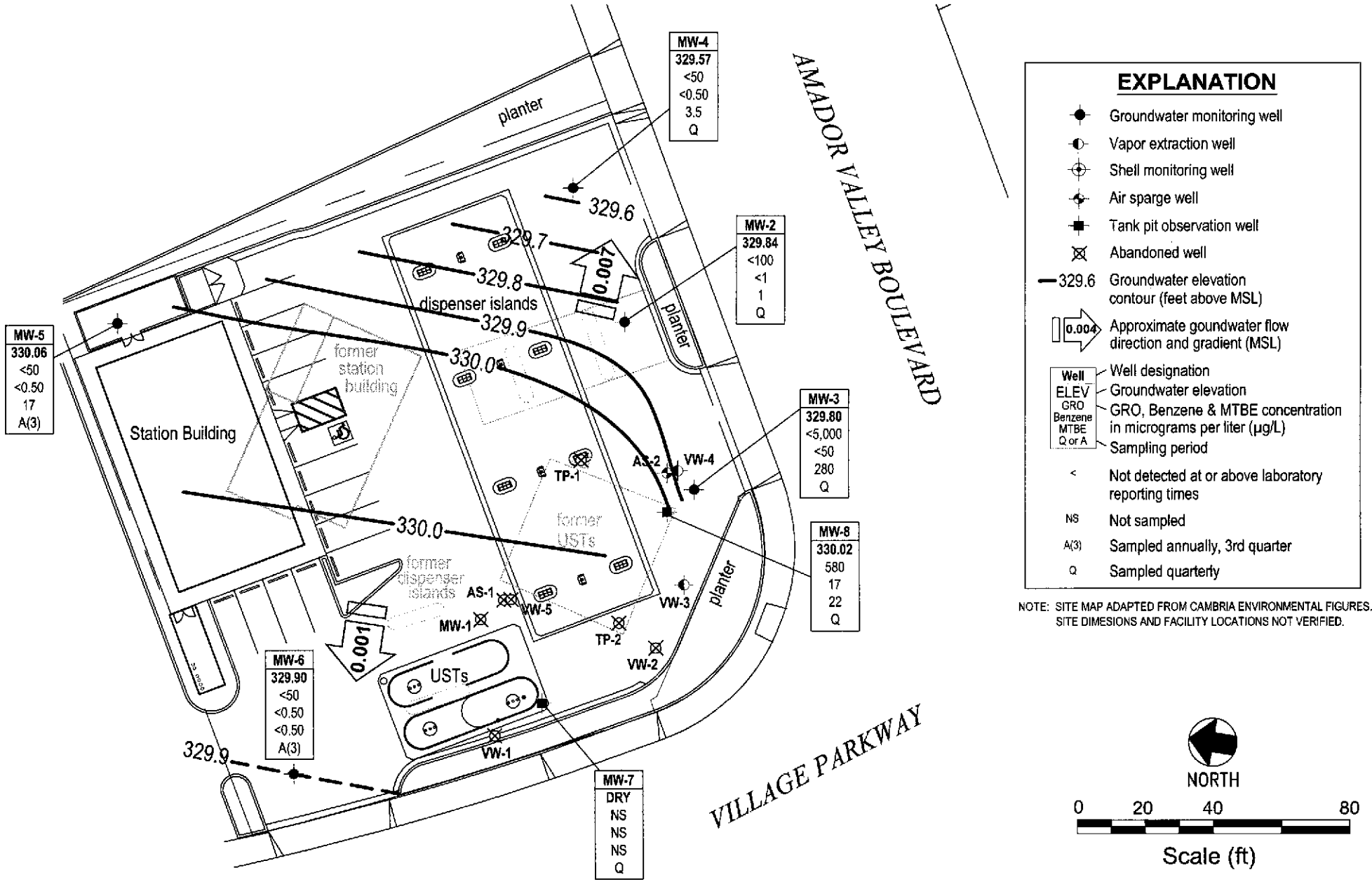
DISCUSSION:

Gasoline Range Organics (GRO) were detected above laboratory reporting limits in one of the five wells sampled this quarter at concentrations of 580 micrograms per liter (µg/L) (MW-8). Benzene was detected above laboratory reporting limits in one well at a concentration of 17 µg/L (MW-8). Methyl tert-butyl ether (MTBE) was detected above laboratory reporting limits in four wells at concentrations ranging from 1.0 µg/L (MW-2) to 280 µg/L (MW-8). Tert-Butyl alcohol (TBA) was detected above laboratory reporting limits in three wells at concentrations ranging from 83 µg/L (MW-8) to 53,000 µg/L (MW-3). Well MW-5 was inaccessible during the initial monitoring event on September 17, 2004. It was sampled on September 24, 2004.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 17, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additive Analytical Data
- Table 3 –Groundwater Flow Direction and Gradient
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – Error Check Reports and EDF/Geowell Submittal Confirmations

Oct 28, 2004 - 4:48pm
X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\6041\Monitoring\Qtr. 3, 2004\Drawings\6041-3Q04-GW.dwg



EXPLANATION

- Groundwater monitoring well
- Vapor extraction well
- Shell monitoring well
- Air sparge well
- Tank pit observation well
- Abandoned well
- 329.6 — Groundwater elevation contour (feet above MSL)
- 0.004 — Approximate goundwater flow direction and gradient (MSL)

Well	
ELEV	Groundwater elevation
GRO	GRO, Benzene & MTBE concentration in micrograms per liter (µg/L)
Benzene	
MTBE	
Q or A	Sampling period

- < — Not detected at or above laboratory reporting limes
- NS — Not sampled
- A(3) — Sampled annually, 3rd quarter
- Q — Sampled quarterly

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

NORTH

0 20 40 80

Scale (ft)

URS	Project No. 38486728 ARCO Service Station #6041 7249 Village Parkway Dublin, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2004 (September 17 & 24, 2004)	FIGURE 1

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	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)	pH
MW-1	02/15/1995	--		336.56	--	--	8.53	--	328.03	820	15	<1	5.2	1.4	--	--	--
	05/24/1995	--		336.56	--	--	9.00	--	327.56	640	12	<1	7.3	<1	--	--	--
	08/25/1995	--		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	--	--	--
	02/26/1996	--		336.56	--	--	7.35	--	329.21	1,100	28	<7	13	7	3,400	--	--
	05/23/1996	--		336.56	--	--	8.73	--	327.83	560	8.5	<1	1.1	<1	3,900	--	--
	08/23/1996	--		336.56	--	--	10.25	--	326.31	860	<1	<1	<4	2	5,600	--	--
	03/21/1997	--		336.56	--	--	9.35	--	327.21	520	12	<0.5	2.7	1.5	6,200	--	--
	08/20/1997	--		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	--	--
	02/12/1998	P		336.56	--	--	7.05	--	329.51	210	<0.5	<0.5	<0.5	<0.5	8,900	1.71	--
	07/31/1998	P		336.56	--	--	10.04	--	326.52	<20,000	<200	<200	<200	<200	18,000	2.43	--
	02/17/1999	--		336.56	--	--	8.50	--	328.06	<20,000	<200	<200	<200	<200	16,000	1.0	--
	08/24/1999	P		336.56	--	--	10.40	--	326.16	190	<0.5	4.4	<0.5	1.1	15,000	--	--
	03/01/2000	P		336.56	--	--	8.85	--	327.71	310	20	0.5	7.6	4.0	80,000	1.57	--
	08/18/2000	P		336.56	--	--	9.35	--	327.21	<10,000	<100	<100	<100	<100	48400/63700	1.50	--
	12/27/2000	P		336.56	--	--	10.81	--	325.75	<10,000	309	<100	<100	289	44,400	0.51	--
	02/09/2001	--	Duplicate	336.56	--	--	--	--	--	3,490	432	9.56	146	235	31,800	--	--
	02/09/2001	P		336.56	--	--	10.65	--	325.91	2,820	368	<25.0	116	176	23,300	0.58	--
	04/17/2001	--	Duplicate	336.56	--	--	--	--	--	2,600	70.1	<20.0	32.7	30.6	45,400	--	--
	04/17/2001	P		336.56	--	--	11.09	--	325.47	2,900	66.0	<10.0	33.2	25.1	46,500	0.63	--
	07/17/2001	P		336.56	--	--	11.07	--	325.59	<10,000	<100	<100	130	520	42,000	0.69	--
	12/21/2001	--	Well abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	02/15/1995	--		334.80	--	--	6.75	--	328.05	730	110	1.7	25	66	--	--	--
	05/24/1995	--		334.80	--	--	6.88	--	327.92	370	110	<1	17	1.9	--	--	--
	08/25/1995	--		334.80	--	--	7.91	--	326.89	150	6	<1	<1	<1	2,700	--	--
	11/28/1995	--		334.80	--	--	9.06	--	325.74	<50	<0.5	<0.5	<0.5	0.8	--	--	--
	02/26/1996	--		334.80	--	--	6.65	--	328.15	350	66	<0.5	11	1.7	<3	--	--
	05/23/1996	--		334.80	--	--	6.90	--	327.90	540	140	<2.5	13	<2.5	4,600	--	--
	08/23/1996	--		334.80	--	--	8.45	--	326.35	180	0.8	2	0.7	2.6	4,000	--	--
	03/21/1997	--		334.80	--	--	7.28	--	327.52	410	90	<1	14	4	3,800	--	--
	08/20/1997	--		334.80	--	--	8.87	--	325.93	<5,000	<50	<50	<50	<50	3,100	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	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)	pH
MW-2	11/21/1997	--		334.80	--	--	9.28	--	325.52	<2,000	<20	<20	<20	<20	2,600	--	--
	02/12/1998	P		334.80	--	--	5.90	--	328.90	310	54	<0.5	6.2	1.1	3,800	3.76	--
	07/31/1998	P		334.80	--	--	8.12	--	326.68	6,100	52	220	110	1,100	7,700	2.96	--
	02/17/1999	P		334.80	--	--	7.18	--	327.62	<5,000	<50	<50	<50	<50	4,200	1.0	--
	08/24/1999	P		334.80	--	--	8.68	--	326.12	200	1.8	16	3.0	32	3,100	--	--
	03/01/2000	P		334.80	--	--	7.02	--	327.78	760	24	12	13	59	6,300	1.92	--
	08/18/2000	P		334.80	--	--	7.75	--	327.05	<500	<5.00	<5.00	<5.00	<5.00	1,610/1,980	2.03	--
	12/27/2000	--		334.80	--	--	8.85	--	325.95	--	--	--	--	--	--	--	--
	02/09/2001	P		334.80	--	--	8.50	--	326.30	<50.0	<0.500	<0.500	<0.500	<0.500	9.11	0.53	--
	04/17/2001	--		334.80	--	--	9.12	--	325.68	--	--	--	--	--	--	--	--
	07/17/2001	--	Duplicate	334.80	--	--	--	--	--	3,500	<10	<10	<10	<10	3,500	--	--
	07/17/2001	P		334.80	--	--	8.99	--	325.81	1,200	<10	<10	<10	<10	4,200	0.69	--
	12/21/2001	NP		--	--	--	8.65	--	--	65	<0.50	1.2	0.61	6.7	11/6.5	0.48	--
	03/06/2002	NP		--	--	--	8.61	--	--	<50	<0.50	<0.50	<0.50	1.8	31	0.35	--
	04/26/2002	NP		--	--	--	8.20	--	--	92	<0.5	<0.50	<0.50	0.64	98/180	0.19	--
	09/23/2002	P	a, d	--	--	--	8.50	--	326.30	250	<1.2	<1.2	<1.2	<1.2	1,500	2.1	7.3
	12/27/2002	P		--	--	--	7.15	--	327.65	440	<2.5	<2.5	<2.5	<2.5	790	1.4	6.9
	03/12/2003	P		--	--	--	7.33	--	--	<50	1.6	<0.50	<0.50	1.2	11	2.7	7.0
	06/28/2003	P		337.29	--	--	7.49	--	329.80	<50	<0.50	<0.50	<0.50	<0.50	1.2	2.0	7.4
	09/30/2003	P		337.29	--	--	8.20	--	329.09	<50	<0.50	<0.50	<0.50	<0.50	5.2	2.2	7.0
	12/05/2003	NP		337.29	10.50	--	7.73	--	329.56	<50	<0.50	<0.50	<0.50	<0.50	2.6	4.3	7.3
	03/10/2004	P		337.29	10.50	--	6.70	--	330.59	<500	<5.0	<5.0	<5.0	<5.0	5.6	2.1	6.4
	06/21/2004	P		337.29	10.50	--	7.71	--	329.58	160	<1.0	<1.0	<1.0	<1.0	1.5	3.1	6.9
	09/17/2004	**P**		**337.29**	**10.50**	**--**	**7.45**	**--**	**329.84**	**<100**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**1.0**	**3.8**	**7.0**
MW-3	02/15/1995	--		335.53	--	--	8.55	--	326.98	100	14	<0.5	6.3	<0.5	--	--	--
	05/24/1995	--		335.53	--	--	8.17	--	327.36	110	8	<0.5	2.7	<0.5	--	--	--
	08/25/1995	--		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	--	--
	02/26/1996	--		335.53	--	--	8.42	--	327.11	16,000	1,600	1,200	300	2,000	9,500	--	--
	05/23/1996	--		335.53	--	--	7.70	--	327.83	6,500	690	<10	120	14	8,600	--	--
	08/23/1996	--		335.53	--	--	9.25	--	326.28	1,700	85	2.1	61	5.3	11,000	--	--
	03/21/1997	--		335.53	--	--	8.72	--	326.81	100	2	<1	1	<1	6,600	--	--
	08/20/1997	--		335.53	--	--	9.73	--	325.80	<5,000	<50	<50	<50	<50	7,700	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	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)	pH
MW-3	11/21/1997	--		335.53	--	--	10.10	--	325.43	<5,000	<50	<50	<50	<50	9,700	--	--
	02/12/1998	P		335.53	--	--	6.68	--	328.85	110	11	<0.5	<0.5	1.9	10,000	1.02	--
	07/31/1998	P		335.53	--	--	7.98	--	327.55	<10,000	<100	<100	<100	<100	13,000	2.59	--
	02/17/1999	P		335.53	--	--	8.40	--	327.13	<20,000	<200	<200	<200	<200	23,000	1.0	--
	08/24/1999	P		335.53	--	--	9.45	--	326.08	200	0.6	5.6	0.6	1.7	22,000	--	--
	03/01/2000	P		335.53	--	--	8.32	--	327.21	320	32	1	6.1	4	58,000	2.42	--
	08/18/2000	P		335.53	--	--	8.35	--	327.18	<10,000	<100	<100	<100	<100	46200/55600	1.59	--
	12/27/2000	P		--	--	--	9.75	--	--	29,700	1,620	1,730	<250	6,230	62,600	1.59	--
	02/09/2001	P		--	--	--	9.61	--	--	29,300	2,590	3,530	440	7,080	85,500	0.51	--
	04/17/2001	P		--	--	--	9.94	--	--	16,400	1,680	<25.0	310	2,290	48,700	0.41	--
	07/17/2001	P		--	--	--	9.93	--	--	21,000	1,500	<100	1,100	690	82,000	0.51	--
	12/21/2001	P		--	--	--	9.40	--	--	<5,000	<50	<50	<50	<50	4,300/3,800	0.40	--
	03/06/2002	P		--	--	--	9.33	--	--	<50	1.2	<0.50	1.1	13	880	0.43	--
	04/26/2002	P		--	--	--	9.19	--	--	260	3.7	<1.0	1.1	1.8	460/940	0.2	--
	09/23/2002	P	b, d	--	--	--	9.30	--	326.23	1,500	41	2.4	9.8	14	980	1.5	7.6
	12/27/2002	P		--	--	--	7.30	--	328.23	1,500	300	100	21	66	1,100	2.2	8.6
	03/12/2003	P		--	--	--	8.06	--	—	<1,000	<10	<10	<10	<10	45	1.6	7.4
	06/28/2003	P		338.18	--	--	8.60	--	329.58	1,500	20	27	12	45	140	1.7	7.6
	09/30/2003	P		338.18	--	--	9.04	--	329.14	<2,500	<25	<25	<25	<25	650	0.9	7.4
	12/05/2003	P		338.18	12.00	--	8.57	--	329.61	<2,500	<25	<25	<25	<25	480	1.3	--
	03/10/2004	P		338.18	12.00	--	7.58	--	330.60	180	7.4	<1.0	<1.0	<1.0	75	2.0	--
	06/21/2004	P	well dewatered	338.18	12.00	--	8.51	--	329.67	<2,500	<25	<25	<25	<25	370	4.6	7.6
	09/17/2004	**P**		**338.18**	**12.00**	--	**8.38**	--	**329.80**	**<5,000**	**<50**	**<50**	**<50**	**<50**	**280**	**1.8**	**7.1**
MW-4	02/15/1995	--		334.22	--	--	7.85	--	326.37	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	05/24/1995	--		334.22	--	--	6.68	--	327.54	--	--	--	--	--	--	--	--
	08/25/1995	--		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	--	--	--	--	--	--	--	--
	02/26/1996	--		334.22	--	--	6.65	--	327.57	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
	05/23/1996	--		334.22	--	--	6.47	--	327.75	--	--	--	--	--	--	--	--
	08/23/1996	--		334.22	--	--	7.66	--	326.56	--	--	--	--	--	--	--	--
	03/21/1997	--		334.22	--	--	6.84	--	327.38	--	--	--	--	--	--	--	--
	08/20/1997	--		334.22	--	--	8.32	--	325.90	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	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)	pH
MW-4	11/21/1997	--		334.22	--	--	8.65	--	325.57	--	--	--	--	--	--	--	--
	02/12/1998	--		334.22	--	--	6.35	--	327.87	--	--	--	--	--	--	--	--
	07/31/1998	--		334.22	--	--	6.84	--	327.38	--	--	--	--	--	--	--	--
	02/17/1999	--		334.22	--	--	7.50	--	326.72	--	--	--	--	--	--	--	--
	08/24/1999	--		334.22	--	--	9.50	--	324.72	--	--	--	--	--	--	--	--
	03/01/2000	--		334.22	--	--	6.93	--	327.29	--	--	--	--	--	--	--	--
	08/18/2000	--		334.22	--	--	7.03	--	327.19	--	--	--	--	--	--	--	--
	12/27/2000	--		334.22	--	--	8.10	--	326.12	--	--	--	--	--	--	--	--
	02/09/2001	--		334.22	--	--	7.97	--	326.25	--	--	--	--	--	--	--	--
	04/17/2001	--		334.22	--	--	8.90	--	325.32	--	--	--	--	--	--	--	--
	07/17/2001	--		334.22	--	--	8.59	--	325.63	--	--	--	--	--	--	--	--
	12/21/2001	NP		334.22	--	--	8.31	--	325.91	<50	<0.50	<0.50	<0.50	<0.50	4.1/2.0	0.68	--
	03/06/2002	P		334.22	--	--	8.27	--	325.95	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.37	--
	04/26/2002	P		334.22	--	--	8.05	--	326.17	<50	<0.50	<0.50	<0.50	<0.50	3.6	0.3	--
	09/23/2002	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	2.6	2.1	6.9
	03/12/2003	P		334.22	--	--	7.67	--	326.55	<50	<0.50	<0.50	<0.50	<0.50	1.6	2.8	6.8
	06/28/2003	P		336.87	--	--	7.60	--	329.27	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	5.6
	09/30/2003	--		336.87	--	--	7.66	--	329.21	<50	<0.50	<0.50	<0.50	<0.50	1.4	2.2	6.9
	12/05/2003	P		336.87	--	--	5.61	--	331.26	<50	<0.50	<0.50	<0.50	<0.50	2.3	3.0	--
	03/10/2004	P		336.87	--	--	6.84	--	330.03	<50	<0.50	<0.50	<0.50	<0.50	2.1	4.0	--
	06/21/2004	P		336.87	--	--	7.35	--	329.52	<50	<0.50	<0.50	<0.50	<0.50	2.0	5.4	6.2
	09/17/2004	**P**		**336.87**	--	--	**7.30**	--	**329.57**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**3.5**	**3.0**	**6.9**
MW-5	02/15/1995	--		335.87	--	--	7.80	--	328.07	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	05/24/1995	--		335.87	--	--	8.10	--	327.77	--	--	--	--	--	--	--	--
	08/25/1995	--		335.87	--	--	9.43	--	326.44	--	--	--	--	--	--	--	--
	11/28/1995	--		335.87	--	--	10.12	--	325.75	--	--	--	--	--	--	--	--
	02/26/1996	--		335.87	--	--	6.73	--	329.14	--	<0.5	<0.5	<0.5	<0.5	<3	--	--
	05/23/1996	--		335.87	--	--	7.87	--	328.00	--	--	--	--	--	--	--	--
	08/23/1996	--		335.87	--	--	9.46	--	326.41	--	--	--	--	--	--	--	--
	03/21/1997	--		335.87	--	--	8.23	--	327.64	--	--	--	--	--	--	--	--
	08/20/1997	--		335.87	--	--	9.92	--	325.95	--	--	--	--	--	--	--	--
	11/21/1997	--		335.87	--	--	10.18	--	325.69	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	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)	pH
MW-5	02/12/1998	--		335.87	--	--	6.45	--	329.42	--	--	--	--	--	--	--	--
	07/31/1998	--		335.87	--	--	8.98	--	326.89	--	--	--	--	--	--	--	--
	02/17/1999	--		335.87	--	--	7.65	--	328.22	--	--	--	--	--	--	--	--
	08/24/1999	--		335.87	--	--	8.10	--	327.77	--	--	--	--	--	--	--	--
	03/01/2000	--		335.87	--	--	7.31	--	328.56	--	--	--	--	--	--	--	--
	08/18/2000	--		335.87	--	--	8.65	--	327.22	--	--	--	--	--	--	--	--
	12/27/2000	--		335.87	--	--	9.80	--	326.07	--	--	--	--	--	--	--	--
	02/09/2001	--		335.87	--	--	9.65	--	326.22	--	--	--	--	--	--	--	--
	04/17/2001	--		335.87	--	--	9.92	--	325.95	--	--	--	--	--	--	--	--
	07/17/2001	--		335.87	--	--	9.95	--	325.92	--	--	--	--	--	--	--	--
	12/21/2001	--	m	335.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/06/2002	--	m	335.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/2002	--	m	335.87	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/23/2002	--		335.87	--	--	7.94	--	327.93	--	--	--	--	--	--	--	--
	12/27/2002	--		335.87	--	--	7.57	--	328.30	<50	<0.50	<0.50	<0.50	0.76	15	0.7	6.9
	03/12/2003	--	g	335.87	--	--	8.32	--	327.55	--	--	--	--	--	--	--	--
	06/28/2003	--	h	338.59	--	--	8.58	--	330.01	--	--	--	--	--	--	--	--
	09/30/2003	--		338.59	--	--	9.28	--	329.31	--	--	--	--	--	--	--	--
	12/05/2003	P		338.59	--	--	9.11	--	329.48	<50	<0.50	<0.50	<0.50	<0.50	22	2.9	--
	03/10/2004	--		338.59	--	--	7.57	--	331.02	--	--	--	--	--	--	--	--
	06/21/2004	--		338.59	--	--	8.68	--	329.91	--	--	--	--	--	--	--	--
	09/17/2004	--	**Well inaccessible**	**338.59**	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/24/2004	**P**		**338.59**	--	--	**8.53**	--	**330.06**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**17**	**1.9**	**6.8**
MW-6	02/15/1995	--		335.84	--	--	7.81	--	328.03	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	05/24/1995	--	n	335.84	--	--	8.35	--	327.49	--	--	--	--	--	--	--	--
	08/25/1995	--		335.84	--	--	9.71	--	326.13	--	--	--	--	--	--	--	--
	11/28/1995	--		335.84	--	--	10.28	--	325.56	--	--	--	--	--	--	--	--
	02/26/1996	--		335.84	--	--	6.60	--	329.24	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
	05/23/1996	--		335.84	--	--	8.05	--	327.79	--	--	--	--	--	--	--	--
	08/23/1996	--		335.84	--	--	9.58	--	326.26	--	--	--	--	--	--	--	--
	03/21/1997	--		335.84	--	--	8.39	--	327.45	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	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)	pH
MW-6	08/20/1997	--		335.84	--	--	9.98	--	325.86	--	--	--	--	--	--	--	--
	11/21/1997	--		335.84	--	--	10.31	--	325.53	--	--	--	--	--	--	--	--
	02/12/1998	--		335.84	--	--	3.15	--	332.69	--	--	--	--	--	--	--	--
	07/31/1998	--		335.84	--	--	9.29	--	326.55	--	--	--	--	--	--	--	--
	02/17/1999	--		335.84	--	--	7.72	--	328.12	--	--	--	--	--	--	--	--
	08/24/1999	--		335.84	--	--	9.65	--	326.19	--	--	--	--	--	--	--	--
	03/01/2000	--		335.84	--	--	7.35	--	328.49	--	--	--	--	--	--	--	--
	08/18/2000	--		335.84	--	--	8.65	--	327.19	--	--	--	--	--	--	--	--
	12/27/2000	--		335.84	--	--	9.83	--	326.01	--	--	--	--	--	--	--	--
	02/09/2001	--		335.84	--	--	9.62	--	326.22	--	--	--	--	--	--	--	--
	04/17/2001	--		335.84	--	--	10.03	--	325.81	--	--	--	--	--	--	--	--
	07/17/2001	--		335.84	--	--	9.95	--	325.89	--	--	--	--	--	--	--	--
	12/21/2001	NP		335.84	--	--	9.47	--	326.37	<50	<0.50	<0.50	<0.50	0.57	<2.5	0.55	--
	03/06/2002	P		335.84	--	--	9.31	--	326.53	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.33	--
	04/26/2002	P		335.84	--	--	9.09	--	326.75	<50	<0.50	<0.50	<0.50	0.7	<2.5	0.31	--
	09/23/2002	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	0.91	0.8	7.0
	03/12/2003	P		335.84	--	--	8.41	--	327.43	<50	<0.50	<0.50	<0.50	<0.50	0.64	1.3	7.2
	06/28/2003	P		338.37	--	--	8.56	--	329.81	<50	<0.50	<0.50	<0.50	<0.50	0.62	1.6	6.8
	09/30/2003	--		338.37	--	--	9.32	--	329.05	<250	<2.5	<2.5	<2.5	<2.5	3.9	0.8	7.0
	12/05/2003	--		338.37	--	--	8.96	--	329.41	--	--	--	--	--	--	--	--
	03/10/2004	--		338.37	--	--	7.65	--	330.72	--	--	--	--	--	--	--	--
	06/21/2004	--		338.37	--	--	8.58	--	329.79	--	--	--	--	--	--	--	--
	09/17/2004	**P**		**338.37**	--	--	**8.47**	--	**329.90**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.8**	**7.0**
MW-7	12/21/2001	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/06/2002	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/26/2002	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/23/2002	--	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/2002	--		--	--	--	7.74	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.7	2.7	7.0
	03/12/2003	--	g, Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/28/2003	--	h, Dry	338.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/30/2003	--	Dry	338.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/05/2003	--	Dry	338.62	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	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)	pH
MW-7	03/10/2004	--		338.62	--	--	7.78	--	330.84	--	--	--	--	--	--	--	--
	06/21/2004	--	Dry	338.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/17/2004	--	**Dry**	**338.62**	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/21/2001	NP		--	--	--	8.70	--	--	<5,000	67	<50	<50	<50	2,400/1,300	0.60	--
	03/06/2002	--	Duplicate	--	--	--	--	--	--	170	37	0.67	0.7	1.9	740	--	--
	03/06/2002	P		--	--	--	8.63	--	--	210	41	0.64	0.79	2.0	940	0.25	--
	04/26/2002	--	Duplicate	--	--	--	--	--	--	480	74	3.5	11	<1.0	640	--	--
	04/26/2002	P		--	--	--	8.15	--	--	680	95	<1.0	14	2.5	490	0.31	--
	09/30/2002	P	c	--	--	--	9.37	--	--	1,100	120	<5.0	57	8.7	1,100	1.3	6.9
	12/27/2002	P		--	--	--	7.55	--	--	350	13	<0.50	2.4	2.2	73	0.8	6.9
	03/12/2003	P		--	--	--	8.25	--	--	<2,500	89	<25	<25	<25	740	1.4	6.9
	06/28/2003	P		338.27	--	--	8.38	--	329.89	7,000	680	<25	110	180	2,900	1.9	4.8
	09/30/2003	P	a	338.27	--	--	9.09	--	329.18	1,500	240	18	45	150	180	1.0	6.8
	12/05/2003	P		338.27	--	--	8.37	--	329.90	590	60	<2.5	15	4.2	150	1.5	7.1
	03/10/2004	P		338.27	--	--	7.41	--	330.86	690	50	<5.0	7.4	6.8	370	2.2	6.3
	06/21/2004	P		338.27	--	--	8.41	--	329.86	1,300	200	<5.0	65	82	400	0.8	6.8
	09/17/2004	**P**		**338.27**	--	--	**8.25**	--	**330.02**	**580**	**17**	**<0.50**	**1.9**	**5.8**	**22**	**1.3**	**6.6**
Shell MW-7	12/27/2000	P		--	--	--	6.45	--	--	<50.0	<0.500	0.696	<0.500	0.795	<2.50	1.33	--
	02/09/2001	P		--	--	--	6.39	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.13	--
	04/17/2001	P		--	--	--	7.22	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.12	--
	07/17/2001	P		--	--	--	6.93	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.05	--
	12/21/2001	P		--	--	--	7.15	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
	03/06/2002	P		--	--	--	7.03	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.95	--
	04/26/2002	P		--	--	--	7.15	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.95	--
	09/27/2002	--	Well destroyed	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VW-2	03/21/1997	--		--	--	--	8.22	--	--	150	8.9	<0.5	<0.5	0.6	270	--	--
	08/20/1997	--		--	--	--	9.16	--	--	--	--	--	--	--	--	--	--
	11/21/1997	--		--	--	--	8.27	--	--	<200	3	<2	<2	<2	180	--	--
	02/12/1998	--		--	--	--	6.65	--	--	200	19	<0.5	0.6	<0.5	2,200	--	--
	07/31/1998	--		--	--	--	7.01	--	--	--	--	--	--	--	--	--	--
	02/17/1999	--		--	--	--	8.47	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	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)	pH
VW-2	08/24/1999	--		--	--	--	8.20	--	--	--	--	--	--	--	--	--	--
	03/01/2000	--		--	--	--	8.72	--	--	--	--	--	--	--	--	--	--
	08/18/2000	NP		--	--	--	8.40	--	--	<250	<2.50	<2.50	<2.50	<2.50	537	1.59	--
	12/27/2000	--	Dry	--	--	--	8.95	--	--	--	--	--	--	--	--	--	--
	02/09/2001	--	Dry	--	--	--	8.87	--	--	--	--	--	--	--	--	--	--
	04/17/2001	--	Dry	--	--	--	9.00	--	--	--	--	--	--	--	--	--	--
	07/17/2001	--	Dry	--	--	--	8.97	--	--	--	--	--	--	--	--	--	--
	12/21/2001	--	Well abandoned	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #6041
7249 Village Parkway, Dublin, CA

ABBREVIATIONS:
TOC = Top of casing
DTW = Depth to Water
GWE = Groundwater Elevation
TPH-g = Total Petroleum Hydrocarbons as gasoline
GRO = Gasoline range organics
DO = Dissolved Oxygen
MTBE = Methyl tert-butyl ether analyzed using EPA Method 8260B (EPA method 8020 prior to 03/01/00)
µg/L = Micrograms per liter
mg/L = Milligrams per liter
-- = Not sampled/analyzed/available/applicable
< = Not detected at or above the specified laboratory reporting limit.
P = Purge Sample
NP = Not Purged

a = Discrete peak at C6-C7 for GRO/TPH-g.
b = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel for GRO/TPH-g.
c = Chromatogram Pattern: C6-C10 for GRO/TPH-g.
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.

NOTES:

pH levels for Well MW-3 on 12/05/03 ranged from 7.2 to 11.25.

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

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).

DO and pH levels are field measurements.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported. Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Table 2

Fuel Additives Analytical Data

ARCO Station #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)	Comments
MW-2	12/27/2002	<20,000	<10,000	790	<250	<250	<250	<250	<250	
	03/12/2003	<100	540	11	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/28/2003	<100	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/2003	<100	290	5.2	<0.50	<0.50	<0.50	<0.50	<0.50	
	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	
	09/17/2004	**<200**	**2,100**	**1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	
MW-3	12/27/2002	<40,000	<20,000	1,100	<500	<500	<500	<500	<500	
	03/12/2003	<2,000	6,100	45	<10	<10	<10	<10	<10	
	06/28/2003	<2,000	29,000	140	<10	<10	<10	<10	<10	
	09/30/2003	<5,000	39,000	650	<25	<25	<25	<25	<25	
	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	
	09/17/2004	**<10,000**	**53,000**	**280**	**<50**	**<50**	**<50**	**<50**	**<50**	
MW-4	12/27/2002	<40	<20	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/12/2003	<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/28/2003	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/2003	<100	<20	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/05/2003	<100	<20	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/10/2004	<100	<20	2.1	<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	
	09/17/2004	**<100**	**<20**	**3.5**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-5	12/27/2002	<40	<20	15	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/05/2003	<100	<20	22	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/24/2004	**<100**	**<20**	**17**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-6	12/27/2002	<40	<20	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/12/2003	<100	<20	0.64	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/28/2003	<100	<20	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/2003	<500	<100	3.9	<2.5	<2.5	<2.5	<2.5	<2.5	
	09/17/2004	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	

Table 2

Fuel Additives Analytical Data

ARCO Station #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)	Comments
MW-7	12/27/2002	<40	<20	4.7	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-8	12/27/2002	<400	260	73	<5.0	<5.0	<5.0	<5.0	<5.0	
	03/12/2003	<5,000	2,200	740	<25	<25	<25	<25	<25	
	06/28/2003	<5,000	12,000	2,900	<25	<25	<25	<25	<25	
	09/30/2003	<2,000	28,000	180	<10	<10	<10	<10	<10	a
	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	
	09/17/2004	**<100**	**83**	**22**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	

Table 2

Fuel Additives Analytical Data

ARCO Station #6041
7249 Village Parkway, Dublin, CA

Abbreviations:
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
< = Not detected at or above the laboratory reporting limit.
ug/L = micrograms per liter

Notes:
All fuel oxygenate compounds analyzed using EPA Method 8260B.
a = The result for TBA was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

Table 3

Groundwater Gradient Data

ARCO Station #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
9/17/2004	**Variable**	**0.001 - 0.007**

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

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 # 040924-BA1 Date 9/24/04 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-5	4					8.53	17.43	TOC	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040924-BA1	Station # 6041
Sampler: Brian Alcom	Date: 9/24/04
Well I.D.: MW5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 17.43	Depth to Water: 8.53
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.

6.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 18.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0831	~~69.6~~ 68.5	6.5	3,261	6.0	clear
0832	68.7	6.6	3,681	12.0	"
	Well Dewatered @ 12 gallons				
0835	67.5	6.8	3,828	12.0	"

Did well dewater? (Yes) No Gallons actually evacuated: 12.0

Sampling Time: 0835 @ departure Sampling Date: 9/24/04

Sample I.D.: MW5 Laboratory: Pace (Sequoia) Other ____

Analyzed for: GRO BTEX MTBE DRO Other:

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

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:

6041
Station #

7249 Village Parkway, Dublin
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

added equip. rinse water _____

any other adjustments _____

TOTAL GALS. RECOVERED 12

loaded onto BTS vehicle # 58

BTS event #	time	date
040924-BA1	0845	9/24/04

signature _____

* *

REC'D AT	time	date
_____	_____	____/____/____

unloaded by
signature _____

WELL GAUGING DATA

Project # 040917-pc3 Date 9/17/04 Client Arco 6041

Site 7249 Village Pkwy., 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	
6	MW-2	4					7.45	9.42	TOC	NPE 10'
5	MW-3	4					8.38	13.88		
2	MW-4	4					7.30	14.58		
4	MW-5	4		well inaccessible - makes to gate						
3	MW-6	4					8.47	12.69		
1	MW-7	4					Dry.	8.19		G.O.
7	MW-8	4					8.25	12.62		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040917-PC3	Station # Arco 6041
Sampler: PC	Date: 9/17/04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 9.42	Depth to Water: 7.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Other: ___

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

1.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or ~~µS~~)	Gals. Removed	Observations
1308	80.8	7.0	3559	1.3	cloudy
1312	80.5	7.0	3600	2.6	↓
1315	80.1	7.0	3616	3.9	

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Time: 1325 Sampling Date: 9/17/04

Sample I.D.: MW-2 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-GRO) (BTEX) MTBE TPH-DRO Other: see COC

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040917-PC2	Station # Arco 6041
Sampler: PC	Date: 9/17/04
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.88	Depth to Water: 8.38
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: ____

80% recharge = 9.48 ft.

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.

3.6	X	3	=	10.8 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1258	80.3	7.1	1557	3.6	cloudy
	well dewatered @ 4 gal				
1335	81.0	7.1	1700	DTW=9.39	grey

Did well dewater? (Yes) No — Gallons actually evacuated: 4

Sampling Time: 1335 — Sampling Date: 9/17/04

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

Analyzed for: (GRO) (BTEX) MTBE DRO — Other: see COC

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	.8	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040917-PC3	Station # Arco 6041
Sampler: PC	Date: 9/17/04
Well I.D.: ~~LAST~~ MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.58	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	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: ___

80% DTW ⇒ 8.76

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1142	76.3	6.8	4731	4.7	cloudy
	well dewatered @			7gal	↓
1215	73.3	6.9	4907	DTW⇒ 8.65	

Did well dewater? (Yes) No Gallons actually evacuated: 7

Sampling Time: 1215 Sampling Date: 9/17/04

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

Analyzed for: (GRO) ~~BTEX~~ MTBE DRO Other: see COC

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040917-PC3	Station # Arco 6041
Sampler: PC	Date: 9/17/04
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: -	Depth to Water: -
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
		well inaccessible-		Key to gate not Available	
			No Sample		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Pace Sequoia Other_____

Analyzed for: GRO BTEX MTBE DRO Other:

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040917-PC3	Station # ARCO 6041
Sampler: PC	Date: 9/17/04
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 12.69	Depth to Water: 8.47
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.

2.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 8.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1235	77.5	7.1	3384	2.7	grey
1239	78.8	7.1	3424	5.4	↓
1243	78.9	7.0	3499	8.1	

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Time: 1250 Sampling Date: 9/17/04

Sample I.D.: MW-6 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: see COC

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040917-RC3	Station # Arco 6041
Sampler: RC	Date: 9/17/04
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 12.62	Depth to Water: 8.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

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
1345	77.8	7.0	1585	2.8	clear
1352	77.2	6.7	1505	5.6	↓
1359	77.7	6.6	1431	8.4	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 8.4

Sampling Time: 1410 Sampling Date: 9/17/04

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: see COC

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.3	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 PLAINE 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 6041
Station #

7249 Village Pkwy, Dublin
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

31.5

added equip. rinse water 12

any other adjustments

TOTAL GALS. RECOVERED 43.5

loaded onto BTS vehicle # 52

BTS event # 040918C3

time 1200

date 9/17/04

signature

* *

REC'D AT BTS

time

date 9/17/04

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 RM have been reviewed and verified by that laboratory.

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6 October, 2004

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

RE: ARCO #6041, Dublin, CA
Work Order: MNI0652

Enclosed are the results of analyses for samples received by the laboratory on 09/20/04 16:40. 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	MNI0652
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MNI0652-01	Water	09/17/04 13:25	09/20/04 16:40
MW-3	MNI0652-02	Water	09/17/04 13:35	09/20/04 16:40
MW-4	MNI0652-03	Water	09/17/04 12:15	09/20/04 16:40
MW-6	MNI0652-04	Water	09/17/04 12:50	09/20/04 16:40
MW-8	MNI0652-05	Water	09/17/04 14:10	09/20/04 16:40
TB-604109172004	MNI0652-06	Water	09/17/04 14:10	09/20/04 16:40

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

These samples were received with intact custody seals.

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MNI0652-01) Water Sampled: 09/17/04 13:25 Received: 09/20/04 16:40									
tert-Amyl methyl ether	ND	1.0	ug/l	2	4I29001	09/29/04	09/30/04	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	**2100**	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	**1.0**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*78-129*		"	"	"	"	
MW-3 (MNI0652-02) Water Sampled: 09/17/04 13:35 Received: 09/20/04 16:40									
tert-Amyl methyl ether	ND	50	ug/l	100	4I30008	09/30/04	09/30/04	EPA 8260B	
Benzene	ND	50	"	"	"	"	"	"	
tert-Butyl alcohol	**53000**	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**280**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*78-129*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MNI0652-03) Water Sampled: 09/17/04 12:15 Received: 09/20/04 16:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4J01024	10/01/04	10/01/04	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	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.5**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*78-129*		"	"	"	"	
MW-6 (MNI0652-04) Water Sampled: 09/17/04 12:50 Received: 09/20/04 16:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4128060	09/28/04	09/29/04	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	"	"	"	"	"	"	
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		*86 %*	*78-129*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MNI0652-05) Water Sampled: 09/17/04 14:10 Received: 09/20/04 16:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4128060	09/28/04	09/29/04	EPA 8260B	
Benzene	**17**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**83**	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	**1.9**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**22**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**5.8**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**580**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*		*78-129*	"	"	"	"	

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4I28060 - EPA 5030B P/T										
Blank (4I28060-BLK1)				Prepared & Analyzed: 09/28/04						
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	*2.04*		"	*2.50*		*82*	*78-129*			
Laboratory Control Sample (4I28060-BS1)				Prepared & Analyzed: 09/28/04						
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0		104	82-140			
Benzene	11.0	0.50	"	10.0		110	69-124			
tert-Butyl alcohol	51.8	20	"	50.0		104	56-131			
Di-isopropyl ether	10.2	0.50	"	10.0		102	76-130			
1,2-Dibromoethane (EDB)	11.1	0.50	"	10.0		111	77-132			
1,2-Dichloroethane	10.8	0.50	"	10.0		108	77-136			
Ethanol	200	100	"	200		100	31-143			
Ethyl tert-butyl ether	11.0	0.50	"	10.0		110	81-121			
Ethylbenzene	11.4	0.50	"	10.0		114	84-132			
Methyl tert-butyl ether	9.74	0.50	"	10.0		97	63-137			
Toluene	10.6	0.50	"	10.0		106	78-129			
Xylenes (total)	34.4	0.50	"	30.0		115	83-137			
Surrogate: 1,2-Dichloroethane-d4	*2.17*		"	*2.50*		*87*	*78-129*			

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4I28060 - EPA 5030B P/T										
Laboratory Control Sample (4I28060-BS2)				Prepared & Analyzed: 09/28/04						
Benzene	6.32	0.50	ug/l	6.40		99	69-124			
Ethylbenzene	9.27	0.50	"	7.52		123	84-132			
Methyl tert-butyl ether	9.27	0.50	"	9.92		93	63-137			
Toluene	35.4	0.50	"	31.9		111	78-129			
Xylenes (total)	45.4	0.50	"	36.6		124	83-137			
Gasoline Range Organics (C4-C12)	464	50	"	440		105	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.08*		"	*2.50*		*83*	*78-129*			
Laboratory Control Sample Dup (4I28060-BSD1)				Prepared: 09/28/04 Analyzed: 09/29/04						
tert-Amyl methyl ether	9.78	0.50	ug/l	10.0		98	82-140	6	20	
Benzene	10.0	0.50	"	10.0		100	69-124	10	20	
tert-Butyl alcohol	56.3	20	"	50.0		113	56-131	8	20	
Di-isopropyl ether	9.56	0.50	"	10.0		96	76-130	6	20	
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0		110	77-132	0.9	20	
1,2-Dichloroethane	10.3	0.50	"	10.0		103	77-136	5	20	
Ethanol	215	100	"	200		108	31-143	7	20	
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	81-121	9	20	
Ethylbenzene	11.0	0.50	"	10.0		110	84-132	4	20	
Methyl tert-butyl ether	8.96	0.50	"	10.0		90	63-137	8	20	
Toluene	10.4	0.50	"	10.0		104	78-129	2	20	
Xylenes (total)	33.3	0.50	"	30.0		111	83-137	3	20	
Surrogate: 1,2-Dichloroethane-d4	*2.02*		"	*2.50*		*81*	*78-129*			
Matrix Spike (4I28060-MS1)	**Source: MNI0652-02RE1**			Prepared: 09/28/04 Analyzed: 09/29/04						
Benzene	30.8	2.5	ug/l	32.0	1.2	92	69-124			
Ethylbenzene	44.7	2.5	"	37.6	ND	119	84-132			
Methyl tert-butyl ether	327	2.5	"	49.6	290	75	63-137			
Toluene	170	2.5	"	160	1.2	106	78-129			
Xylenes (total)	220	2.5	"	183	ND	120	83-137			
Gasoline Range Organics (C4-C12)	3070	250	"	2200	970	95	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.03*		"	*2.50*		*81*	*78-129*			

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4I28060 - EPA 5030B P/T										
Matrix Spike Dup (4I28060-MSD1)	**Source: MNI0652-02RE1**			Prepared: 09/28/04 Analyzed: 09/29/04						
Benzene	31.5	2.5	ug/l	32.0	1.2	95	69-124	2	20	
Ethylbenzene	46.0	2.5	"	37.6	ND	122	84-132	3	20	
Methyl tert-butyl ether	330	2.5	"	49.6	290	81	63-137	0.9	20	
Toluene	174	2.5	"	160	1.2	108	78-129	2	20	
Xylenes (total)	224	2.5	"	183	ND	122	83-137	2	20	
Gasoline Range Organics (C4-C12)	3090	250	"	2200	970	96	70-124	0.6	20	
Surrogate: 1,2-Dichloroethane-d4	*1.99*		"	*2.50*		*80*	*78-129*			
Batch 4I29001 - EPA 5030B P/T										
Blank (4I29001-BLK1)				Prepared & Analyzed: 09/29/04						
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	"							IC
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	*2.14*		"	*2.50*		*86*	*78-129*			
Laboratory Control Sample (4I29001-BS1)				Prepared & Analyzed: 09/29/04						
tert-Amyl methyl ether	9.89	0.50	ug/l	10.0		99	82-140			
Benzene	10.7	0.50	"	10.0		107	69-124			
tert-Butyl alcohol	56.8	20	"	50.0		114	56-131			
Di-isopropyl ether	9.91	0.50	"	10.0		99	76-130			
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0		106	77-132			
1,2-Dichloroethane	10.2	0.50	"	10.0		102	77-136			
Ethanol	401	100	"	200		200	31-143			IC, HL
Ethyl tert-butyl ether	10.5	0.50	"	10.0		105	81-121			
Ethylbenzene	11.3	0.50	"	10.0		113	84-132			
Methyl tert-butyl ether	8.83	0.50	"	10.0		88	63-137			

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4I29001 - EPA 5030B P/T										
Laboratory Control Sample (4I29001-BS1)				Prepared & Analyzed: 09/29/04						
Toluene	10.4	0.50	ug/l	10.0		104	78-129			
Xylenes (total)	33.9	0.50	"	30.0		113	83-137			
Surrogate: 1,2-Dichloroethane-d4	*2.04*		"	*2.50*		*82*	*78-129*			
Laboratory Control Sample (4I29001-BS2)				Prepared & Analyzed: 09/29/04						
Benzene	6.00	0.50	ug/l	6.40		94	69-124			
Ethylbenzene	8.95	0.50	"	7.52		119	84-132			
Methyl tert-butyl ether	8.93	0.50	"	9.92		90	63-137			
Toluene	34.3	0.50	"	31.9		108	78-129			
Xylenes (total)	44.1	0.50	"	36.6		120	83-137			
Gasoline Range Organics (C4-C12)	464	50	"	440		105	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.06*		"	*2.50*		*82*	*78-129*			
Laboratory Control Sample Dup (4I29001-BSD1)				Prepared & Analyzed: 09/29/04						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0		101	82-140	2	20	
Benzene	10.6	0.50	"	10.0		106	69-124	0.9	20	
tert-Butyl alcohol	47.4	20	"	50.0		95	56-131	18	20	
Di-isopropyl ether	10.0	0.50	"	10.0		100	76-130	0.9	20	
1,2-Dibromoethane (EDB)	11.7	0.50	"	10.0		117	77-132	10	20	
1,2-Dichloroethane	10.5	0.50	"	10.0		105	77-136	3	20	
Ethanol	388	100	"	200		194	31-143	3	20	HL
Ethyl tert-butyl ether	10.6	0.50	"	10.0		106	81-121	0.9	20	
Ethylbenzene	11.6	0.50	"	10.0		116	84-132	3	20	
Methyl tert-butyl ether	9.06	0.50	"	10.0		91	63-137	3	20	
Toluene	10.5	0.50	"	10.0		105	78-129	1	20	
Xylenes (total)	35.3	0.50	"	30.0		118	83-137	4	20	
Surrogate: 1,2-Dichloroethane-d4	*1.97*		"	*2.50*		*79*	*78-129*			

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Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNI0652
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4I29001 - EPA 5030B P/T										
Matrix Spike (4I29001-MS1)	**Source: MNI0659-11**			Prepared & Analyzed: 09/29/04						
Benzene	842	10	ug/l	128	720	95	69-124			
Ethylbenzene	531	10	"	150	370	107	84-132			
Methyl tert-butyl ether	289	10	"	198	130	80	63-137			
Toluene	665	10	"	638	47	97	78-129			
Xylenes (total)	1200	10	"	731	420	107	83-137			
Gasoline Range Organics (C4-C12)	17100	1000	"	8800	9500	86	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.03*		"	*2.50*		*81*	*78-129*			
Matrix Spike Dup (4I29001-MSD1)	**Source: MNI0659-11**			Prepared & Analyzed: 09/29/04						
Benzene	880	10	ug/l	128	720	125	69-124	4	20	BB,LM
Ethylbenzene	570	10	"	150	370	133	84-132	7	20	LM
Methyl tert-butyl ether	286	10	"	198	130	79	63-137	1	20	
Toluene	720	10	"	638	47	105	78-129	8	20	
Xylenes (total)	1290	10	"	731	420	119	83-137	7	20	
Gasoline Range Organics (C4-C12)	18700	1000	"	8800	9500	105	70-124	9	20	
Surrogate: 1,2-Dichloroethane-d4	*2.13*		"	*2.50*		*85*	*78-129*			
Batch 4I30008 - EPA 5030B P/T										
Blank (4I30008-BLK1)				Prepared & Analyzed: 09/30/04						
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	*4.16*		"	*5.00*		*83*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNI0652
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4I30008 - EPA 5030B P/T										
Laboratory Control Sample (4I30008-BS1)				Prepared & Analyzed: 09/30/04						
tert-Amyl methyl ether	8.83	0.50	ug/l	10.0		88	82-140			
Benzene	8.71	0.50	"	10.0		87	69-124			
tert-Butyl alcohol	45.8	20	"	50.0		92	56-131			
Di-isopropyl ether	9.36	0.50	"	10.0		94	76-130			
1,2-Dibromoethane (EDB)	9.06	0.50	"	10.0		91	77-132			
1,2-Dichloroethane	9.42	0.50	"	10.0		94	77-136			
Ethanol	127	100	"	200		64	31-143			
Ethyl tert-butyl ether	9.06	0.50	"	10.0		91	81-121			
Ethylbenzene	8.60	0.50	"	10.0		86	84-132			
Methyl tert-butyl ether	9.32	0.50	"	10.0		93	63-137			
Toluene	8.70	0.50	"	10.0		87	78-129			
Xylenes (total)	23.8	0.50	"	30.0		79	83-137			HM
Surrogate: 1,2-Dichloroethane-d4	*4.16*		"	*5.00*		*83*	*78-129*			
Laboratory Control Sample (4I30008-BS2)				Prepared & Analyzed: 09/30/04						
Benzene	5.20	0.50	ug/l	6.40		81	69-124			
Ethylbenzene	7.30	0.50	"	7.52		97	84-132			
Methyl tert-butyl ether	8.61	0.50	"	9.92		87	63-137			
Toluene	31.2	0.50	"	31.9		98	78-129			
Xylenes (total)	33.1	0.50	"	36.6		90	83-137			
Gasoline Range Organics (C4-C12)	457	50	"	440		104	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.24*		"	*5.00*		*85*	*78-129*			
Laboratory Control Sample Dup (4I30008-BSD1)				Prepared & Analyzed: 09/30/04						
tert-Amyl methyl ether	9.14	0.50	ug/l	10.0		91	82-140	3	20	
Benzene	9.22	0.50	"	10.0		92	69-124	6	20	
tert-Butyl alcohol	47.3	20	"	50.0		95	56-131	3	20	
Di-isopropyl ether	9.27	0.50	"	10.0		93	76-130	1	20	
1,2-Dibromoethane (EDB)	9.91	0.50	"	10.0		99	77-132	9	20	
1,2-Dichloroethane	9.93	0.50	"	10.0		99	77-136	5	20	
Ethanol	101	100	"	200		50	31-143	23	20	RB
Ethyl tert-butyl ether	9.24	0.50	"	10.0		92	81-121	2	20	
Ethylbenzene	8.98	0.50	"	10.0		90	84-132	4	20	
Methyl tert-butyl ether	9.19	0.50	"	10.0		92	63-137	1	20	
Toluene	9.27	0.50	"	10.0		93	78-129	6	20	
Xylenes (total)	26.7	0.50	"	30.0		89	83-137	11	20	

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNI0652
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4I30008 - EPA 5030B P/T										
Laboratory Control Sample Dup (4I30008-BSD1)				Prepared & Analyzed: 09/30/04						
Surrogate: 1,2-Dichloroethane-d4	*4.31*		*ug/l*	*5.00*		*86*	*78-129*			
Matrix Spike (4I30008-MS1)	**Source: MNI0672-02**			Prepared & Analyzed: 09/30/04						
Benzene	2870	25	ug/l	320	2700	53	69-124			BB,LN
Ethylbenzene	452	25	"	376	92	96	84-132			
Methyl tert-butyl ether	500	25	"	496	79	85	63-137			
Toluene	1810	25	"	1600	220	99	78-129			
Xylenes (total)	4280	25	"	1830	2500	97	83-137			
Gasoline Range Organics (C4-C12)	37800	2500	"	22000	17000	95	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.44*		*"*	*5.00*		*89*	*78-129*			
Matrix Spike Dup (4I30008-MSD1)	**Source: MNI0672-02**			Prepared & Analyzed: 09/30/04						
Benzene	2740	25	ug/l	320	2700	12	69-124	5	20	BB,LN
Ethylbenzene	503	25	"	376	92	109	84-132	11	20	
Methyl tert-butyl ether	435	25	"	496	79	72	63-137	14	20	
Toluene	2450	25	"	1600	220	139	78-129	30	20	BA, LM
Xylenes (total)	5140	25	"	1830	2500	144	83-137	18	20	LM
Gasoline Range Organics (C4-C12)	50600	2500	"	22000	17000	153	70-124	29	20	BA, LM
Surrogate: 1,2-Dichloroethane-d4	*3.93*		*"*	*5.00*		*79*	*78-129*			
Batch 4J01024 - EPA 5030B P/T										
Blank (4J01024-BLK1)				Prepared & Analyzed: 10/01/04						
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	*4.77*		*"*	*5.00*		*95*	*78-129*			

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4J01024 - EPA 5030B P/T										
Laboratory Control Sample (4J01024-BS1)				Prepared & Analyzed: 10/01/04						
tert-Amyl methyl ether	9.71	0.50	ug/l	10.0		97	82-140			
Benzene	9.84	0.50	"	10.0		98	69-124			
tert-Butyl alcohol	48.6	20	"	50.0		97	56-131			
Di-isopropyl ether	9.74	0.50	"	10.0		97	76-130			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	77-132			
1,2-Dichloroethane	11.1	0.50	"	10.0		111	77-136			
Ethanol	187	100	"	200		94	31-143			
Ethyl tert-butyl ether	9.81	0.50	"	10.0		98	81-121			
Ethylbenzene	9.97	0.50	"	10.0		100	84-132			
Methyl tert-butyl ether	9.95	0.50	"	10.0		100	63-137			
Toluene	10.1	0.50	"	10.0		101	78-129			
Xylenes (total)	29.9	0.50	"	30.0		100	83-137			
Surrogate: 1,2-Dichloroethane-d4	*4.74*		"	*5.00*		*95*	*78-129*			
Laboratory Control Sample (4J01024-BS2)				Prepared & Analyzed: 10/01/04						
Benzene	5.80	0.50	ug/l	6.40		91	69-124			
Ethylbenzene	7.89	0.50	"	7.52		105	84-132			
Methyl tert-butyl ether	9.13	0.50	"	9.92		92	63-137			
Toluene	31.1	0.50	"	31.9		97	78-129			
Xylenes (total)	38.7	0.50	"	36.6		106	83-137			
Gasoline Range Organics (C4-C12)	461	50	"	440		105	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.71*		"	*5.00*		*94*	*78-129*			
Laboratory Control Sample Dup (4J01024-BSD1)				Prepared & Analyzed: 10/01/04						
tert-Amyl methyl ether	10.0	0.50	ug/l	10.0		100	82-140	3	20	
Benzene	10.4	0.50	"	10.0		104	69-124	6	20	
tert-Butyl alcohol	48.6	20	"	50.0		97	56-131	0	20	
Di-isopropyl ether	10.2	0.50	"	10.0		102	76-130	5	20	
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0		105	77-132	3	20	
1,2-Dichloroethane	11.4	0.50	"	10.0		114	77-136	3	20	
Ethanol	213	100	"	200		106	31-143	13	20	
Ethyl tert-butyl ether	10.2	0.50	"	10.0		102	81-121	4	20	
Ethylbenzene	9.93	0.50	"	10.0		99	84-132	0.4	20	
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	63-137	1	20	
Toluene	9.25	0.50	"	10.0		92	78-129	9	20	
Xylenes (total)	29.2	0.50	"	30.0		97	83-137	2	20	

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNI0652
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

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 4J01024 - EPA 5030B P/T										
Laboratory Control Sample Dup (4J01024-BSD1)				Prepared & Analyzed: 10/01/04						
Surrogate: 1,2-Dichloroethane-d4	*4.92*		*ug/l*	*5.00*		*98*	*78-129*			
Laboratory Control Sample Dup (4J01024-BSD2)				Prepared & Analyzed: 10/01/04						
Benzene	5.82	0.50	ug/l	6.40		91	69-124	0.3	20	
Ethylbenzene	7.76	0.50	"	7.52		103	84-132	2	20	
Methyl tert-butyl ether	9.22	0.50	"	9.92		93	63-137	1	20	
Toluene	31.3	0.50	"	31.9		98	78-129	0.6	20	
Xylenes (total)	38.4	0.50	"	36.6		105	83-137	0.8	20	
Gasoline Range Organics (C4-C12)	456	50	"	440		104	70-124	1	20	
Surrogate: 1,2-Dichloroethane-d4	*4.78*		*"*	*5.00*		*96*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNI0652
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/06/04 13:01

Notes and Definitions

RB	RPD exceeded method control limit; % recoveries within limits.
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
IC	Calib. verif. is within method limits but outside contract limits
HM	Analyte recovery below established limit
HL	Analyte recovery above established limit
BB,LN	Sample > 4x spike concentration.
BB,LM	Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).
BA	Relative percent difference out of control
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Chain of Custody Record

Project Name 6041 GWM
BP BU/GEM CO Portfolio Retail MNI0052
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 9/17/04 Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time: 1055 Temp: 80°F
Off-site Time: 1410 Temp: 90°F
Sky Conditions: clear
Meteorological Events: none
Wind Speed: Direction:

Send To:	
Lab Name:	SEQUOIA
Lab Address:	885 Jarvis Dr.
	Morgan Hill, CA 95037
Lab PM	Lisa Race
Tele/Fax:	408-776-9600 / 408-782-6308
Report Type & QC Level:	1 Send EDF Reports
BP/GEM Account No.:	

BP/GEM Facility No.:	ARCO 6041
BP/GEM Facility Address:	7249 Village PKWY, DUBLIN, CA
Site ID No.	ARCO 6041
Site Lat/Long:	
California Global ID #:	
BP/GEM PM Contact:	PAUL SUPPLE
Address:	P.O. Box 6549
	Moraga, CA 94570
Tele/Fax:	925-299-8891/925-299-8872

Consultant/Contractor:	URS
Address:	1333 Broadway, Suite 800
	Oakland, CA 94612
e-mail EDD:	donna_cosper@URSCorp.com
Consultant/Contractor Project No.:	J5-00006041.01 00427
Consultant Tele/Fax:	510-893-3600/510-874-3268
Consultant/Contractor PM:	Scott Robinson
Invoice to:	Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Work Release No:	INTRIM -50691

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No. MNI0052	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives:	Preservatives:	Requested Analysis: GRO / BTEX (8015/8021 or 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)	Requested Analysis:	Requested Analysis:	Requested Analysis:	Sample Point Lat/Long and Comments
1	MW-2	1325		A			-1	3				1			X				X	X	X				
2	MW-3	1335		A			-2	3				1			A				X	X	A				
3	MW-4	1215		A			-3	3				1			A				X	X	X				
4	MW-6	1250		A			-4	3				1			A				X	X	X				
5	MW-8	1410		A			-5	3				X			X				X	X	X				
6	TB-6041090172004			A			-6	2																	6H hold
7																									
8																									
9																									
10																									

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: R. Cornish						
Sampler's Company: Blaine Tech		9/20/04	1245		9/20/04	1245
Shipment Date:		9/20/04	1640	JD	9/20/04	1640
Shipment Method:						
Shipment Tracking No:						

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

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

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP 6041
REC. BY (PRINT) JD
WORKORDER: MN100652

DATE REC'D AT LAB: 9/20/04
TIME REC'D AT LAB: 1440
DATE LOGGED IN: 9/21/04

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	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent / Intact / Broken*				VOA					
2. Chain-of-Custody Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper Preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Temp Rec.'at Lab: 3.8 Is temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.)									

JD 9/21/04

Exception (if any): METALS / DFF ON ICE

*Problem COC

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

Sequoia
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11 October, 2004

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

RE: ARCO #6041, Dublin, CA
Work Order: MNI0810

Enclosed are the results of analyses for samples received by the laboratory on 09/27/04 16:08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNI0810
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/11/04 19:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	MNI0810-01	Water	09/24/04 08:35	09/27/04 16:08

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

These samples were received with no custody seals.

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Sequoia Analytical

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

URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNI0810
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/11/04 19:03

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MNI0810-01) Water Sampled: 09/24/04 08:35 Received: 09/27/04 16:08									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4J06004	10/06/04	10/06/04	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	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**17**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*78-129*	"	"	"	"	

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/11/04 19:03

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 4J06004 - EPA 5030B P/T										
Blank (4J06004-BLK1)				Prepared & Analyzed: 10/06/04						
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	*5.08*		"	*5.00*		*102*	*78-129*			
Laboratory Control Sample (4J06004-BS1)				Prepared & Analyzed: 10/06/04						
tert-Amyl methyl ether	10.0	0.50	ug/l	10.0		100	82-140			
Benzene	10.5	0.50	"	10.0		105	69-124			
tert-Butyl alcohol	49.7	20	"	50.0		99	56-131			
Di-isopropyl ether	10.1	0.50	"	10.0		101	76-130			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	77-132			
1,2-Dichloroethane	10.9	0.50	"	10.0		109	77-136			
Ethanol	203	100	"	200		102	31-143			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	81-121			
Ethylbenzene	10.1	0.50	"	10.0		101	84-132			
Methyl tert-butyl ether	10.3	0.50	"	10.0		103	63-137			
Toluene	9.68	0.50	"	10.0		97	78-129			
Xylenes (total)	29.3	0.50	"	30.0		98	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.09*		"	*5.00*		*102*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNI0810
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/11/04 19:03

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 4J06004 - EPA 5030B P/T										
Laboratory Control Sample (4J06004-BS2)				Prepared & Analyzed: 10/06/04						
Benzene	5.67	0.50	ug/l	6.40		89	69-124			
Ethylbenzene	8.19	0.50	"	7.52		109	84-132			
Methyl tert-butyl ether	9.11	0.50	"	9.92		92	63-137			
Toluene	34.6	0.50	"	31.9		108	78-129			
Xylenes (total)	40.0	0.50	"	36.6		109	83-137			
Gasoline Range Organics (C4-C12)	485	50	"	440		110	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.08*		"	*5.00*		*102*	*78-129*			
Laboratory Control Sample Dup (4J06004-BSD1)				Prepared & Analyzed: 10/06/04						
tert-Amyl methyl ether	10.3	0.50	ug/l	10.0		103	82-140	3	20	
Benzene	10.9	0.50	"	10.0		109	69-124	4	20	
tert-Butyl alcohol	50.8	20	"	50.0		102	56-131	2	20	
Di-isopropyl ether	10.4	0.50	"	10.0		104	76-130	3	20	
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0		106	77-132	4	20	
1,2-Dichloroethane	11.4	0.50	"	10.0		114	77-136	4	20	
Ethanol	188	100	"	200		94	31-143	8	20	
Ethyl tert-butyl ether	10.6	0.50	"	10.0		106	81-121	5	20	
Ethylbenzene	10.3	0.50	"	10.0		103	84-132	2	20	
Methyl tert-butyl ether	10.4	0.50	"	10.0		104	63-137	1	20	
Toluene	10.0	0.50	"	10.0		100	78-129	3	20	
Xylenes (total)	30.2	0.50	"	30.0		101	83-137	3	20	
Surrogate: 1,2-Dichloroethane-d4	*5.17*		"	*5.00*		*103*	*78-129*			
Matrix Spike (4J06004-MS1)	**Source: MNI0900-22**			Prepared & Analyzed: 10/06/04						
Benzene	670	25	ug/l	320	390	88	69-124			
Ethylbenzene	2480	25	"	376	2100	101	84-132			
Methyl tert-butyl ether	478	25	"	496	16	93	63-137			
Toluene	1600	25	"	1600	12	99	78-129			
Xylenes (total)	2020	25	"	1830	76	106	83-137			
Gasoline Range Organics (C4-C12)	34100	2500	"	22000	12000	100	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.44*		"	*5.00*		*109*	*78-129*			

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/11/04 19:03

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 4J06004 - EPA 5030B P/T										
Matrix Spike Dup (4J06004-MSD1)	**Source: MNI0900-22**			Prepared & Analyzed: 10/06/04						
Benzene	630	25	ug/l	320	390	75	69-124	6	20	
Ethylbenzene	2340	25	"	376	2100	64	84-132	6	20	BB,LN
Methyl tert-butyl ether	470	25	"	496	16	92	63-137	2	20	
Toluene	1470	25	"	1600	12	91	78-129	8	20	
Xylenes (total)	1860	25	"	1830	76	97	83-137	8	20	
Gasoline Range Organics (C4-C12)	30400	2500	"	22000	12000	84	70-124	11	20	
Surrogate: 1,2-Dichloroethane-d4	*5.03*		*"*	*5.00*		*101*	*78-129*			

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1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/11/04 19:03

Notes and Definitions

BB,LN	Sample > 4x spike concentration.
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

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Chain of Custody Record

On-site Time:	0815 Temp: 80
Off-site Time:	0845 Temp: 80
Sky Conditions:	clear
Meteorological Events:	
Wind Speed:	— Direction:

Project Name 6041 GWM
BP BU/GEM CO Portfolio Retail MN10810
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 9/24/04 Requested Due Date (mm/dd/yy) 14 day TAT

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. MN10810	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-5	0835		X			-1	3				X	X				X	X	X	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Sampler's Name: Brian Alcorn	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech Services		9/24/04	1153		9/27/04	11:53
Shipment Date:		9/24/04	1508	JD	9/27/04	1908
Shipment Method:						
Shipment Tracking No:						

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

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

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ARCO 6041
REC. BY (PRINT): JD
WORKORDER: MN10810

DATE REC'D AT LAB: 9/21/04
TIME REC'D AT LAB: 1508
DATE LOGGED IN: 9/28/04

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	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
			MW-5	VOA (3)	HCl	—	W	9/24/04	
1. Custody Seal(s) (Present / Absent) (Intact / Broken*)									
2. Chain-of-Custody (Present / Absent*)									
3. Traffic Reports or Packing List: Present / (Absent)									
4. Airbill: Airbill / Sticker (Present / Absent)									
5. Airbill #:									
6. Sample Labels: (Present) / Absent									
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper Preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No*)									
14. Temp Rec. at Lab: 3.2 Is temp 4 +/-2°C? (Yes) / No**									

*Acceptance range for samples requiring thermal pres.)

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

9/28/04

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

ATTACHMENT C

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

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SUCCESSFUL GEO_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	10/13/2004 5:22:33 PM

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Submittal Title:	**Third Quarter 2004 QMR. Site #6041**
Submittal Date/Time:	**10/13/2004 5:23:10 PM**
Confirmation Number:	**1119816422**

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SUCCESSFUL GEO_WELL CHECK - NO ERRORS

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DATE CHECKED:	10/29/2004 11:04:12 AM

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UPLOADING A GEO_WELL FILE

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Submittal Title:	**3Q04 GEOWELL SUBMITTAL SITE 6041 part2**
Submittal Date/Time:	**10/29/2004 11:05:31 AM**
Confirmation Number:	**7021102726**

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ORGANIZATION NAME:	URS Corporation-Oakland Office
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DATE CHECKED:	10/13/2004 5:16:49 PM
GLOBAL ID:	T0600100109
FILE UPLOADED:	ARCO#6041-EDF-MNI0652.zip

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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)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# 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	N
- MATRIX SPIKE DUPLICATE	N

- 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%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	N

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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GLOBAL ID:	T0600100109
FILE UPLOADED:	ARCO#6041-EDF-MNI0810.zip

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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)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	1
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
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%	Y
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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Confirmation Number: 3132207036
Date/Time of Submittal: 10/13/2004 5:22:22 PM
Facility Global ID: T0600100109
Facility Name: ARCO # 06041
Submittal Title: Third Quarter 2004 QMR. Site #6041
Submittal Type: GW Monitoring Report

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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
3132207036	Third Quarter 2004 QMR. Site #6041	Q3 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	10/13/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# 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	N
- MATRIX SPIKE DUPLICATE	N
- 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%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	N

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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Electronic Submittal Information

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Confirmation Number: 5058098018
Date/Time of Submittal: 10/28/2004 8:28:39 PM
Facility Global ID: T0600100109
Facility Name: ARCO # 06041
Submittal Title: 3Q04 GW Monitoring Report Site 6041part2
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
5058098018	3Q04 GW Monitoring Report Site 6041part2	Q3 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	10/28/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	1
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
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%	Y
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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