fo 452

Atlantic Richfield Company
(a BP affiliated company)

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

October 19, 2005

Re: Third Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #6041
7249 Village Parkway
Dublin, California
ACEH Case # RO00000452

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

Submitted by:

Paul Supple
Environmental Business Manager

URS

October 19, 2005

Ms. Donna Drogos
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Third Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #6041
7249 Village Parkway
Dublin, California
ACEH Case #RO0000452

Dear Ms. Drogos:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Third Quarter 2005 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

Scott Robinson, P.G.
Project Manager

Enclosure: Third Quarter 2005 Groundwater Monitoring Report

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

REPORT

THIRD QUARTER 2005 GROUNDWATER MONITORING REPORT

ARCO SERVICE STATION #6041
7249 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

Prepared for
RM

October 19, 2005

URS
URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

Date: October 19, 2005

Quarter: 3Q 05

THIRD QUARTER 2005 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
Primary Agency:			Alameda County Environmental Health (ACEH)
ACEH Case No.:			RO0000452

WORK PERFORMED THIS QUARTER (Third – 2005):

1. Prepared and submitted the Second Quarter 2005 Groundwater Monitoring Report.
2. Performed the third quarter 2005 groundwater monitoring event on September 16, 2005.
3. Well repairs performed on wells MW-2 to MW-7 on August 18, 2005 (Attachment D).

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2005):

1. Prepared and submitted this Third Quarter 2005 Groundwater Monitoring Report.
2. Perform the fourth quarter 2005 groundwater monitoring event.
3. Re-survey well MW-5 due to raised casing.

Current Phase of Project:	Groundwater monitoring/sampling
Frequency of Groundwater Sampling:	**Through 2Q 2005** Quarterly: Wells MW-2, MW-3, MW-4 and MW-8 Annually (3rd Qtr.): MW-5 and MW-6 **Beginning 3Q 2005** Quarterly: Wells MW-2 and MW-3 Semiannually (1st Qtr and 3rd Qtr): MW-8 Annually (3rd Qtr.): MW-4, MW-5 and MW-6
Frequency of Groundwater Monitoring:	Quarterly: Wells MW-2 to MW-8
Is Free Product (FP) Present On-Site:	No
Bulk Soil Removed to Date:	3,208 cubic yards
Current Remediation Techniques:	None
Approximate Depth to Groundwater:	7.28 (MW-4) to 9.57 (MW-5)
Groundwater Gradient (direction):	Northeast
Groundwater Gradient (magnitude):	0.005 feet per foot

DISCUSSION:

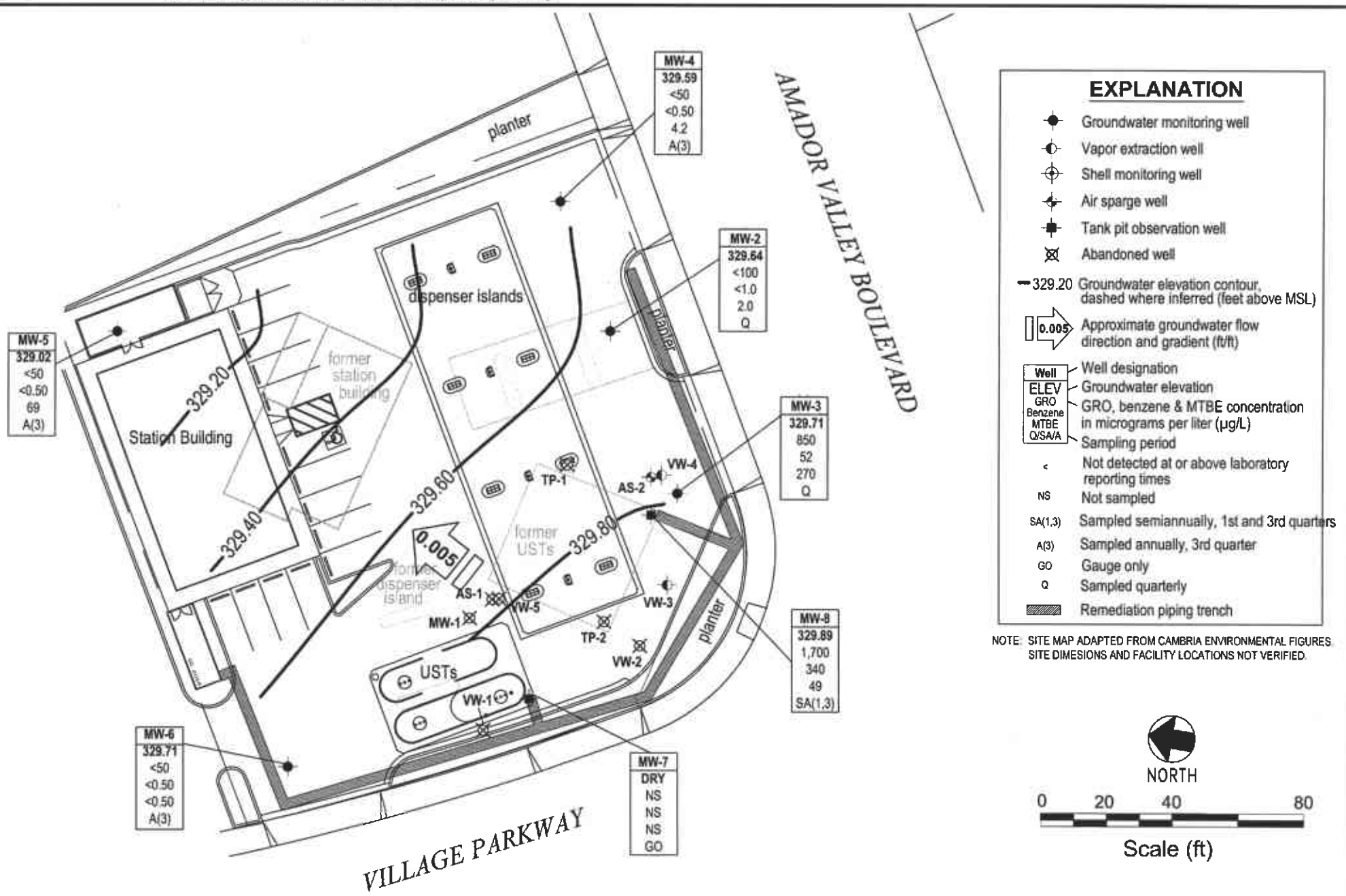
During purging prior to sampling, well MW-2 dewatered after 5 gallons of water were removed. Gasoline range organics were detected at or above the laboratory reporting limit in two of the six wells sampled this quarter at concentrations of 850 micrograms per liter (µg/L) (MW-3) and 1,700 µg/L (MW-8). Benzene was detected at or above the laboratory reporting limit in two wells at concentrations of 52 µg/L (MW-3) and 340 µg/L (MW-8). Toluene, ethylbenzene and xylenes were detected at or above their respective laboratory reporting limits in one well (MW-8) at concentrations of 5.0 µg/L, 100 µg/L and 95 µg/L, respectively. Methyl tert-butyl ether was detected at or above the laboratory reporting limit in five wells at concentrations ranging from 2.0 µg/L (MW-2) to 270 µg/L (MW-3). Tert-butyl alcohol was detected at or above the laboratory reporting limit in five wells at concentrations ranging from 42 µg/L (MW-6) to 20,000 µg/L (MW-3). No other fuel components were detected at or above their respective laboratory detection limits in any of the wells sampled this quarter.

As URS previously recommended, a new sampling schedule was implemented this quarter. Wells MW-4 will be sampled annually (third quarter) and MW-8 will be sampled semiannually (first quarter and third quarter) unless URS receives instruction from the regulator to maintain the current sampling schedule.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 16, 2005
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Table 3 –Groundwater Gradient Data
- 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
- Attachment D – Well Repair Data

Oct 14, 2005 - 8:27pm
X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\6041\Monitoring\2005 Qtr. 3\Drawings\6041-3Q05-GW.dwg



EXPLANATION

- Groundwater monitoring well
- Vapor extraction well
- Shell monitoring well
- Air sparge well
- Tank pit observation well
- Abandoned well
- 329.20 Groundwater elevation contour, dashed where inferred (feet above MSL)
- 0.005 Approximate groundwater flow direction and gradient (ft/ft)
- Well designation
- ELEV Groundwater elevation
- GRO, Benzene, MTBE concentration in micrograms per liter (µg/L)
- Q/SA/A Sampling period
- < Not detected at or above laboratory reporting times
- NS Not sampled
- SA(1,3) Sampled semiannually, 1st and 3rd quarters
- A(3) Sampled annually, 3rd quarter
- GO Gauge only
- Q Sampled quarterly
- Remediation piping trench

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. 38487188

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP
Third Quarter 2005 (September 16, 2005)

FIGURE
1

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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	14.00	17.50	8.53	328.03	820	15	<1	5.2	1.4	--	--	--
	05/24/1995	--		336.56	14.00	17.50	9.00	327.56	640	12	<1	7.3	<1	--	--	--
	08/25/1995	--		336.56	14.00	17.50	10.30	326.26	780	2	<1	2	2	2,500	--	--
	11/28/1995	--		336.56	14.00	17.50	11.01	325.55	570	2.2	<0.5	1.4	0.9	--	--	--
	02/26/1996	--		336.56	14.00	17.50	7.35	329.21	1,100	28	<7	13	7	3,400	--	--
	05/23/1996	--		336.56	14.00	17.50	8.73	327.83	560	8.5	<1	1.1	<1	3,900	--	--
	08/23/1996	--		336.56	14.00	17.50	10.25	326.31	860	<1	<1	<4	2	5,600	--	--
	03/21/1997	--		336.56	14.00	17.50	9.35	327.21	520	12	<0.5	2.7	1.5	6,200	--	--
	08/20/1997	--		336.56	14.00	17.50	10.75	325.81	<5,000	<50	<50	<50	<50	7,400	--	--
	11/21/1997	--		336.56	14.00	17.50	11.10	325.46	<5,000	<50	<50	<50	<50	8,500	--	--
	02/12/1998	P		336.56	14.00	17.50	7.05	329.51	210	<0.5	<0.5	<0.5	<0.5	8,900	1.71	--
	07/31/1998	P		336.56	14.00	17.50	10.04	326.52	<20,000	<200	<200	<200	<200	18,000	2.43	--
	02/17/1999	--		336.56	14.00	17.50	8.50	328.06	<20,000	<200	<200	<200	<200	16,000	1.0	--
	08/24/1999	P		336.56	14.00	17.50	10.40	326.16	190	<0.5	4.4	<0.5	1.1	15,000	--	--
	03/01/2000	P		336.56	14.00	17.50	8.85	327.71	310	20	0.5	7.6	4.0	80,000	1.57	--
	08/18/2000	P		336.56	14.00	17.50	9.35	327.21	<10,000	<100	<100	<100	<100	48,400/ 63,700	1.50	--
	12/27/2000	P		336.56	14.00	17.50	10.81	325.75	<10,000	309	<100	<100	289	44,400	0.51	--
	02/09/2001	--	i	336.56	14.00	17.50	--	--	3,490	432	9.56	146	235	31,800	--	--
	02/09/2001	P		336.56	14.00	17.50	10.65	325.91	2,820	368	<25.0	116	176	23,300	0.58	--
	04/17/2001	--	i	336.56	14.00	17.50	--	--	2,600	70.1	<20.0	32.7	30.6	45,400	--	--
	04/17/2001	P		336.56	14.00	17.50	11.09	325.47	2,900	66.0	<10.0	33.2	25.1	46,500	0.63	--
	07/17/2001	P		336.56	14.00	17.50	11.07	325.59	<10,000	<100	<100	130	520	42,000	0.69	--
	12/21/2001	--	k	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	02/15/1995	--		334.80	10.50	14.00	6.75	328.05	730	110	1.7	25	66	--	--	--
	05/24/1995	--		334.80	10.50	14.00	6.88	327.92	370	110	<1	17	1.9	--	--	--
	08/25/1995	--		334.80	10.50	14.00	7.91	326.89	150	6	<1	<1	<1	2,700	--	--
	11/28/1995	--		334.80	10.50	14.00	9.06	325.74	<50	<0.5	<0.5	<0.5	0.8	--	--	--
	02/26/1996	--		334.80	10.50	14.00	6.65	328.15	350	66	<0.5	11	1.7	<3	--	--
	05/23/1996	--		334.80	10.50	14.00	6.90	327.90	540	140	<2.5	13	<2.5	4,600	--	--
	08/23/1996	--		334.80	10.50	14.00	8.45	326.35	180	0.8	2	0.7	2.6	4,000	--	--
	03/21/1997	--		334.80	10.50	14.00	7.28	327.52	410	90	<1	14	4	3,800	--	--
	08/20/1997	--		334.80	10.50	14.00	8.87	325.93	<5,000	<50	<50	<50	<50	3,100	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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	10.50	14.00	9.28	325.52	<2,000	<20	<20	<20	<20	2,600	--	--
	02/12/1998	P		334.80	10.50	14.00	5.90	328.90	310	54	<0.5	6.2	1.1	3,800	3.76	--
	07/31/1998	P		334.80	10.50	14.00	8.12	326.68	6,100	52	220	110	1,100	7,700	2.96	--
	02/17/1999	P		334.80	10.50	14.00	7.18	327.62	<5,000	<50	<50	<50	<50	4,200	1.0	--
	08/24/1999	P		334.80	10.50	14.00	8.68	326.12	200	1.8	16	3.0	32	3,100	--	--
	03/01/2000	P		334.80	10.50	14.00	7.02	327.78	760	24	12	13	59	6,300	1.92	--
	08/18/2000	P		334.80	10.50	14.00	7.75	327.05	<500	<5.00	<5.00	<5.00	<5.00	1,610/1,980	2.03	--
	12/27/2000	--		334.80	10.50	14.00	8.85	325.95	--	--	--	--	--	--	--	--
	02/09/2001	P		334.80	10.50	14.00	8.50	326.30	<50.0	<0.500	<0.500	<0.500	<0.500	9.11	0.53	--
	04/17/2001	--		334.80	10.50	14.00	9.12	325.68	--	--	--	--	--	--	--	--
	07/17/2001	--	i	334.80	10.50	14.00	--	--	3,500	<10	<10	<10	<10	3,500	--	--
	07/17/2001	P		334.80	10.50	14.00	8.99	325.81	1,200	<10	<10	<10	<10	4,200	0.69	--
	12/21/2001	NP		334.80	10.50	14.00	8.65	326.15	65	<0.50	1.2	0.61	6.7	11/6.5	0.48	--
	03/06/2002	NP		334.80	10.50	14.00	8.61	326.19	<50	<0.50	<0.50	<0.50	1.8	31	0.35	--
	04/26/2002	NP		334.80	10.50	14.00	8.20	326.60	92	<0.5	<0.50	<0.50	0.64	98/180	0.19	--
	09/23/2002	P	a, d	334.80	10.50	14.00	8.50	326.30	250	<1.2	<1.2	<1.2	<1.2	1,500	2.1	7.3
	12/27/2002	P	a, d	334.80	10.50	14.00	7.15	327.65	440	<2.5	<2.5	<2.5	<2.5	790	1.4	6.9
	03/12/2003	P	f, g	334.80	10.50	14.00	7.33	---	<50	1.6	<0.50	<0.50	1.2	11	2.7	7.0
	06/28/2003	P	h	337.29	10.50	14.00	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	10.50	14.00	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	14.00	7.73	329.56	<50	<0.50	<0.50	<0.50	<0.50	2.6	4.30	7.3
	03/10/2004	P		337.29	10.50	14.00	6.70	330.59	<500	<5.0	<5.0	<5.0	<5.0	5.6	2.10	6.4
	06/21/2004	P		337.29	10.50	14.00	7.71	329.58	160	<1.0	<1.0	<1.0	<1.0	1.5	3.10	6.9
	09/17/2004	P		337.29	10.50	14.00	7.45	329.84	<100	<1.0	<1.0	<1.0	<1.0	1.0	3.80	7.0
	12/13/2004	P		337.29	10.50	14.00	7.04	330.25	<50	<0.50	<0.50	<0.50	<0.50	0.54	3.20	6.8
	03/03/2005	P		337.29	10.50	14.00	6.18	331.11	<500	<5.0	<5.0	<5.0	<5.0	<5.0	3.0	--
	06/23/2005	P	n	337.29	10.50	14.00	6.51	330.78	<50	<0.50	<0.50	<0.50	<0.50	4.3	2.60	7.0
	09/16/2005	**P**		**337.29**	**10.50**	**14.00**	**7.65**	**329.64**	**<100**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**2.0**	**1.20**	**6.8**
MW-3	02/15/1995	--		335.53	12.00	15.00	8.55	326.98	100	14	<0.5	6.3	<0.5	--	--	--
	05/24/1995	--		335.53	12.00	15.00	8.17	327.36	110	8	<0.5	2.7	<0.5	--	--	--
	08/25/1995	--		335.53	12.00	15.00	9.27	326.26	210	3.6	<0.5	2.9	0.6	20,000	--	--
	11/28/1995	--		335.53	12.00	15.00	9.91	325.62	81	1.5	<0.5	1.4	<0.5	15,000	--	--
	02/26/1996	--		335.53	12.00	15.00	8.42	327.11	16,000	1,600	1,200	300	2,000	9,500	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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	05/23/1996	--		335.53	12.00	15.00	7.70	327.83	6,500	690	<10	120	14	8,600	--	--
	08/23/1996	--		335.53	12.00	15.00	9.25	326.28	1,700	85	2.1	61	5.3	11,000	--	--
	03/21/1997	--		335.53	12.00	15.00	8.72	326.81	100	2	<1	1	<1	6,600	--	--
	08/20/1997	--		335.53	12.00	15.00	9.73	325.80	<5,000	<50	<50	<50	<50	7,700	--	--
	11/21/1997	--		335.53	12.00	15.00	10.10	325.43	<5,000	<50	<50	<50	<50	9,700	--	--
	02/12/1998	P		335.53	12.00	15.00	6.68	328.85	110	11	<0.5	<0.5	1.9	10,000	1.02	--
	07/31/1998	P		335.53	12.00	15.00	7.98	327.55	<10,000	<100	<100	<100	<100	13,000	2.59	--
	02/17/1999	P		335.53	12.00	15.00	8.40	327.13	<20,000	<200	<200	<200	<200	23,000	1.0	--
	08/24/1999	P		335.53	12.00	15.00	9.45	326.08	200	0.6	5.6	0.6	1.7	22,000	--	--
	03/01/2000	P		335.53	12.00	15.00	8.32	327.21	320	32	1	6.1	4	58,000	2.42	--
	08/18/2000	P		335.53	12.00	15.00	8.35	327.18	<10,000	<100	<100	<100	<100	46200/55600	1.59	--
	12/27/2000	P		335.53	12.00	15.00	9.75	326.78	29,700	1,620	1,730	<250	6,230	62,600	1.59	--
	02/09/2001	P		335.53	12.00	15.00	9.61	325.92	29,300	2,590	3,530	440	7,080	85,500	0.51	--
	04/17/2001	P		335.53	12.00	15.00	9.94	325.59	16,400	1,680	<25.0	310	2,290	48,700	0.41	--
	07/17/2001	P		335.53	12.00	15.00	9.93	325.60	21,000	1,500	<100	1,100	690	82,000	0.51	--
	12/21/2001	P		335.53	12.00	15.00	9.40	326.13	<5,000	<50	<50	<50	<50	4,300/3,800	0.40	--
	03/06/2002	P		335.53	12.00	15.00	9.33	326.20	<50	1.2	<0.50	1.1	13	880	0.43	--
	04/26/2002	P		335.53	12.00	15.00	9.19	326.34	260	3.7	<1.0	1.1	1.8	460/940	0.2	--
	09/23/2002	P	b, d	335.53	12.00	15.00	9.30	326.23	1,500	41	2.4	9.8	14	980	1.5	7.6
	12/27/2002	P	c, d	335.53	12.00	15.00	7.30	328.23	1,500	300	100	21	66	1,100	2.2	8.6
	03/12/2003	P	f, g	335.53	12.00	15.00	8.06	327.47	<1,000	<10	<10	<10	<10	45	1.6	7.4
	06/28/2003	P	h	338.18	12.00	15.00	8.60	329.58	1,500	20	27	12	45	140	1.7	7.6
	09/30/2003	P		338.18	12.00	15.00	9.04	315.00	<2,500	<25	<25	<25	<25	650	0.9	7.4
	12/05/2003	P		338.18	12.00	15.00	8.57	329.61	<2,500	<25	<25	<25	<25	480	1.30	--
	03/10/2004	P		338.18	12.00	15.00	7.58	330.60	180	7.4	<1.0	<1.0	<1.0	75	2.0	--
	06/21/2004	P	o	338.18	12.00	15.00	8.51	329.67	<2,500	<25	<25	<25	<25	370	4.60	7.6
	09/17/2004	P		338.18	12.00	15.00	8.38	329.80	<5,000	<50	<50	<50	<50	280	1.80	7.1
	12/13/2004	P	o	338.18	12.00	15.00	8.04	330.14	520	89	4.6	3.9	5.8	460	1.90	7.6
	03/03/2005	P		338.18	12.00	15.00	6.89	331.29	300	23	<2.5	<2.5	<2.5	130	1.80	7.6
	06/23/2005	P	n	338.18	12.00	15.00	8.27	329.91	260	6.1	1.1	0.65	2.8	40	1.40	8.0
	09/16/2005	**P**		**338.18**	**12.00**	**15.00**	**8.47**	**329.71**	**850**	**52**	**<5.0**	**<5.0**	**<5.0**	**270**	**1.40**	**7.2**
MW-4	02/15/1995	--		334.22	8.50	14.50	7.85	326.37	<50	<0.5	<0.5	<0.5	<0.5	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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	05/24/1995	--		334.22	8.50	14.50	6.68	327.54	--	--	--	--	--	--	--	--
	08/25/1995	--		334.22	8.50	14.50	6.93	327.29	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
	11/28/1995	--		334.22	8.50	14.50	8.21	326.01	--	--	--	--	--	--	--	--
	02/26/1996	--		334.22	8.50	14.50	6.65	327.57	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
	05/23/1996	--		334.22	8.50	14.50	6.47	327.75	--	--	--	--	--	--	--	--
	08/23/1996	--		334.22	8.50	14.50	7.66	326.56	--	--	--	--	--	--	--	--
	03/21/1997	--		334.22	8.50	14.50	6.84	327.38	--	--	--	--	--	--	--	--
	08/20/1997	--		334.22	8.50	14.50	8.32	325.90	--	--	--	--	--	--	--	--
	11/21/1997	--		334.22	8.50	14.50	8.65	325.57	--	--	--	--	--	--	--	--
	02/12/1998	--		334.22	8.50	14.50	6.35	327.87	--	--	--	--	--	--	--	--
	07/31/1998	--		334.22	8.50	14.50	6.84	327.38	--	--	--	--	--	--	--	--
	02/17/1999	--		334.22	8.50	14.50	7.50	326.72	--	--	--	--	--	--	--	--
	08/24/1999	--		334.22	8.50	14.50	9.50	324.72	--	--	--	--	--	--	--	--
	03/01/2000	--		334.22	8.50	14.50	6.93	327.29	--	--	--	--	--	--	--	--
	08/18/2000	--		334.22	8.50	14.50	7.03	327.19	--	--	--	--	--	--	--	--
	12/27/2000	--		334.22	8.50	14.50	8.10	326.12	--	--	--	--	--	--	--	--
	02/09/2001	--		334.22	8.50	14.50	7.97	326.25	--	--	--	--	--	--	--	--
	04/17/2001	--		334.22	8.50	14.50	8.90	325.32	--	--	--	--	--	--	--	--
	07/17/2001	--		334.22	8.50	14.50	8.59	325.63	--	--	--	--	--	--	--	--
	12/21/2001	NP		334.22	8.50	14.50	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	8.50	14.50	8.27	325.95	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.37	--
	04/26/2002	P		334.22	8.50	14.50	8.05	326.17	<50	<0.50	<0.50	<0.50	<0.50	3.6	0.3	--
	09/23/2002	P		334.22	8.50	14.50	7.94	326.28	<50	<0.50	<0.50	<0.50	<0.50	2.9	4.1	7.3
	12/27/2002	--		334.22	8.50	14.50	7.56	326.66	<50	<0.50	<0.50	<0.50	<0.50	2.6	2.1	6.9
	03/12/2003	P	g	334.22	8.50	14.50	7.67	326.55	<50	<0.50	<0.50	<0.50	<0.50	1.6	2.8	6.8
	06/28/2003	P	h	336.87	8.50	14.50	7.60	329.27	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	5.6
	09/30/2003	--		336.87	8.50	14.50	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	8.50	14.50	5.61	331.26	<50	<0.50	<0.50	<0.50	<0.50	2.3	3.0	--
	03/10/2004	P		336.87	8.50	14.50	6.84	330.03	<50	<0.50	<0.50	<0.50	<0.50	2.1	4.0	--
	06/21/2004	P		336.87	8.50	14.50	7.35	329.52	<50	<0.50	<0.50	<0.50	<0.50	2.0	5.40	6.2
	09/17/2004	P		336.87	8.50	14.50	7.30	329.57	<50	<0.50	<0.50	<0.50	<0.50	3.5	3.0	6.9
	12/13/2004	P		336.87	8.50	14.50	7.08	329.79	<50	<0.50	<0.50	<0.50	<0.50	5.4	4.0	6.8
	03/03/2005	P		336.87	8.50	14.50	8.11	328.76	<50	<0.50	<0.50	<0.50	<0.50	6.3	2.90	6.9
	06/23/2005	P	p	336.87	8.50	14.50	6.70	330.17	--	--	--	--	--	--	2.20	6.7

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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	**09/16/2005**	**P**		**336.87**	**8.50**	**14.50**	**7.28**	**329.59**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**4.2**	**1.20**	**6.9**
MW-5	02/15/1995	--		335.87	11.00	17.50	7.80	328.07	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	05/24/1995	--		335.87	11.00	17.50	8.10	327.77	--	--	--	--	--	--	--	--
	08/25/1995	--		335.87	11.00	17.50	9.43	326.44	--	--	--	--	--	--	--	--
	11/28/1995	--		335.87	11.00	17.50	10.12	325.75	--	--	--	--	--	--	--	--
	02/26/1996	--		335.87	11.00	17.50	6.73	329.14	--	<0.5	<0.5	<0.5	<0.5	<3	--	--
	05/23/1996	--		335.87	11.00	17.50	7.87	328.00	--	--	--	--	--	--	--	--
	08/23/1996	--		335.87	11.00	17.50	9.46	326.41	--	--	--	--	--	--	--	--
	03/21/1997	--		335.87	11.00	17.50	8.23	327.64	--	--	--	--	--	--	--	--
	08/20/1997	--		335.87	11.00	17.50	9.92	325.95	--	--	--	--	--	--	--	--
	11/21/1997	--		335.87	11.00	17.50	10.18	325.69	--	--	--	--	--	--	--	--
	02/12/1998	--		335.87	11.00	17.50	6.45	329.42	--	--	--	--	--	--	--	--
	07/31/1998	--		335.87	11.00	17.50	8.98	326.89	--	--	--	--	--	--	--	--
	02/17/1999	--		335.87	11.00	17.50	7.65	328.22	--	--	--	--	--	--	--	--
	08/24/1999	--		335.87	11.00	17.50	8.10	327.77	--	--	--	--	--	--	--	--
	03/01/2000	--		335.87	11.00	17.50	7.31	328.56	--	--	--	--	--	--	--	--
	08/18/2000	--		335.87	11.00	17.50	8.65	327.22	--	--	--	--	--	--	--	--
	12/27/2000	--		335.87	11.00	17.50	9.80	326.07	--	--	--	--	--	--	--	--
	02/09/2001	--		335.87	11.00	17.50	9.65	326.22	--	--	--	--	--	--	--	--
	04/17/2001	--		335.87	11.00	17.50	9.92	325.95	--	--	--	--	--	--	--	--
	07/17/2001	--		335.87	11.00	17.50	9.95	325.92	--	--	--	--	--	--	--	--
	12/21/2001	--	m	335.87	11.00	17.50	--	--	--	--	--	--	--	--	--	--
	03/06/2002	--	m	335.87	11.00	17.50	--	--	--	--	--	--	--	--	--	--
	04/26/2002	--	m	335.87	11.00	17.50	--	--	--	--	--	--	--	--	--	--
	09/23/2002	--		335.87	11.00	17.50	7.94	327.93	--	--	--	--	--	--	--	--
	12/27/2002	--		335.87	11.00	17.50	7.57	328.30	<50	<0.50	<0.50	<0.50	0.76	15	0.7	6.9
	03/12/2003	--	g	335.87	11.00	17.50	8.32	327.55	--	--	--	--	--	--	--	--
	06/28/2003	--	h	338.59	11.00	17.50	8.58	330.01	--	--	--	--	--	--	--	--
	09/30/2003	--		338.59	11.00	17.50	9.28	329.31	--	--	--	--	--	--	--	--
	12/05/2003	P		338.59	11.00	17.50	9.11	329.48	<50	<0.50	<0.50	<0.50	<0.50	22	2.90	--
	03/10/2004	--		338.59	11.00	17.50	7.57	331.02	--	--	--	--	--	--	--	--
	06/21/2004	--		338.59	11.00	17.50	8.68	329.91	--	--	--	--	--	--	--	--
	09/17/2004	--		338.59	11.00	17.50	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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	09/24/2004	P		338.59	11.00	17.50	8.53	330.06	<50	<0.50	<0.50	<0.50	<0.50	17	1.90	6.8
	12/13/2004	--		338.59	11.00	17.50	8.28	330.31	--	--	--	--	--	--	--	--
	03/03/2005	--		338.59	11.00	17.50	6.78	331.81	--	--	--	--	--	--	--	--
	06/23/2005	--		338.59	11.00	17.50	8.27	330.32	--	--	--	--	--	--	--	--
	09/16/2005	**P**		**338.59**	**11.00**	**17.50**	**9.57**	**329.02**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**69**	**1.30**	**7.0**
MW-6	02/15/1995	--		335.84	8.50	12.70	7.81	328.03	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	05/24/1995	--		335.84	8.50	12.70	8.35	327.49	--	--	--	--	--	--	--	--
	08/25/1995	--		335.84	8.50	12.70	9.71	326.13	--	--	--	--	--	--	--	--
	11/28/1995	--		335.84	8.50	12.70	10.28	325.56	--	--	--	--	--	--	--	--
	02/26/1996	--		335.84	8.50	12.70	6.60	329.24	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
	05/23/1996	--		335.84	8.50	12.70	8.05	327.79	--	--	--	--	--	--	--	--
	08/23/1996	--		335.84	8.50	12.70	9.58	326.26	--	--	--	--	--	--	--	--
	03/21/1997	--		335.84	8.50	12.70	8.39	327.45	--	--	--	--	--	--	--	--
	08/20/1997	--		335.84	8.50	12.70	9.98	325.86	--	--	--	--	--	--	--	--
	11/21/1997	--		335.84	8.50	12.70	10.31	325.53	--	--	--	--	--	--	--	--
	02/12/1998	--		335.84	8.50	12.70	3.15	332.69	--	--	--	--	--	--	--	--
	07/31/1998	--		335.84	8.50	12.70	9.29	326.55	--	--	--	--	--	--	--	--
	02/17/1999	--		335.84	8.50	12.70	7.72	328.12	--	--	--	--	--	--	--	--
	08/24/1999	--		335.84	8.50	12.70	9.65	326.19	--	--	--	--	--	--	--	--
	03/01/2000	--		335.84	8.50	12.70	7.35	328.49	--	--	--	--	--	--	--	--
	08/18/2000	--		335.84	8.50	12.70	8.65	327.19	--	--	--	--	--	--	--	--
	12/27/2000	--		335.84	8.50	12.70	9.83	326.01	--	--	--	--	--	--	--	--
	02/09/2001	--		335.84	8.50	12.70	9.62	326.22	--	--	--	--	--	--	--	--
	04/17/2001	--		335.84	8.50	12.70	10.03	325.81	--	--	--	--	--	--	--	--
	07/17/2001	--		335.84	8.50	12.70	9.95	325.89	--	--	--	--	--	--	--	--
	12/21/2001	NP		335.84	8.50	12.70	9.47	326.37	<50	<0.50	<0.50	<0.50	0.57	<2.5	0.55	--
	03/06/2002	P		335.84	8.50	12.70	9.31	326.53	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.33	--
	04/26/2002	P		335.84	8.50	12.70	9.09	326.75	<50	<0.50	<0.50	<0.50	0.7	<2.5	0.31	--
	09/23/2002	P		335.84	8.50	12.70	9.14	326.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	7.4
	12/27/2002	--		335.84	8.50	12.70	7.26	328.58	<50	<0.50	<0.50	<0.50	0.63	0.91	0.8	7.0
	03/12/2003	P	g	335.84	8.50	12.70	8.41	327.43	<50	<0.50	<0.50	<0.50	<0.50	0.64	1.3	7.2
	06/28/2003	P	h	338.37	8.50	12.70	8.56	329.81	<50	<0.50	<0.50	<0.50	<0.50	0.62	1.6	6.8
	09/30/2003	--		338.37	8.50	12.70	9.32	329.05	<250	<2.5	<2.5	<2.5	<2.5	3.9	0.8	7.0

Table 1

Groundwater Elevation and Analytical Data

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7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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	12/05/2003	--		338.37	8.50	12.70	8.96	329.41	--	--	--	--	--	--	--	--
	03/10/2004	--		338.37	8.50	12.70	7.65	330.72	--	--	--	--	--	--	--	--
	06/21/2004	--		338.37	8.50	12.70	8.58	329.79	--	--	--	--	--	--	--	--
	09/17/2004	P		338.37	8.50	12.70	8.47	329.90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.80	7.0
	12/13/2004	--		338.37	8.50	12.70	8.04	330.33	--	--	--	--	--	--	--	--
	03/03/2005	--		338.37	8.50	12.70	6.60	331.77	--	--	--	--	--	--	--	--
	06/23/2005	--		338.37	8.50	12.70	8.14	330.23	--	--	--	--	--	--	--	--
	09/16/2005	**P**		**338.37**	**8.50**	**12.70**	**8.66**	**329.71**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.80**	**7.1**
MW-7	12/21/2001	--	j	--	--	8.00	--	--	--	--	--	--	--	--	--	--
	03/06/2002	--	j	--	--	8.00	--	--	--	--	--	--	--	--	--	--
	04/26/2002	--	j	--	--	8.00	--	--	--	--	--	--	--	--	--	--
	09/23/2002	--	j	--	--	8.00	--	--	--	--	--	--	--	--	--	--
	12/27/2002	--	e	--	--	8.00	7.74	--	<50	<0.50	<0.50	<0.50	<0.50	4.7	2.7	7.0
	03/12/2003	--	g, j	--	--	8.00	--	--	--	--	--	--	--	--	--	--
	06/28/2003	--	h, j	338.62	--	8.00	--	--	--	--	--	--	--	--	--	--
	09/30/2003	--	j	338.62	--	8.00	--	--	--	--	--	--	--	--	--	--
	12/05/2003	--	j	338.62	--	8.00	--	--	--	--	--	--	--	--	--	--
	03/10/2004	--		338.62	--	8.00	7.78	330.84	--	--	--	--	--	--	--	--
	06/21/2004	--	j	338.62	--	8.00	--	--	--	--	--	--	--	--	--	--
	09/17/2004	--	j	338.62	--	8.00	--	--	--	--	--	--	--	--	--	--
	12/13/2004	--	j	338.62	--	8.00	--	--	--	--	--	--	--	--	--	--
	03/03/2005	--		338.62	--	8.00	6.81	331.81	--	--	--	--	--	--	--	--
	06/23/2005	--	j	338.62	--	8.00	--	--	--	--	--	--	--	--	--	--
	09/16/2005	--	j	**338.62**	--	**8.00**	--	--	--	--	--	--	--	--	--	--
MW-8	12/21/2001	NP		--	--	12.60	8.70	--	<5,000	67	<50	<50	<50	2,400/1,300	0.60	--
	03/06/2002	--	i	--	--	12.60	--	--	170	37	0.67	0.7	1.9	740	--	--
	03/06/2002	P		--	--	12.60	8.63	--	210	41	0.64	0.79	2.0	940	0.25	--
	04/26/2002	--	l	--	--	12.60	--	--	480	74	3.5	11	<1.0	640	--	--
	04/26/2002	P		--	--	12.60	8.15	--	680	95	<1.0	14	2.5	490	0.31	--
	09/30/2002	P	c	--	--	12.60	9.37	--	1,100	120	<5.0	57	8.7	1,100	1.3	6.9
	12/27/2002	P	b	--	--	12.60	7.55	--	350	13	<0.50	2.4	2.2	73	0.8	6.9
	03/12/2003	P	g	--	--	12.60	8.25	--	<2,500	89	<25	<25	<25	740	1.4	6.9
	06/28/2003	P	h	338.27	--	12.60	8.38	329.89	7,000	680	<25	110	180	2,900	1.9	4.8

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041

7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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-8	09/30/2003	P	a	338.27	--	12.60	9.09	329.18	1,500	240	18	45	150	180	1.0	6.8
	12/05/2003	P		338.27	--	12.60	8.37	329.90	590	60	<2.5	15	4.2	150	1.50	7.1
	03/10/2004	P		338.27	--	12.60	7.41	330.86	690	50	<5.0	7.4	6.8	370	2.20	6.3
	06/21/2004	P		338.27	--	12.60	8.41	329.86	1,300	200	<5.0	65	82	400	0.80	6.8
	09/17/2004	P		338.27	--	12.60	8.25	330.02	580	17	<0.50	1.9	5.8	22	1.30	6.6
	12/13/2004	P		338.27	--	12.60	7.78	330.49	380	24	<0.50	18	4.9	6.6	1.0	6.7
	03/03/2005	P		338.27	--	12.60	6.48	331.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.90	6.8
	06/23/2005	P	n	338.27	--	12.60	7.91	330.36	160	10	<0.50	3.8	5.4	26	1.80	6.8
	09/16/2005	**P**		**338.27**	**--**	**12.60**	**8.38**	**329.89**	**1,700**	**340**	**5.0**	**100**	**95**	**49**	**2.50**	**6.8**
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	--	k	--	--	--	--	--	--	--	--	--	--	--	--	--
Shell MW-6	12/27/2000	--	i	--	--	--	--	--	79.3	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
	12/27/2000	P		--	--	--	9.13	--	74.7	<0.500	<0.500	<0.500	<0.500	<2.50	1.3	--
	02/09/2001	P		--	--	--	9.05	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.29	--
	04/17/2001	P		--	--	--	10.17	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.95	--
	07/17/2001	P	i	--	--	--	9.50	--	<50	<0.50	<0.50	<0.50	<0.50	4.2	1.03	--
	12/21/2001	P		--	--	--	9.98	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.97	--
	03/06/2002	P		--	--	--	9.90	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.97	--
	04/26/2002	P		--	--	--	9.47	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.97	--
	09/27/2002	--	k	--	--	--	--	--	--	--	--	--	--	--	--	--
VW-2	03/21/1997	--		--	4.00	9.50	8.22	--	150	8.9	<0.5	<0.5	0.6	270	--	--
	08/20/1997	--		--	4.00	9.50	9.16	--	--	--	--	--	--	--	--	--
	11/21/1997	--		--	4.00	9.50	8.27	--	<200	3	<2	<2	<2	180	--	--
	02/12/1998	--		--	4.00	9.50	6.65	--	200	19	<0.5	0.6	<0.5	2,200	--	--
	07/31/1998	--		--	4.00	9.50	7.01	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway, Dublin, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	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	02/17/1999	--		--	4.00	9.50	8.47	--	--	--	--	--	--	--	--	--
	08/24/1999	--		--	4.00	9.50	8.20	--	--	--	--	--	--	--	--	--
	03/01/2000	--		--	4.00	9.50	8.72	--	--	--	--	--	--	--	--	--
	08/18/2000	NP		--	4.00	9.50	8.40	--	<250	<2.50	<2.50	<2.50	<2.50	537	1.59	--
	12/27/2000	--	j	--	4.00	9.50	8.95	--	--	--	--	--	--	--	--	--
	02/09/2001	--	j	--	4.00	9.50	8.87	--	--	--	--	--	--	--	--	--
	04/17/2001	--	j	--	4.00	9.50	9.00	--	--	--	--	--	--	--	--	--
	07/17/2001	--	j	--	4.00	9.50	8.97	--	--	--	--	--	--	--	--	--
	12/21/2001	--	k	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway, Dublin, CA

SYMBOLS AND ABBREVIATIONS:
-- = Not sampled/analyzed/available/applicable
< = Not detected at or above the specified laboratory reporting limit.
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
GRO = Gasoline range organics
GWE = Groundwater elevation in ft MSL
mg/L = Milligrams per liter
ft MSL = feet above mean sea level
MTBE = Methyl tert-butyl ether analyzed using EPA Method 8260B (EPA method 8020 prior to 03/01/00)
NP = Well was not purged prior to sampling
P = Well was purged prior to sampling
TOC = Top of casing in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter

FOOTNOTES:
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.
i = Blind duplicate sample
j = Well dry
k = Well abandoned
m = Well inaccessible
n = Opening calibration verification standard for MTBE outside acceptance criteria.
o = Well dewatered
p = VOAs broken prior to analysis of sample.

NOTES:
For previous historical groundwater elevation and analytical data please refer to fourth quarter 1995 groundwater monitoring program results, ARCO Service Station 6041, Dublin, California, (EMCON, February 26, 1996).

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

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.

The values for DO and pH levels are obtained through field measurements.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was 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 Service 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)	Footnotes/ 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	
	12/13/2004	<100	860	0.54	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/03/2005	<1,000	5,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	06/23/2005	<100	1,900	4.3	<0.50	<0.50	<0.50	<0.50	<0.50	b
	09/16/2005	**<200**	**3,600**	**2.0**	**<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	
	12/13/2004	<500	5,300	460	<2.5	<2.5	<2.5	<2.5	<2.5	
	03/03/2005	<500	940	130	<2.5	<2.5	<2.5	<2.5	<2.5	
	06/23/2005	<100	9,400	40	<0.50	<0.50	<0.50	<0.50	<0.50	b
	09/16/2005	**<1,000**	**20,000**	**270**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	
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	
	12/13/2004	<100	85	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/03/2005	<100	<20	6.3	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data

ARCO Service 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)	Footnotes/ Comments
MW-4	**09/16/2005**	**<100**	**79**	**4.2**	**<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	
	09/16/2005	**<100**	**<20**	**69**	**<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	
	06/26/2003	<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	
	09/16/2005	**<100**	**42**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
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	
	12/13/2004	<100	540	6.6	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	06/23/2005	<100	440	26	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2005	**<500**	**5,000**	**49**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #6041
7249 Village Parkway, Dublin, CA

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

FOOTNOTES:
a = The result for TBA was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
b = The initial analysis of TBA was within the hold time but required dilution.

NOTES:
All fuel oxygenate compounds analyzed using EPA Method 8260B.

Table 3

Groundwater Gradient Data

ARCO Service 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
9/17/2004	Variable	0.001-0.007
12/13/2004	East	0.002
3/3/2005	East	0.02
6/23/2005	Variable	0.02 - 0.005
9/16/2005	**Northeast**	**0.005**

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 # 050916-MD2 Date 9/16/05 Client 6041

Site 7749 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	
MW-2	4					7.65	9.43		
MW-3	4					8.47	13.85		
MW-4	4					7.28	14.50		
MW-5	4					9.57	18.16		
MW-6	4					8.66	12.70		
MW-7	4					Dry	18 MD 9/17/05		US
MW-8	4					8.38	12.60		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050916-MW-2	Station # 6041
Sampler: MW	Date: 9/16/05
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 9.93	Depth to Water: 7.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: _____

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

1.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1233	78.0	7.1	2227	1.2	Clear
1236	78.1	6.9	2745	2.4	↓
1237	77.2	6.8	3540	3.6	↓
1239	76.4	6.8	3687	4.8	

Did well dewater? Yes (No) Gallons actually evacuated: 4.8

Sampling Time: 1245 Sampling Date: 9/16/05

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

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See Scope

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.2	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050916-MD2	Station # 6041
Sampler: MD	Date: 9/16/05
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.85	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	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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1221	75.7	7.2	1221	3.5	clear
		well dewatered @ 5			
1255	74.6	7.2	1786	—	clear

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Time: 1255 Sampling Date: 9/16/05

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

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See Sampler

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.4 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050916-MR2	Station # 6041
Sampler: MG	Date: 9/16/05
Well I.D.: MW4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14,50	Depth to Water: 7,28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

4,7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 14,1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1047	70.1	6.9	4757	4.7	cloudy
1048	71.8	6.9	4793	9.4	↓
1051	70.9	6.9	4839	14.1	

Did well dewater? Yes (No) Gallons actually evacuated: 14,1

Sampling Time: 1100 Sampling Date: 9/16/05

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

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See Sample

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1,2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050916-MD2	Station # 6091
Sampler: dlg	Date: 9/16/05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 18.16	Depth to Water: 9.57
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.

5.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 16.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1200	69.6	7.0	3376	5.6	Cloudy
1201	68.9	6.9	3510	11.2	clear
1202	68.2	7.0	3829	16.8	clear

Did well dewater? Yes (No) Gallons actually evacuated: 16.8

Sampling Time: 1210 1210 Sampling Date: 9/16/05

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

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See Sope

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 450916-MD2	Station # 6041
Sampler: MW	Date: 9/16/05
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 12.70	Depth to Water: 8.66
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.

2.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 7.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1107	72.8	7.0	3342	2.6	grey, turbid
1113	75.0	7.0	3739	5.2	
	stopped purge for fuel delivery				
1143	74.1	7.1	3980	7.8	grey, turbid

Did well dewater? Yes (No) Gallons actually evacuated: 7.8

Sampling Time: 1150 Sampling Date: 9/16/05

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

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See Script

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050916-MD2	Station # 6041
Sampler: MP	Date: 9/16/05
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 12.60	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	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.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1027	74.7	6.7	1195	2.7	clear, odor
1029	76.0	6.7	1258	5.4	" "
1032	75.9	6.8	1198	8.1	" "

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

Sampling Time: 1040 Sampling Date: 9/16/05

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

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See Sheet

D.O. (if req'd): Pre-purge: ___ mg/L ~~Post-purge~~: 2.5 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 Pkwy, Dublin

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

added equip. rinse water_____

any other adjustments_____

TOTAL GALS. RECOVERED 59

loaded onto BTS vehicle # 59

BTS event #	time	date
050916-MD2	1310	9/16/05

signature

* *

REC'D AT	time	date
		/ /

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.

Sequoia
Analytical

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4 October, 2005

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

RE: ARCO #6041, Dublin, CA
Work Order: MOI0626

Enclosed are the results of analyses for samples received by the laboratory on 09/19/05 11:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jamshid Kekobad
Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MOI0626-01	Water	09/16/05 12:45	09/19/05 11:40
MW-3	MOI0626-02	Water	09/16/05 12:55	09/19/05 11:40
MW-4	MOI0626-03	Water	09/16/05 11:00	09/19/05 11:40
MW-5	MOI0626-04	Water	09/16/05 12:10	09/19/05 11:40
MW-6	MOI0626-05	Water	09/16/05 11:50	09/19/05 11:40
MW-8	MOI0626-06	Water	09/16/05 10:40	09/19/05 11:40
TB-6041-09162005	MOI0626-07	Water	09/16/05 00:00	09/19/05 11:40

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.

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MOI0626-01) Water Sampled: 09/16/05 12:45 Received: 09/19/05 11:40									
tert-Amyl methyl ether	ND	1.0	ug/l	2	5I29010	09/29/05	09/29/05	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	**3600**	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	**2.0**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-135*		"	"	"	"	
MW-3 (MOI0626-02) Water Sampled: 09/16/05 12:55 Received: 09/19/05 11:40									
tert-Amyl methyl ether	ND	5.0	ug/l	10	5I29010	09/29/05	09/29/05	EPA 8260B	
Benzene	**52**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**270**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**850**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-135*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MOI0626-02RE1) Water Sampled: 09/16/05 12:55 Received: 09/19/05 11:40									
tert-Butyl alcohol	**20000**	400	**ug/l**	20	5I30007	09/30/05	09/30/05	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-135*		"	"	"	"	
MW-4 (MOI0626-03) Water Sampled: 09/16/05 11:00 Received: 09/19/05 11:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5I29010	09/29/05	09/29/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**79**	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	**4.2**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-135*		"	"	"	"	
MW-5 (MOI0626-04) Water Sampled: 09/16/05 12:10 Received: 09/19/05 11:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5I29011	09/29/05	09/29/05	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	**69**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MOI0626-05) Water Sampled: 09/16/05 11:50 Received: 09/19/05 11:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5I30007	09/30/05	09/30/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**42**	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		*104 %*	*60-135*		"	"	"	"	
MW-8 (MOI0626-06) Water Sampled: 09/16/05 10:40 Received: 09/19/05 11:40									
tert-Amyl methyl ether	ND	2.5	ug/l	5	5I29011	09/29/05	09/29/05	EPA 8260B	
Benzene	**340**	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	**5000**	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	**100**	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**49**	2.5	"	"	"	"	"	"	
Toluene	**5.0**	2.5	"	"	"	"	"	"	
Xylenes (total)	**95**	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**1700**	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

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 5I29010 - EPA 5030B P/T / EPA 8260B										
Blank (5I29010-BLK1)				Prepared & Analyzed: 09/29/05						
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	*2.55*		"	*2.50*		*102*	*60-135*			
Laboratory Control Sample (5I29010-BS1)				Prepared & Analyzed: 09/29/05						
tert-Amyl methyl ether	15.6	0.50	ug/l	15.0		104	80-115			
Benzene	5.89	0.50	"	5.16		114	65-115			
tert-Butyl alcohol	135	20	"	143		94	75-150			
Di-isopropyl ether	15.9	0.50	"	15.1		105	75-125			
1,2-Dibromoethane (EDB)	15.3	0.50	"	14.8		103	85-120			
1,2-Dichloroethane	16.7	0.50	"	14.7		114	85-130			
Ethanol	139	100	"	141		99	70-135			
Ethyl tert-butyl ether	15.8	0.50	"	15.0		105	75-130			
Ethylbenzene	7.63	0.50	"	7.54		101	75-135			
Methyl tert-butyl ether	7.26	0.50	"	7.02		103	65-125			
Toluene	37.6	0.50	"	37.2		101	85-120			
Xylenes (total)	45.9	0.50	"	41.4		111	85-125			
Gasoline Range Organics (C4-C12)	521	50	"	440		118	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*60-135*			

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

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 5I29010 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5I29010-MS1)	**Source: MOI0626-02**			Prepared & Analyzed: 09/29/05						
tert-Amyl methyl ether	163	5.0	ug/l	150	2.4	107	80-115			
Benzene	113	5.0	"	51.6	52	118	65-115			LM
tert-Butyl alcohol	23200	200	"	1430	22000	84	75-120			
Di-isopropyl ether	166	5.0	"	151	ND	110	75-125			
1,2-Dibromoethane (EDB)	156	5.0	"	148	ND	105	85-120			
1,2-Dichloroethane	172	5.0	"	147	ND	117	85-130			
Ethanol	1890	1000	"	1410	ND	134	70-135			
Ethyl tert-butyl ether	167	5.0	"	150	2.2	110	75-130			
Ethylbenzene	82.4	5.0	"	75.4	2.6	106	75-135			
Methyl tert-butyl ether	342	5.0	"	70.2	270	103	65-125			
Toluene	388	5.0	"	372	1.8	104	85-120			
Xylenes (total)	484	5.0	"	414	ND	117	85-125			
Gasoline Range Organics (C4-C12)	6240	500	"	4400	850	122	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.43*		*"*	*2.50*		*97*	*60-135*			
Matrix Spike (5I29010-MS2)	**Source: MOI0546-04RE1**			Prepared & Analyzed: 09/29/05						
tert-Amyl methyl ether	78.8	2.5	ug/l	75.2	4.8	98	80-115			
Benzene	26.8	2.5	"	25.8	ND	104	65-115			
tert-Butyl alcohol	1040	100	"	715	280	106	75-120			
Di-isopropyl ether	74.7	2.5	"	75.7	ND	99	75-125			
1,2-Dibromoethane (EDB)	73.8	2.5	"	74.2	ND	99	85-120			
1,2-Dichloroethane	79.8	2.5	"	73.6	ND	108	85-130			
Ethanol	767	500	"	707	ND	108	70-135			
Ethyl tert-butyl ether	75.6	2.5	"	75.1	ND	101	75-130			
Ethylbenzene	36.0	2.5	"	37.7	ND	95	75-135			
Methyl tert-butyl ether	156	2.5	"	35.1	130	74	65-125			
Toluene	174	2.5	"	186	ND	94	85-120			
Xylenes (total)	214	2.5	"	207	ND	103	85-125			
Gasoline Range Organics (C4-C12)	2720	250	"	2200	280	111	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		*"*	*2.50*		*99*	*60-135*			

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

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 5I29010 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (5I29010-MSD1)	**Source: MOI0626-02**			Prepared & Analyzed: 09/29/05						
tert-Amyl methyl ether	162	5.0	ug/l	150	2.4	106	80-115	0.6	15	
Benzene	107	5.0	"	51.6	52	107	65-115	5	20	
tert-Butyl alcohol	22600	200	"	1430	22000	42	75-120	3	25	BB,LN
Di-isopropyl ether	161	5.0	"	151	ND	107	75-125	3	15	
1,2-Dibromoethane (EDB)	154	5.0	"	148	ND	104	85-120	1	15	
1,2-Dichloroethane	169	5.0	"	147	ND	115	85-130	2	20	
Ethanol	1820	1000	"	1410	ND	129	70-135	4	35	
Ethyl tert-butyl ether	164	5.0	"	150	2.2	108	75-130	2	25	
Ethylbenzene	77.3	5.0	"	75.4	2.6	99	75-135	6	15	
Methyl tert-butyl ether	341	5.0	"	70.2	270	101	65-125	0.3	20	
Toluene	364	5.0	"	372	1.8	97	85-120	6	20	
Xylenes (total)	452	5.0	"	414	ND	109	85-125	7	20	
Gasoline Range Organics (C4-C12)	5990	500	"	4400	850	117	70-124	4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.44*		"	*2.50*		*98*	*60-135*			
Matrix Spike Dup (5I29010-MSD2)	**Source: MOI0546-04RE1**			Prepared & Analyzed: 09/29/05						
tert-Amyl methyl ether	70.8	2.5	ug/l	75.2	4.8	88	80-115	11	15	
Benzene	23.3	2.5	"	25.8	ND	90	65-115	14	20	
tert-Butyl alcohol	1130	100	"	715	280	119	75-120	8	25	
Di-isopropyl ether	68.2	2.5	"	75.7	ND	90	75-125	9	15	
1,2-Dibromoethane (EDB)	62.0	2.5	"	74.2	ND	84	85-120	17	15	LN, BA
1,2-Dichloroethane	70.2	2.5	"	73.6	ND	95	85-130	13	20	
Ethanol	862	500	"	707	ND	122	70-135	12	35	
Ethyl tert-butyl ether	68.8	2.5	"	75.1	ND	92	75-130	9	25	
Ethylbenzene	30.3	2.5	"	37.7	ND	80	75-135	17	15	RB
Methyl tert-butyl ether	148	2.5	"	35.1	130	51	65-125	5	20	LN
Toluene	148	2.5	"	186	ND	80	85-120	16	20	LN
Xylenes (total)	180	2.5	"	207	ND	87	85-125	17	20	
Gasoline Range Organics (C4-C12)	2450	250	"	2200	280	99	70-124	10	20	
Surrogate: 1,2-Dichloroethane-d4	*2.48*		"	*2.50*		*99*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

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 5I29011 - EPA 5030B P/T / EPA 8260B										
Blank (5I29011-BLK1)				Prepared & Analyzed: 09/29/05						
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	*2.12*		"	*2.50*		*85*	*60-135*			
Laboratory Control Sample (5I29011-BS1)				Prepared & Analyzed: 09/29/05						
tert-Amyl methyl ether	17.1	0.50	ug/l	15.0		114	80-115			
Benzene	4.95	0.50	"	5.16		96	65-115			
tert-Butyl alcohol	151	20	"	143		106	75-150			
Di-isopropyl ether	16.1	0.50	"	15.1		107	75-125			
1,2-Dibromoethane (EDB)	16.0	0.50	"	14.8		108	85-120			
1,2-Dichloroethane	15.1	0.50	"	14.7		103	85-130			
Ethanol	164	100	"	141		116	70-135			
Ethyl tert-butyl ether	17.3	0.50	"	15.0		115	75-130			
Ethylbenzene	6.99	0.50	"	7.54		93	75-135			
Methyl tert-butyl ether	7.52	0.50	"	7.02		107	65-125			
Toluene	35.5	0.50	"	37.2		95	85-120			
Xylenes (total)	37.1	0.50	"	41.4		90	85-125			
Gasoline Range Organics (C4-C12)	546	50	"	440		124	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.32*		"	*2.50*		*93*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

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 5I29011 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5I29011-MS1)	**Source: MOI0627-02**			Prepared & Analyzed: 09/29/05						
tert-Amyl methyl ether	873	25	ug/l	752	ND	116	80-115			LM
Benzene	778	25	"	258	550	88	65-115			
tert-Butyl alcohol	7440	1000	"	7150	ND	104	75-120			
Di-isopropyl ether	820	25	"	757	ND	108	75-125			
1,2-Dibromoethane (EDB)	766	25	"	742	ND	103	85-120			
1,2-Dichloroethane	790	25	"	736	ND	107	85-130			
Ethanol	7580	5000	"	7070	ND	107	70-135			
Ethyl tert-butyl ether	888	25	"	751	ND	118	75-130			
Ethylbenzene	1650	25	"	377	1400	66	75-135			LN
Methyl tert-butyl ether	462	25	"	351	82	108	65-125			
Toluene	1770	25	"	1860	24	94	85-120			
Xylenes (total)	4710	25	"	2070	3000	83	85-125			LN
Gasoline Range Organics (C4-C12)	51100	2500	"	22000	25000	119	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.21*		"	*2.50*		*88*	*60-135*			
Matrix Spike Dup (5I29011-MSD1)	**Source: MOI0627-02**			Prepared & Analyzed: 09/29/05						
tert-Amyl methyl ether	884	25	ug/l	752	ND	118	80-115	1	15	LM
Benzene	826	25	"	258	550	107	65-115	6	20	
tert-Butyl alcohol	7810	1000	"	7150	ND	109	75-120	5	25	
Di-isopropyl ether	839	25	"	757	ND	111	75-125	2	15	
1,2-Dibromoethane (EDB)	812	25	"	742	ND	109	85-120	6	15	
1,2-Dichloroethane	798	25	"	736	ND	108	85-130	1	20	
Ethanol	6580	5000	"	7070	ND	93	70-135	14	35	
Ethyl tert-butyl ether	898	25	"	751	ND	120	75-130	1	25	
Ethylbenzene	1750	25	"	377	1400	93	75-135	6	15	
Methyl tert-butyl ether	477	25	"	351	82	113	65-125	3	20	
Toluene	1880	25	"	1860	24	100	85-120	6	20	
Xylenes (total)	4940	25	"	2070	3000	94	85-125	5	20	
Gasoline Range Organics (C4-C12)	53600	2500	"	22000	25000	130	70-124	5	20	LM
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

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 5I30007 - EPA 5030B P/T / EPA 8260B										
Blank (5I30007-BLK1)				Prepared & Analyzed: 09/30/05						
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	*2.51*		"	*2.50*		*100*	*60-135*			
Blank (5I30007-BLK2)				Prepared & Analyzed: 09/30/05						
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	*2.67*		"	*2.50*		*107*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

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 5I30007 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5I30007-BS1)				Prepared & Analyzed: 09/30/05						
tert-Amyl methyl ether	14.8	0.50	ug/l	15.0		99	80-115			
Benzene	5.40	0.50	"	5.16		105	65-115			
tert-Butyl alcohol	150	20	"	143		105	75-150			
Di-isopropyl ether	15.2	0.50	"	15.1		101	75-125			
1,2-Dibromoethane (EDB)	14.4	0.50	"	14.8		97	85-120			
1,2-Dichloroethane	15.7	0.50	"	14.7		107	85-130			
Ethanol	154	100	"	141		109	70-135			
Ethyl tert-butyl ether	15.2	0.50	"	15.0		101	75-130			
Ethylbenzene	7.54	0.50	"	7.54		100	75-135			
Methyl tert-butyl ether	7.12	0.50	"	7.02		101	65-125			
Toluene	35.1	0.50	"	37.2		94	85-120			
Xylenes (total)	45.0	0.50	"	41.4		109	85-125			
Gasoline Range Organics (C4-C12)	487	50	"	440		111	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		*"*	*2.50*		*95*	*60-135*			
Laboratory Control Sample (5I30007-BS2)				Prepared & Analyzed: 09/30/05						
tert-Amyl methyl ether	15.2	0.50	ug/l	15.0		101	80-115			
Benzene	5.74	0.50	"	5.16		111	65-115			
tert-Butyl alcohol	161	20	"	143		113	75-150			
Di-isopropyl ether	15.4	0.50	"	15.1		102	75-125			
1,2-Dibromoethane (EDB)	15.0	0.50	"	14.8		101	85-120			
1,2-Dichloroethane	16.7	0.50	"	14.7		114	85-130			
Ethanol	175	100	"	141		124	70-135			
Ethyl tert-butyl ether	15.6	0.50	"	15.0		104	75-130			
Ethylbenzene	7.68	0.50	"	7.54		102	75-135			
Methyl tert-butyl ether	7.10	0.50	"	7.02		101	65-125			
Toluene	36.1	0.50	"	37.2		97	85-120			
Xylenes (total)	46.9	0.50	"	41.4		113	85-125			
Gasoline Range Organics (C4-C12)	488	50	"	440		111	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		*"*	*2.50*		*98*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

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 5I30007 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5I30007-MS1)	**Source: MOI0664-11**			Prepared: 09/30/05 Analyzed: 10/01/05						
tert-Amyl methyl ether	774	25	ug/l	752	12	101	80-115			
Benzene	406	25	"	258	110	115	65-115			
tert-Butyl alcohol	8470	1000	"	7150	490	112	75-120			
Di-isopropyl ether	785	25	"	757	ND	104	75-125			
1,2-Dibromoethane (EDB)	744	25	"	742	ND	100	85-120			
1,2-Dichloroethane	832	25	"	736	ND	113	85-130			
Ethanol	9190	5000	"	7070	1000	116	70-135			
Ethyl tert-butyl ether	788	25	"	751	ND	105	75-130			
Ethylbenzene	1460	25	"	377	980	127	75-135			
Methyl tert-butyl ether	420	25	"	351	56	104	65-125			
Toluene	2630	25	"	1860	740	102	85-120			
Xylenes (total)	6990	25	"	2070	4400	125	85-125			
Gasoline Range Organics (C4-C12)	47300	2500	"	22000	19000	129	70-124			LM
Surrogate: 1,2-Dichloroethane-d4	*2.46*		"	*2.50*		*98*	*60-135*			
Matrix Spike Dup (5I30007-MSD1)	**Source: MOI0664-11**			Prepared: 09/30/05 Analyzed: 10/01/05						
tert-Amyl methyl ether	782	25	ug/l	752	12	102	80-115	1	15	
Benzene	412	25	"	258	110	117	65-115	1	20	LM
tert-Butyl alcohol	8230	1000	"	7150	490	108	75-120	3	25	
Di-isopropyl ether	785	25	"	757	ND	104	75-125	0	15	
1,2-Dibromoethane (EDB)	748	25	"	742	ND	101	85-120	0.5	15	
1,2-Dichloroethane	811	25	"	736	ND	110	85-130	3	20	
Ethanol	8840	5000	"	7070	1000	111	70-135	4	35	
Ethyl tert-butyl ether	798	25	"	751	ND	106	75-130	1	25	
Ethylbenzene	1510	25	"	377	980	141	75-135	3	15	LM
Methyl tert-butyl ether	428	25	"	351	56	106	65-125	2	20	
Toluene	2660	25	"	1860	740	103	85-120	1	20	
Xylenes (total)	7110	25	"	2070	4400	131	85-125	2	20	LM
Gasoline Range Organics (C4-C12)	47300	2500	"	22000	19000	129	70-124	0	20	LM
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-135*			

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URS Corporation [Arco]	Project:ARCO #6041, Dublin, CA	MOI0626
1333 Broadway, Suite 800	Project Number:G0C1W-0003	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	10/04/05 11:55

Notes and Definitions

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

Chain of Custody Record

Page 1 of 1

Project Name: Analytical for QMR sampling GOC1

BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 6041 > HistoricalBL

State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fr

Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: 0935	Temp: 60
Off-site Time: 1300	Temp: 70
Sky Conditions: Clear	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Sequoia	BP/AR Facility No.: 6041	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 7249 Village Parkway, Dublin, CA 94566	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.710691 / -121.926	Oakland, CA 94612
Lab PM: Lisa Race / Jamshid Kekobad	California Global ID No.: T0600100109	Consultant/Contractor Project No.: 38487038
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G0C1W-0003	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3280 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 04 - Mon/Remed by Natural Attenuation	Report Type & QC Level: Level 1 with EDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Donna_Cosper@urscorp.com
Tele/Fax: 925.299.8891 / 925.299.8872	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No: 6041

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO / BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-2	1245	9/16/05		X		01	3				X		X	X	X	X	MOE0426
2	MW-3	1255			X		02	3				X		X	X	X	X	
3	MW-4	1100			X		03	3				X		X	X	X	X	
4	MW-5	1210			X		04	3				X		X	X	X	X	
5	MW-6	1150			X		05	3				X		X	X	X	X	
6	MW-8	1040			X		06	3				X		X	X	X	X	
7	TB-6041-09162005	—	9/16/05		X		07	2				X						on hold
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: John Nelson		9/16/05	1549	SAMPLE CUSTODIAN	9/16/05	1549
Sampler's Company: Blaine Tech	Sample Custodian	9/19/05	1019		9/19/05	1019
Shipment Date:		9/19/05	1140	Jannyfson	9/19/05	1340
Shipment Method:						11:40
Shipment Tracking No:						

Special Instructions:

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

Distribution: White Copy - Laboratory / Yellow Copy - Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: bp
REC. BY (PRINT): JT
WORKORDER: 502629

DATE REC'D AT LAB: 9/19/05
TIME REC'D AT LAB: ~~13:20~~ 11:40 rec'd
DATE LOGGED IN: 9-20-05

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

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*	01	1-C	MW-2	Voa-3	HCl	—	W	9/16/05	
2. Chain-of-Custody: (Present) / Absent*	02		-3						
3. Traffic Reports or Packing List: (Present) / Absent	03		-4						
4. Airbill: Airbill / Sticker Present / (Absent)	04		-5						
5. Airbill #:	05		-6						
6. Sample Labels: Present / (Absent)	06		-8						
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody	07	1,B	TB-6091-091605	5 Voa-2					
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. Read Temp: 6.1°C; Corrected Temp: 6.1°C; Is corrected temp 4 +/-2°C? (Yes) / No** (Acceptance range for samples requiring thermal pres.)									

**Exception (if any): METALS / OFF ON ICE or Problem COC

JT 9/19/05

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

SRL Revision 7
places Rev 5 (07/13/04)
ive 07/19/05

ATTACHMENT C

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL GEO_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	10/11/2005 5:47:51 PM

Processing is complete. No errors were found!
You may now proceed to the upload page.

Back to Main Menu

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(CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**3Q 2005 QMR GeoWell BP/ARCO 6041**
Submittal Date/Time:	**10/11/2005 5:48:36 PM**
Confirmation Number:	**9252013981**

Back to Main Menu

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CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	10/11/2005 5:49:29 PM
GLOBAL ID:	T0600100109
FILE UPLOADED:	ARCO#6041-EDF-MOI0626.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

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)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N

MISSING PARAMETERS NOT TESTED:
- 8260FA REQUIRES DBFM TO BE TESTED
- 8260FA REQUIRES BR4FBZ TO BE TESTED
- 8260FA REQUIRES BZMED8 TO BE TESTED

LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	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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CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 2761356770
Date/Time of Submittal: 10/11/2005 5:50:34 PM
Facility Global ID: T0600100109
Facility Name: ARCO # 06041
Submittal Title: 3Q 2005 QMR EDF BP/ARCO 6041
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO # 06041 7249 VILLAGE PKWY DUBLIN, CA 94568	**Regional Board - Case #: 01-0117** SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)** **Local Agency (lead agency) - Case #: RO0000452** ALAMEDA COUNTY LOP - **(RWS)**

CONF #	TITLE	QUARTER
2761356770	3Q 2005 QMR EDF BP/ARCO 6041	Q3 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	10/11/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0

DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	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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ATTACHMENT D

WELL REPAIR DATA

Repair Data Sheet

Client URS @ ARCO 60491 Date 8-18-05

Site Address 7249 Village Parkway, Dublin

Job Number 050818AA1 Technician Andrew Attalla

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Other Deficiency	Lid Not Securable By Design (List Type)	Well Not Inspected (explain in notes)	Deficiency Logged on Repair Order	Deficiency Remains Uncorrected/Logged on Site Inspection Checklist	Partial Repair Completed/Outstanding Deficiency Logged on Repair Order	All Repairs Completed
MW-2							X											X
Notes: 1 of 2 stripped - Retap																		
MW-3							X											X
Notes: 2 of 2 stripped tabs - Retap																		
MW-4							X											X
Notes: 2 of 2 stripped tabs - Retap																		
MW-5					X		X											X
Notes: 2 of 2 stripped tabs, casing flush with bottom, retap, raised casing ~~TOC~~																		
MW-6							X											X
Notes: 1 of 2 stripped tabs - Retap																		
MW-7							X											X
Notes: 2 of 4 stripped tabs - R-tap																		

raised + ↑ .80 ft.

Quality Control Summary

Client Name: ChevronTexaco c/o Cambria

Group Number: 958020

Reported: 09/13/05 at 06:37 PM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Z052521AA	Sample number(s): 4596901-4596902								
Ethanol	161	130	26-162	21	30				
Methyl Tertiary Butyl Ether	98	98	69-134	0	30				
di-Isopropyl ether	93	94	75-130	1	30				
Ethyl t-butyl ether	99	99	78-119	0	30				
t-Amyl methyl ether	99	101	72-125	1	30				
t-Butyl alcohol	95	96	56-134	1	30				
Benzene	102	102	83-128	0	30				
Toluene	105	105	83-127	0	30				
Ethylbenzene	104	104	82-129	1	30				
Xylene (Total)	106	106	82-130	0	30				
Batch number: Z052522AA	Sample number(s): 4596900								
Methyl Tertiary Butyl Ether	98	97	69-134	1	30				
Benzene	106	103	83-128	3	30				
Toluene	108	108	83-127	0	30				
Ethylbenzene	105	104	82-129	1	30				
Xylene (Total)	110	109	82-130	1	30				
Batch number: Z052523AA	Sample number(s): 4596903-4596904								
Ethanol	126	136	26-162	8	30				
Methyl Tertiary Butyl Ether	91	92	69-134	1	30				
di-Isopropyl ether	88	87	75-130	1	30				
Ethyl t-butyl ether	94	94	78-119	0	30				
t-Amyl methyl ether	95	97	72-125	2	30				
t-Butyl alcohol	93	93	56-134	0	30				
Benzene	97	97	83-128	0	30				
Toluene	101	101	83-127	0	30				
Ethylbenzene	101	100	82-129	0	30				
Xylene (Total)	102	101	82-130	0	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 05254A16A

	Trifluorotoluene-F
4596900	91
4596901	91
4596902	92
4596903	91
4596904	93
Blank	93
LCS	94
LCSD	95
MS	95
Limits:	63-135

Analysis Name: BTEX+5 Oxygenates+ETOH
Batch number: Z052521AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco c/o Cambria Group Number: 958020
Reported: 09/13/05 at 06:37 PM

Surrogate Quality Control

4596901	100	96	91	91
4596902	98	94	92	92
Blank	96	92	93	90
LCS	96	90	93	94
MS	96	91	93	95
MSD	95	92	93	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+MTBE by 8260B
Batch number: Z052522AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4596900	105	103	102	98
Blank	105	103	102	97
LCS	104	101	102	101
MS	106	103	102	102
MSD	104	103	101	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+5 Oxygenates+ETOH
Batch number: Z052523AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4596903	99	94	92	93
4596904	96	93	93	93
Blank	98	93	93	91
LCS	98	92	92	94
MS	97	93	93	95
MSD	98	92	93	96
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.