

February 8, 2006

Mr. Don Hwang  
Alameda County Environmental Health (ACEH)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Alameda County  
FEB 15 2006  
Environmental Health

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

Dear Mr. Hwang:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Fourth 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) 874-3152.

Sincerely,

**URS CORPORATION**



Alok D. Kolekar, P.E. (Lic. #69548)  
Project Manager

Enclosure: Fourth 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



Atlantic Richfield Company  
(a BP affiliated company)

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

Alameda County  
FEB 15 2006  
Environmental Health

February 8, 2006

Re: Fourth Quarter 2005 Groundwater Monitoring Report  
ARCO Service Station #6041  
7249 Village Parkway  
Dublin, California  
ACEH Case #R00000452

"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

**REPORT**

Alameda County  
FEB 15 2006  
Environmental Health

# FOURTH QUARTER 2005 GROUNDWATER MONITORING REPORT

ARCO SERVICE STATION #6041  
7249 VILLAGE PARKWAY  
DUBLIN, CALIFORNIA

*Prepared for*  
RM

February 8, 2006

**URS**

URS Corporation  
1333 Broadway, Suite 800  
Oakland, California 94612

Date: February 8, 2006

Quarter: 4Q 05

### FOURTH 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 / Alok D. Kolekar

Primary Agency: Alameda County Environmental Health (ACEH)

ACEH Case No.: RO0000452

#### WORK PERFORMED THIS QUARTER (Fourth – 2005):

1. Prepared and submitted the Third Quarter 2005 Groundwater Monitoring Report.
2. Performed the fourth quarter 2005 groundwater monitoring event on December 27, 2005.

#### WORK PROPOSED FOR NEXT QUARTER (First – 2006):

1. Prepared and submitted this Fourth Quarter 2005 Groundwater Monitoring Report.
2. Perform the first quarter 2006 groundwater monitoring event.

#### SITE SUMMARY:

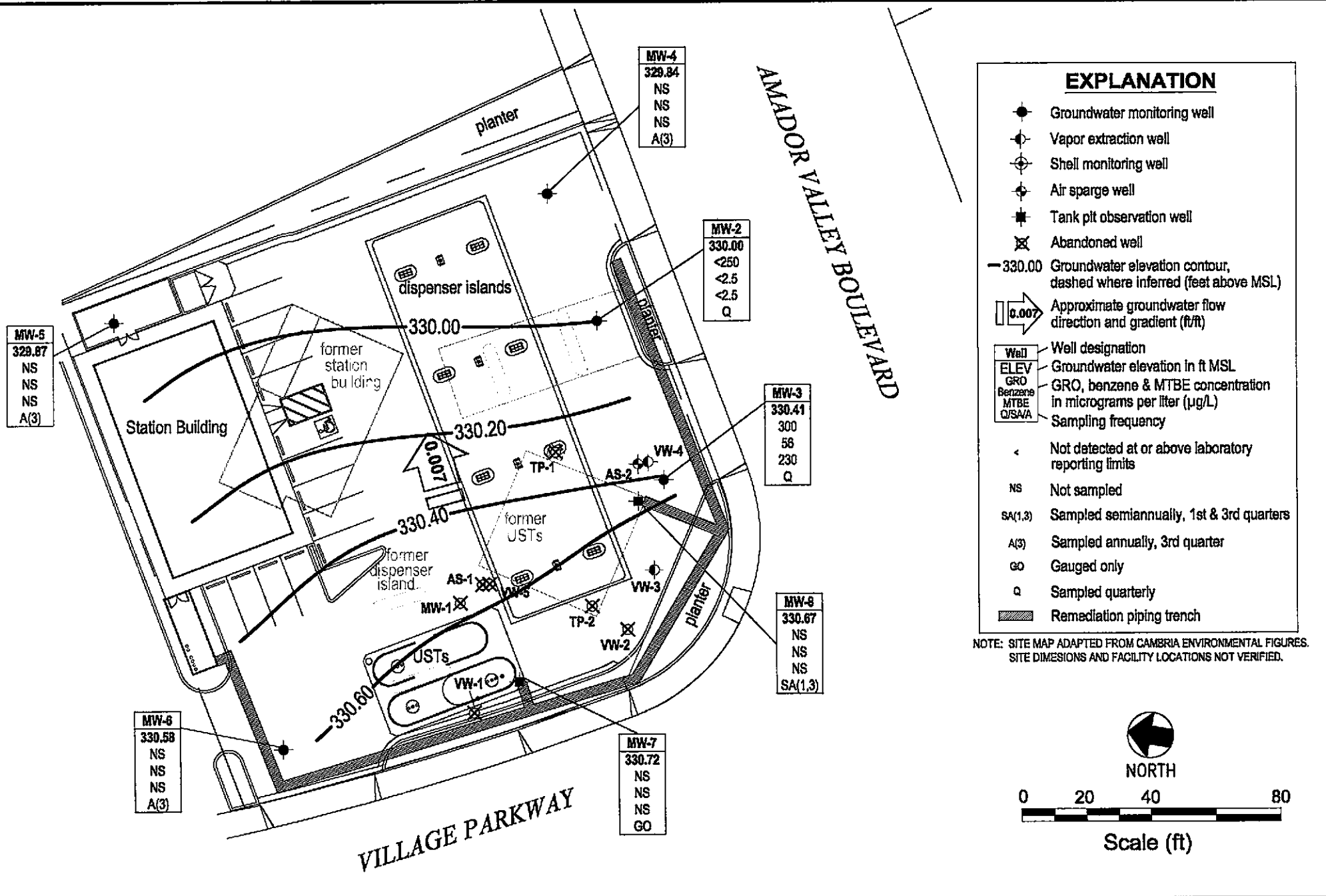
Current Phase of Project:	<u>Groundwater monitoring/sampling</u>
Frequency of Groundwater Sampling:	<u>Quarterly: Wells MW-2 and MW-3</u> <u>Semiannually (1<sup>st</sup> and 3<sup>rd</sup> Qtrs.): Well MW-8</u> <u>Annually (3<sup>rd</sup> Qtr.): Wells MW-4, MW-5 and MW-6</u>
Frequency of Groundwater Monitoring:	<u>Quarterly: Wells MW-2 to MW-8</u>
Is Free Product Present On-Site:	<u>No</u>
Bulk Soil Removed to Date:	<u>3,208 cubic yards</u>
Current Remediation Techniques:	<u>None</u>
Approximate Depth to Groundwater:	<u>7.03 (MW-4) to 8.72 (MW-5)</u>
Groundwater Gradient (direction):	<u>East-Northeast</u>
Groundwater Gradient (magnitude):	<u>0.007 feet per foot</u>

#### DISCUSSION:

Gasoline range organics, benzene, total xylenes, and methyl tert-butyl ether were detected at or above their respective laboratory reporting limits in one of the two wells sampled this quarter (MW-3) at concentrations of 300 micrograms per liter ( $\mu\text{g/L}$ ), 56  $\mu\text{g/L}$ , 3.6  $\mu\text{g/L}$  and 230  $\mu\text{g/L}$ , respectively. Tert-Butyl alcohol was detected at or above the laboratory reporting limit in both wells at concentrations of 1,700  $\mu\text{g/L}$  (MW-3) and 3,800  $\mu\text{g/L}$  (MW-2). No other fuel components were detected at or above their respective laboratory reporting limits in either of the wells sampled this quarter. During purging prior to sampling, well MW-3 dewatered after 6 gallons of water were removed.

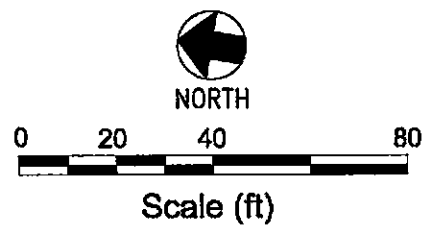
**ATTACHMENTS:**

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – December 27, 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



EXPLANATION							
	Groundwater monitoring well						
	Vapor extraction well						
	Shell monitoring well						
	Air sparge well						
	Tank pit observation well						
	Abandoned well						
	330.00 Groundwater elevation contour, dashed where inferred (feet above MSL)						
	0.007 Approximate groundwater flow direction and gradient (ft/ft)						
<table border="1"><tr><td>Well</td></tr><tr><td>ELEV</td></tr><tr><td>GRO</td></tr><tr><td>Benzene</td></tr><tr><td>MTBE</td></tr><tr><td>Q/SA</td></tr></table>	Well	ELEV	GRO	Benzene	MTBE	Q/SA	Well designation Groundwater elevation in ft MSL GRO, benzene & MTBE concentration in micrograms per liter (µg/L) Sampling frequency
Well							
ELEV							
GRO							
Benzene							
MTBE							
Q/SA							
<	Not detected at or above laboratory reporting limits						
NS	Not sampled						
SA(1,3)	Sampled semiannually, 1st & 3rd quarters						
A(3)	Sampled annually, 3rd quarter						
GO	Gauged only						
Q	Sampled quarterly						
	Remediation piping trench						

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



<b>URS</b>	Project No. 38487188	<b>GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP</b>	FIGURE <b>1</b>
	ARCO Service Station #6041 7249 Village Parkway Dublin, California		

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	4.3	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	2.1	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	3.1	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	3.8	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	3.2	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	2.6	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	1.2	6.8
	12/27/2005	P		337.29	10.50	14.00	7.29	330.00	<250	<2.5	<2.5	<2.5	<2.5	<2.5	1.37	7.3
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	--	--



**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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-3	02/26/1996	--		335.53	12.00	15.00	8.42	327.11	16,000	1,600	1,200	300	2,000	9,500	--	--
	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	1.3	--
	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	4.6	7.6
	09/17/2004	P		338.18	12.00	15.00	8.38	329.80	<5,000	<50	<50	<50	<50	280	1.8	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	1.9	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	1.8	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	1.4	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	1.4	7.2
	12/27/2005	P		338.18	12.00	15.00	7.77	330.41	300	56	<2.5	<2.5	3.6	230	1.54	8.0

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	02/15/1995	--		334.22	8.50	14.50	7.85	326.37	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	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	5.4	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

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	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	2.9	6.9
	06/23/2005	P	p	336.87	8.50	14.50	6.70	330.17	--	--	--	--	--	--	2.2	6.7
	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	1.2	6.9
	12/27/2005	--		336.87	8.50	14.50	7.03	329.84	--	--	--	--	--	--	--	--
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	2.9	--

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	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	--	--	--	--	--	--	--	--	--	--
	09/24/2004	P		338.59	11.00	17.50	8.53	330.06	<50	<0.50	<0.50	<0.50	<0.50	17	1.9	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	1.3	7.0
	12/27/2005	--		338.59	11.00	17.50	8.72	329.87	--	--	--	--	--	--	--	--
	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	

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-6	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
	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	1.8	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	1.8	7.1
	12/27/2005	--		338.37	8.50	12.70	7.79	330.58	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	
12/27/2005	--		338.62	--	8.00	7.90	330.72	--	--	--	--	--	--	--	--	
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	--

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	04/26/2002	--	i	--	--	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
	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	1.5	7.1
	03/10/2004	P		338.27	--	12.60	7.41	330.86	690	50	<5.0	7.4	6.8	370	2.2	6.3
	06/21/2004	P		338.27	--	12.60	8.41	329.86	1,300	200	<5.0	65	82	400	0.8	6.8
	09/17/2004	P		338.27	--	12.60	8.25	330.02	580	17	<0.50	1.9	5.8	22	1.3	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	1.9	6.8
	06/23/2005	P	n	338.27	--	12.60	7.91	330.36	160	10	<0.50	3.8	5.4	26	1.8	6.8
	09/16/2005	P		338.27	--	12.60	8.38	329.89	1,700	340	5.0	100	95	49	2.5	6.8
12/27/2005	--		338.27	--	12.60	7.60	330.67	--	--	--	--	--	--	--	--	
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	--

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
Shell MW-6	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	--	--	--	--	--	--	--	--	--
	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 elevation 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 was present in the requested fuel quantitation range but did 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 was 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 GWE 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 were 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	
	12/27/2005	<500	3,800	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	c
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	
	12/27/2005	<500	1,700	230	<2.5	<2.5	<2.5	<2.5	<2.5	c
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	

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	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	
	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	
	06/28/2003	<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	
	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

#### ABBREVIATIONS AND SYMBOLS:

< = Not detected at or above 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

µg/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.

c = Calibration verification for ethanol was within method limits but outside contract limits.

#### 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

**Table 3**

**Groundwater Gradient Data**  
ARCO Service Station #6041  
7249 Village Parkway, Dublin, CA

<b>Date Sampled</b>	<b>Approximate Flow Direction</b>	<b>Approximate Hydraulic Gradient</b>
<b>12/27/2005</b>	<b>East-Northeast</b>	<b>0.007</b>

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

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### 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 # OS 1227-MT1 Date 12/27/05 Client Arco 6041

Site Arco 6041

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					<del>7.03</del> 7.29	<del>14.49</del> 14.54	
MW-3	4					7.77	13.85	
MW-4	4					7.03	14.49	
MW-5	4					8.72	18.18	
MW-6	4					7.79	12.80	
MW-7	4					<del>7.90</del> 7.90	<del>12.56</del> 8.21	
MW-8	4					7.60	12.74	
* MW-8 stripped bolt holes								



## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>051227-MT1</u>	Station # <u>Arw 6041</u>
Sampler: <u>MT, DR, JJD</u>	Date: <u>12/27/05</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>9.54</u>	Depth to Water: <del>7.23</del> <u>7.29</u> <small>MOD 1/31/06</small>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): <u>YSI</u> HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 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.

<u>1.5</u>	x	<u>3</u>	=	<u>4.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u> )	Gals. Removed	Observations
1055	70.2	<del>6.7</del> <u>7.0</u>	3576	1.5	clear
1106	70.6	<u>7.4</u>	3566	3.0	"
1110	71.6	<u>7.3</u>	35.63	4.5	"

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>4.5</u>
Sampling Time: <u>1117</u>	Sampling Date: <u>12/27/05</u>
Sample I.D.: <u>MW-2</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>GR</u> <u>STE</u> MTBB DRO <u>ORP</u> <u>2-DCP</u> <u>EDR</u> <u>PERMUT</u> Other: _____	

D.O. (if req'd):	Pre-purge:	<small>mg/L</small>	Post-purge:	<u>1.37</u> <small>mg/L</small>
O.R.P. (if req'd):	Pre-purge:	<small>mV</small>	Post-purge:	<small>mV</small>

## ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>051227-MT1</u>	Station # <u>Aro 6041</u>
Sampler: <u>MT, DR, JSD</u>	Date: <u>12/27/05</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>13.85</u>	Depth to Water: <u>7.77</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): <u>YSI</u> HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Positive Air Displacement</u> <u>Electric Submersible</u> <u>Extraction Pump</u> Other: _____	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Extraction Port</u> 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.

<u>6.0</u>	x	<u>3</u>	=	<u>18</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or $\mu$ S)	Gals. Removed	Observations
1142	64.8	7.9	339	6	Clear
* Well dewatered aft 6 gallons - depth to water 12.10					
1150	70.6	8.0	579	- " "	" 10.50

Did well dewater? Yes No      Gallons actually evacuated: 6

Sampling Time: \_\_\_\_\_ Sampling Date: 12/27/05

Sample I.D.: MW-3      Laboratory: Pace Sequoia Other \_\_\_\_\_

Analyzed for: GRO BTX MTBE DRO Unk's 2-DCA EDP Ethanol Other: \_\_\_\_\_

D.O. (if req'd):      Pre-purge: \_\_\_\_\_ mg/L      Post-purge: 1.54 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:

*600A1*

Station # \_\_\_\_\_

Station Address *7249 Village Park, Dublin*

Total Gallons Collected From Groundwater Monitoring Wells:  
*11*

added equip. *1* any other adjustments \_\_\_\_\_  
rinse water \_\_\_\_\_

TOTAL GALS. RECOVERED *12* loaded onto BTS vehicle # *603*

BTS event # *051227-MTR* time *1200* date *12-27-05*

signature *[Signature]*

\*\*\*\*\*

REC'D AT *BTS* time \_\_\_\_\_ date *12/27/05*

unloaded by signature *[Signature]*

**ATTACHMENT B**

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

## **LABORATORY PROCEDURES**

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### **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.



12 January, 2006

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

RE: ARCO #6041, Dublin, CA  
Work Order: MOL1042

Enclosed are the results of analyses for samples received by the laboratory on 12/28/05 19:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race  
Senior 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.



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

Project: ARCO #6041, Dublin, CA  
Project Number: G0C1W-0003  
Project Manager: Scott Robinson

MOL1042  
Reported:  
01/12/06 15:41

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MOL1042-01	Water	12/27/05 11:17	12/28/05 19:10
MW-3	MOL1042-02	Water	12/27/05 11:50	12/28/05 19:10
TB-6041-12272005	MOL1042-03	Water	12/27/05 00:00	12/28/05 19:10

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.

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

 Project: ARCO #6041, Dublin, CA  
 Project Number: G0C1W-0003  
 Project Manager: Scott Robinson

 MOL1042  
 Reported:  
 01/12/06 15:41

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-2 (MOL1042-01) Water</b> Sampled: 12/27/05 11:17 Received: 12/28/05 19:10									
tert-Amyl methyl ether	ND	2.5	ug/l	5	6A05014	01/05/06	01/06/06	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
<b>tert-Butyl alcohol</b>	<b>3800</b>	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	250	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94 %	60-135		"	"	"	"	
<b>MW-3 (MOL1042-02) Water</b> Sampled: 12/27/05 11:50 Received: 12/28/05 19:10									
tert-Amyl methyl ether	ND	2.5	ug/l	5	6A09007	01/09/06	01/09/06	EPA 8260B	
<b>Benzene</b>	<b>56</b>	2.5	"	"	"	"	"	"	
<b>tert-Butyl alcohol</b>	<b>1700</b>	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>230</b>	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>3.6</b>	2.5	"	"	"	"	"	"	
<b>Gasoline Range Organics (C4-C12)</b>	<b>300</b>	250	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	60-135		"	"	"	"	



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

 Project: ARCO #6041, Dublin, CA  
 Project Number: G0C1W-0003  
 Project Manager: Scott Robinson

 MOL1042  
 Reported:  
 01/12/06 15:41

**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
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**Batch 6A05014 - EPA 5030B P/T / EPA 8260B**
**Blank (6A05014-BLK1)**

Prepared &amp; Analyzed: 01/05/06

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
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*

2.41

"

2.50

96

60-135

**Laboratory Control Sample (6A05014-BS1)**

Prepared &amp; Analyzed: 01/05/06

tert-Amyl methyl ether	14.6	0.50	ug/l	15.0		97	80-115			
Benzene	4.86	0.50	"	5.16		94	65-115			
tert-Butyl alcohol	202	5.0	"	143		141	75-150			
Di-isopropyl ether	15.3	0.50	"	15.1		101	75-125			
1,2-Dibromoethane (EDB)	15.9	0.50	"	14.9		107	85-120			
1,2-Dichloroethane	15.1	0.50	"	14.7		103	85-130			
Ethanol	340	100	"	142		239	70-135			HL, IC
Ethyl tert-butyl ether	14.1	0.50	"	15.0		94	75-130			
Ethylbenzene	6.48	0.50	"	7.54		86	75-135			
Methyl tert-butyl ether	6.10	0.50	"	7.02		87	65-125			
Toluene	36.1	0.50	"	37.2		97	85-120			
Xylenes (total)	42.5	0.50	"	41.2		103	85-125			
Gasoline Range Organics (C4-C12)	423	50	"	440		96	60-140			

*Surrogate: 1,2-Dichloroethane-d4*

2.23

"

2.50

89

60-135

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

 Project: ARCO #6041, Dublin, CA  
 Project Number: G0C1W-0003  
 Project Manager: Scott Robinson

 MOL1042  
 Reported:  
 01/12/06 15:41

**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
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**Batch 6A05014 - EPA 5030B P/T / EPA 8260B**

<b>Matrix Spike (6A05014-MS1)</b>	<b>Source: MPA0024-03</b>			<b>Prepared &amp; Analyzed: 01/05/06</b>						
tert-Amyl methyl ether	79.4	2.5	ug/l	75.2	ND	106	80-115			
Benzene	26.0	2.5	"	25.8	0.85	97	65-115			
tert-Butyl alcohol	4690	25	"	716	3300	194	75-120			BB,LM
Di-isopropyl ether	79.6	2.5	"	75.6	0.60	104	75-125			
1,2-Dibromoethane (EDB)	82.4	2.5	"	74.4	ND	111	85-120			
1,2-Dichloroethane	80.2	2.5	"	73.6	1.2	107	85-130			
Ethanol	1290	500	"	708	ND	182	70-135			HL, IC
Ethyl tert-butyl ether	74.8	2.5	"	75.2	1.0	98	75-130			
Ethylbenzene	33.8	2.5	"	37.7	1.1	87	75-135			
Methyl tert-butyl ether	48.1	2.5	"	35.1	15	94	65-125			
Toluene	186	2.5	"	186	1.7	99	85-120			
Xylenes (total)	222	2.5	"	206	ND	108	85-125			
Gasoline Range Organics (C4-C12)	2610	250	"	2200	420	100	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.23</i>		<i>"</i>	<i>2.50</i>		<i>89</i>	<i>60-135</i>			

<b>Matrix Spike Dup (6A05014-MSD1)</b>	<b>Source: MPA0024-03</b>			<b>Prepared: 01/05/06 Analyzed: 01/06/06</b>						
tert-Amyl methyl ether	82.4	2.5	ug/l	75.2	ND	110	80-115	4	15	
Benzene	26.2	2.5	"	25.8	0.85	98	65-115	0.8	20	
tert-Butyl alcohol	4070	25	"	716	3300	108	75-120	14	25	
Di-isopropyl ether	81.7	2.5	"	75.6	0.60	107	75-125	3	15	
1,2-Dibromoethane (EDB)	80.6	2.5	"	74.4	ND	108	85-120	2	15	
1,2-Dichloroethane	82.4	2.5	"	73.6	1.2	110	85-130	3	20	
Ethanol	1170	500	"	708	ND	165	70-135	10	35	HL, IC
Ethyl tert-butyl ether	76.2	2.5	"	75.2	1.0	100	75-130	2	25	
Ethylbenzene	33.6	2.5	"	37.7	1.1	86	75-135	0.6	15	
Methyl tert-butyl ether	50.0	2.5	"	35.1	15	100	65-125	4	20	
Toluene	184	2.5	"	186	1.7	98	85-120	1	20	
Xylenes (total)	216	2.5	"	206	ND	105	85-125	3	20	
Gasoline Range Organics (C4-C12)	2640	250	"	2200	420	101	60-140	1	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.25</i>		<i>"</i>	<i>2.50</i>		<i>90</i>	<i>60-135</i>			

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

 Project: ARCO #6041, Dublin, CA  
 Project Number: G0C1W-0003  
 Project Manager: Scott Robinson

 MOL1042  
 Reported:  
 01/12/06 15:41

**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
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**Batch 6A09007 - EPA 5030B P/T / EPA 8260B**
**Blank (6A09007-BLK1)**

Prepared &amp; Analyzed: 01/09/06

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.67</i>		<i>"</i>	<i>2.50</i>		<i>107</i>	<i>60-135</i>			

**Laboratory Control Sample (6A09007-BS1)**

Prepared &amp; Analyzed: 01/09/06

tert-Amyl methyl ether	14.0	0.50	ug/l	15.0		93	80-115			
Benzene	4.65	0.50	"	5.16		90	65-115			
tert-Butyl alcohol	187	5.0	"	143		131	75-150			
Di-isopropyl ether	13.8	0.50	"	15.1		91	75-125			
1,2-Dibromoethane (EDB)	16.8	0.50	"	14.9		113	85-120			
1,2-Dichloroethane	15.6	0.50	"	14.7		106	85-130			
Ethanol	309	100	"	142		218	70-135			HL, IC
Ethyl tert-butyl ether	13.6	0.50	"	15.0		91	75-130			
Ethylbenzene	8.07	0.50	"	7.54		107	75-135			
Methyl tert-butyl ether	5.60	0.50	"	7.02		80	65-125			
Toluene	38.4	0.50	"	37.2		103	85-120			
Xylenes (total)	45.1	0.50	"	41.2		109	85-125			
Gasoline Range Organics (C4-C12)	407	50	"	440		92	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>2.77</i>		<i>"</i>	<i>2.50</i>		<i>111</i>	<i>60-135</i>			

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

 Project: ARCO #6041, Dublin, CA  
 Project Number: G0C1W-0003  
 Project Manager: Scott Robinson

 MOL1042  
 Reported:  
 01/12/06 15:41

**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
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**Batch 6A09007 - EPA 5030B P/T / EPA 8260B**
**Laboratory Control Sample Dup (6A09007-BSD1)**

Prepared &amp; Analyzed: 01/09/06

tert-Amyl methyl ether	13.7	0.50	ug/l	15.0		91	80-115	2	15	
Benzene	4.46	0.50	"	5.16		86	65-115	4	20	
tert-Butyl alcohol	193	5.0	"	143		135	75-150	3	25	
Di-isopropyl ether	13.6	0.50	"	15.1		90	75-125	1	15	
1,2-Dibromoethane (EDB)	16.4	0.50	"	14.9		110	85-120	2	15	
1,2-Dichloroethane	14.9	0.50	"	14.7		101	85-130	5	20	
Ethanol	345	100	"	142		243	70-135	11	35	HL, IC
Ethyl tert-butyl ether	13.4	0.50	"	15.0		89	75-130	1	25	
Ethylbenzene	7.65	0.50	"	7.54		101	75-135	5	15	
Methyl tert-butyl ether	5.46	0.50	"	7.02		78	65-125	3	20	
Toluene	36.8	0.50	"	37.2		99	85-120	4	20	
Xylenes (total)	43.6	0.50	"	41.2		106	85-125	3	20	
Gasoline Range Organics (C4-C12)	392	50	"	440		89	60-140	4	25	
Surrogate: 1,2-Dichloroethane-d4	2.61		"	2.50		104	60-135			



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

Project: ARCO #6041, Dublin, CA  
Project Number: G0C1W-0003  
Project Manager: Scott Robinson

MOL1042  
Reported:  
01/12/06 15:41

**Notes and Definitions**

IC        Calib. verif. is within method limits but outside contract limits

HL        Analyte recovery above established limit

BB,LM    Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).

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

Project Name: Analytical for QMR sampling  
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 6041 > Historical/BL  
 State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Francisco  
 Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: 12:30 Temp: 65  
 Off-site Time: 1:30 Temp: 65  
 Sky Conditions: Cloudy  
 Meteorological Events: None  
 Wind Speed: 0 Direction: 0

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

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis						Sample Point Lat/Long and Comments	
				Soil/Solid	Water/Liquid	Air			Unpreserved	E <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	ERC / BTEX (8260)	MIBE, TAME, F1B6	DIPE, TEA (8260)	EDB, 1,2-DCA (8260)	Ethanol (8260)			
1	<u>MW-2</u>	<u>1117</u>	<u>12/2/05</u>	<u>X</u>			<u>MOL1042</u>	<u>3</u>							<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
2	<u>MW-3</u>	<u>1150</u>	<u>12/2/05</u>	<u>X</u>			<u>02</u>	<u>3</u>							<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
3	<u>TB-6041-1222275</u>			<u>X</u>			<u>03</u>	<u>2</u>							<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			<u>On Hold</u>
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<u>Mike Tott</u>	<u>URS</u>	<u>12/2/05</u>	<u>12:15</u>	<u>(Sample Custodian)</u>	<u>12/27</u>	<u>12:16</u>
<u>Shipment Date:</u>	<u>SHIPPER CUSTODIAN</u>	<u>12/2/05</u>	<u>11:16</u>		<u>12/2/05</u>	<u>11:16</u>
<u>Shipment Method:</u>		<u>12/2/05</u>	<u>9:10</u>	<u>E. Feltner</u>	<u>12/28</u>	<u>12:10</u>

Special Instructions:

Custody Seals In Place Yes  No  Temp Blank Yes  No  Cooler Temperature on Receipt 2.8 F/E Trip Blank Yes  No

## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS 6041  
 REC. BY (PRINT): E. Fallin  
 WORKORDER: H011042

DATE REC'D AT LAB: 12/28/05  
 TIME REC'D AT LAB: 1910  
 DATE LOGGED IN: 12-30-05

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 / <input checked="" type="radio"/> Absent Intact / Broken*									DDF 12/28/05 SEE COC
2. Chain-of-Custody <input checked="" type="radio"/> Present / Absent*									
3. Traffic Reports or Packing List: Present / <input checked="" type="radio"/> Absent									
4. Airbill: Airbill / Sticker Present / <input checked="" type="radio"/> Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: <input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: <input checked="" type="radio"/> Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No*									
10. Sample received within hold time? <input checked="" type="radio"/> Yes / No*									
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No*									
12. Proper preservatives used? <input checked="" type="radio"/> Yes / No*									
13. <input checked="" type="radio"/> Trip Blank / <input checked="" type="radio"/> Temp Blank Received? (circle which, if yes) <input checked="" type="radio"/> Yes / No*									
14. Read Temp: <u>2.8°C</u> Corrected Temp: <u>2.8°C</u> Is corrected temp 4 +/-2°C? <input checked="" type="radio"/> Yes / No**									

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

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

**ATTACHMENT C**

**ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL  
CONFIRMATIONS**



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<u>USER NAME:</u>	URSCORP-OAKLAND
<u>DATE CHECKED:</u>	1/31/2006 10:53:39 AM
<u>GLOBAL ID:</u>	T0600100109
<u>FILE UPLOADED:</u>	ARCO#6041-EDF-MOL1042.zip

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

#### SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	2
# FIELD POINTS WITH DETECTIONS	2
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
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%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
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**

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS &gt; REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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**Confirmation Number:** 7351946771  
**Date/Time of Submittal:** 1/31/2006 10:54:27 AM  
**Facility Global ID:** T0600100109  
**Facility Name:** ARCO # 06041  
**Submittal Title:** 4Q 2005 BP/ARCO 6041 EDF  
**Submittal Type:** GW Monitoring Report

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

CONF #	TITLE	QUARTER
7351946771	4Q 2005 BP/ARCO 6041 EDF	Q4 2005
SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	1/31/2006	PENDING REVIEW

**SAMPLE DETECTIONS REPORT**

# FIELD POINTS SAMPLED	2
# FIELD POINTS WITH DETECTIONS	2
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
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%	N
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
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**

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS &gt; REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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GEOWELL

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