RO

Atlantic Richfield Company
(a BP affiliated company)

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

2006 MAR -9 AM 9:02

March 8, 2006

Alameda County
Environmental Health
MAR 10 2006

Re: ARCO Service Station # 0276
10600 MacArthur Boulevard
Oakland, CA
First Quarter 2006 Groundwater Monitoring Report
ACEH Case #3756

"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

March 7, 2006

Mr. Don Hwang
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Second Floor, Suite 250
Alameda, CA 94502

Re: First Quarter 2006 Groundwater Monitoring Report
ARCO Service Station #0276
10600 MacArthur Boulevard
Oakland, California
ACEH Case #3756

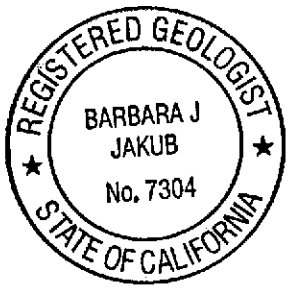
Dear Mr. Hwang:

On behalf of Atlantic Richfield Company, a BP-affiliated company, URS Corporation (URS) is submitting the *First Quarter 2006 Groundwater Monitoring Report* for ARCO Service Station #0276, located at 10600 MacArthur Boulevard, Oakland, California.

If you have any questions regarding this submission, please call (510) 874-3296.

Sincerely,

URS CORPORATION



Barbara J. Jakub, P.G.
Project Manager

Enclosure: First Quarter 2006 Groundwater Monitoring Report

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS

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

REPORT

FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT

ARCO SERVICE STATION #0276
10600 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

Prepared for
RM

March 7, 2006

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

Date: March 7, 2006

Quarter: 1Q 06

FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT

Facility No.:	0276	Address:	10600 MacArthur Boulevard, Oakland, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Barbara J. Jakub
Primary Agency:			Alameda County Environmental Health (ACEH)
ACEH Case #:			3756

WORK PERFORMED THIS QUARTER (First – 2006):

1. Performed the first quarter 2006 groundwater monitoring event on February 1, 2006.
2. Prepared and submitted this First Quarter 2006 Groundwater Monitoring Report.

WORK PROPOSED FOR NEXT QUARTER (Second – 2006):

1. Perform the second quarter 2006 groundwater monitoring event.
2. Prepare and submit the Second Quarter 2006 Groundwater Monitoring Report.

SITE SUMMARY:

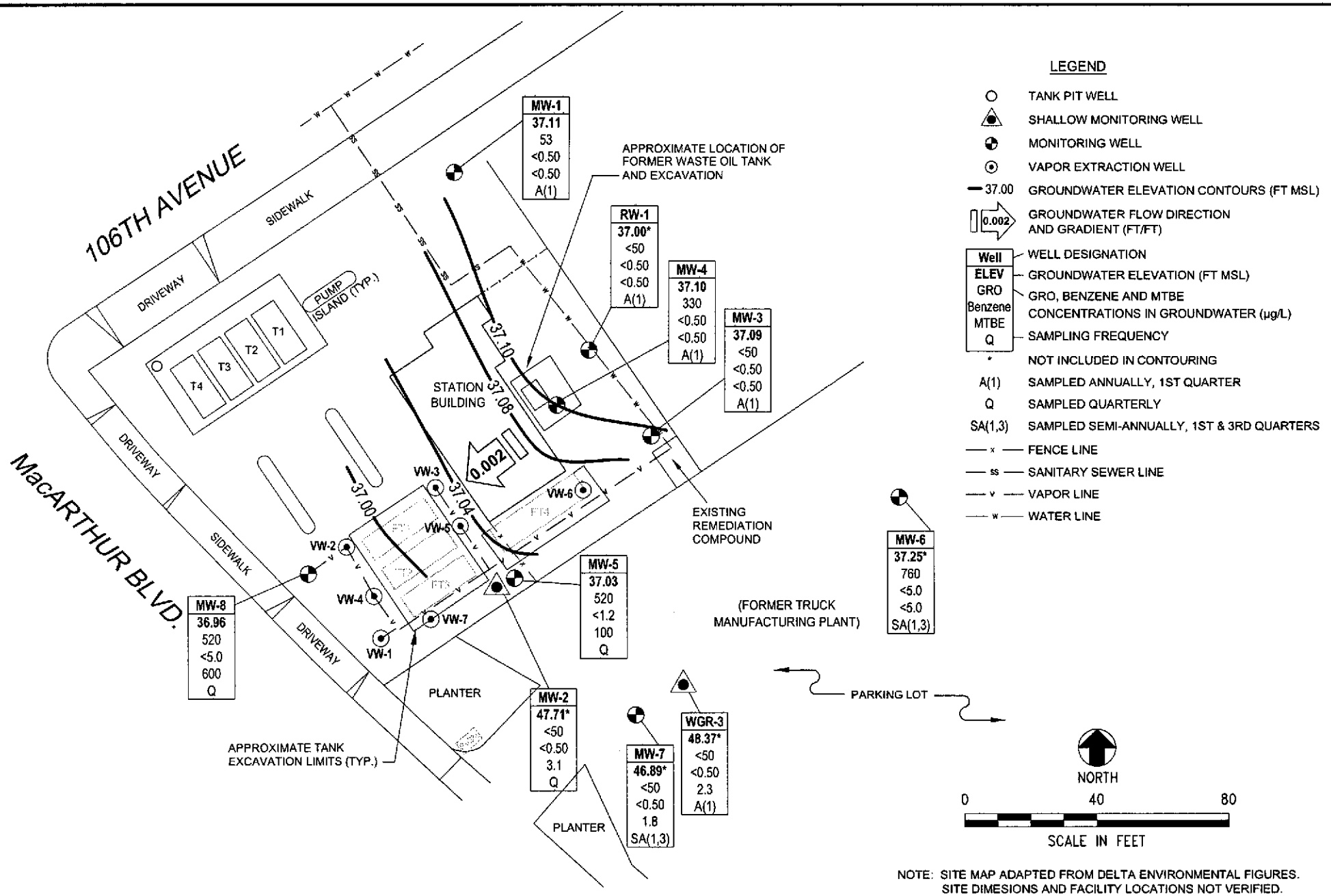
Current Phase of Project:	Groundwater monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-2, MW-5 and MW-8 Semi-annually (1st & 3rd quarter): MW-6 and MW-7 Annually (1st quarter): MW-1, MW-3, MW-4, WGR-3 and RW-1
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product Present On-Site:	No
Current Remediation Techniques:	None
Approximate Depth to Groundwater:	12.50 (MW-2) to 29.40 (MW-6) feet
Groundwater Gradient (direction):	Southwest
Groundwater Gradient (magnitude):	0.002 feet per foot

DISCUSSION:

Gasoline range organics were detected at or above the laboratory reporting limit in five of the ten wells sampled this quarter at concentrations ranging from 53 micrograms per liter (µg/L) (MW-1) to 760 µg/L (MW-6). Methyl tert-butyl ether was detected at or above the laboratory reporting limit in five wells at concentrations ranging from 1.8 µg/L (MW-7) to 600 µg/L (MW-8). Tert-amyl methyl ether was detected at or above the laboratory reporting limit in three wells at concentrations ranging from 0.52 µg/L (MW-2) to 21 µg/L (MW-8). 1,2-Dichloroethane was detected at or above the laboratory reporting limit in one well (MW-5) at a concentration of 7.4 µg/L. No other fuel components were detected at or above their respective laboratory reporting limits in any wells sampled this quarter.

ATTACHMENTS:

- Figure 1 - Groundwater Elevation Contour and Analytical Summary Map – February 1, 2006
- 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, Chain-of-Custody Records
- Attachment C - Historical Groundwater Data
- Attachment D - Error Check Reports and EDF/Geowell Submittal Confirmations



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

URS	Project No. 38487545 ARCO Service Station #0276 10600 MacArthur Boulevard Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP First Quarter 2006 (February 1, 2006)	FIGURE 1

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, 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	12/17/2000	--		55.92	23.50	28.50	29.16	26.76	5.09	---	---	---	---	--	--	--
	12/28/2001	--		55.92	23.50	28.50	27.38	28.54	8.8	---	---	---	---	--	--	--
	11/27/2002	NP		55.92	23.50	28.50	29.45	26.47	4.2	---	---	---	---	--	2.3	6.7
	7/22/2003	NP		55.92	23.50	28.50	27.58	28.34	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	6.7
	11/07/2003	NP		55.92	23.50	28.50	30.42	25.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.6
	02/03/2004	NP		55.92	23.50	28.50	38.80	17.12	--	--	--	--	--	--	1.5	--
	05/04/2004	NP	g	61.26	23.50	28.50	26.67	34.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.6
	08/12/2004	NP		61.26	23.50	28.50	29.49	31.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	6.6
	11/10/2004	NP		61.26	23.50	28.50	30.29	30.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.6
	02/03/2005	NP		61.26	23.50	28.50	26.23	35.03	--	--	--	--	--	--	0.89	--
	05/09/2005	--		61.26	23.50	28.50	22.93	38.33	--	--	--	--	--	--	--	--
	08/11/2005	--		61.26	23.50	28.50	26.11	35.15	--	--	--	--	--	--	--	--
	11/18/2005	--		61.26	23.50	28.50	29.14	32.12	--	--	--	--	--	--	--	--
	02/01/2006	**NP**	i	**61.26**	**23.50**	**28.50**	**24.15**	**37.11**	**53**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.6**	**6.7**
MW-2	12/17/2000	--		55.1	15.00	25.00	15.72	39.38	---	---	---	---	---	--	---	---
	12/28/2001	--		55.1	15.00	25.00	27.38	27.72	---	---	---	---	---	--	---	---
	11/27/2002	--		55.1	15.00	25.00	16.35	38.75	---	---	---	---	---	--	---	---
	7/22/2003	--		55.1	15.00	25.00	16.20	38.90	---	---	---	---	---	--	---	---
	11/07/2003	P		55.10	15.00	25.00	18.22	36.88	990	<5.0	<5.0	<5.0	<5.0	110	1.8	6.7
	02/03/2004	P		55.10	15.00	25.00	13.63	41.47	180	<2.5	<2.5	2.6	4.1	55	1.8	6.5
	05/04/2004	P	g	60.21	15.00	25.00	15.76	44.45	290	<2.5	<2.5	<2.5	<2.5	70	0.6	6.3
	08/12/2004	P		60.21	15.00	25.00	17.21	43.00	<250	<2.5	<2.5	3.2	<2.5	49	1.6	6.6
	11/10/2004	P		60.21	15.00	25.00	15.90	44.31	270	<1.0	<1.0	1.6	<1.0	90	0.9	6.2
	02/03/2005	P		60.21	15.00	25.00	14.29	45.92	480	1.7	<0.50	2.0	1.4	37	1.53	6.5
	05/09/2005	P		60.21	15.00	25.00	14.38	45.83	320	<0.50	<0.50	<0.50	0.64	56	0.57	6.5
	08/11/2005	P		60.21	15.00	25.00	15.97	44.24	320	<0.50	<0.50	<0.50	<0.50	50	1.0	6.3
	11/18/2005	P		60.21	15.00	25.00	17.66	42.55	990	3.2	0.64	3.8	1.6	49	3.23	6.5
	02/01/2006	**P**		**60.21**	**15.00**	**25.00**	**12.50**	**47.71**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**3.1**	**1.0**	**6.4**
MW-3	12/17/2000	--		56.55	22.00	27.00	29.78	26.77	158	---	---	---	---	--	--	--
	12/28/2001	--		56.55	22.00	27.00	27.95	28.60	310	20	1.5	13	---	--	--	--
	11/27/2002	NP		56.55	22.00	27.00	30.10	26.45	110	---	---	---	---	--	2.0	7.2
	7/22/2003	NP		56.55	22.00	27.00	28.32	28.23	120	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	5.9
	11/07/2003	NP		56.55	22.00	27.00	30.86	25.69	70	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	6.5

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, 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	02/03/2004	NP		56.55	22.00	27.00	27.65	28.90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.7
	05/04/2004	NP	g	61.89	22.00	27.00	27.57	34.32	<100	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	6.4
	08/12/2004	NP		61.89	22.00	27.00	30.31	31.58	52	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	6.3
	11/10/2004	NP		61.89	22.00	27.00	31.00	30.89	91	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.7
	02/03/2005	NP	i	61.89	22.00	27.00	26.85	35.04	180	<0.50	<0.50	<0.50	<0.50	<0.50	2.25	6.5
	05/09/2005	--		61.89	22.00	27.00	23.72	38.17	--	--	--	--	--	--	--	--
	08/11/2005	--		61.89	22.00	27.00	26.84	35.05	--	--	--	--	--	--	--	--
	11/18/2005	--		61.89	22.00	27.00	29.82	32.07	--	--	--	--	--	--	--	--
	02/01/2006	**NP**		**61.89**	**22.00**	**27.00**	**24.80**	**37.09**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.4**	**6.4**
MW-4	12/17/2000	--		55.98	25.00	45.00	29.22	26.76	225	---	---	---	---	--	--	--
	12/28/2001	--		55.98	25.00	45.00	27.37	28.61	160	1.2	---	---	---	--	--	--
	11/27/2002	NP		55.98	25.00	45.00	29.55	26.43	95	---	---	---	---	--	3.7	6.7
	7/22/2003	NP		55.98	25.00	45.00	27.73	28.25	130	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	6.6
	11/07/2003	NP		55.98	25.00	45.00	30.41	25.57	59	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.5
	02/03/2004	NP		55.98	25.00	45.00	27.01	28.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	7.1
	05/04/2004	NP	g	61.30	25.00	45.00	26.91	34.39	<100	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	6.5
	08/12/2004	NP		61.30	25.00	45.00	29.76	31.54	58	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	6.4
	11/10/2004	NP		61.30	25.00	45.00	30.40	30.90	69	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	6.6
	02/03/2005	NP	i	61.30	25.00	45.00	26.28	35.02	51	<0.50	<0.50	<0.50	<0.50	<0.50	3.77	6.8
	05/09/2005	--		61.30	25.00	45.00	23.14	38.16	--	--	--	--	--	--	--	--
	08/11/2005	--		61.30	25.00	45.00	26.23	35.07	--	--	--	--	--	--	--	--
	11/18/2005	--		61.30	25.00	45.00	29.24	32.06	--	--	--	--	--	--	--	--
	02/01/2006	**P**	I	**61.30**	**25.00**	**45.00**	**24.20**	**37.10**	**330**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.7**	**7.0**
MW-5	12/17/2000	--		55.43	23.50	31.50	28.82	26.61	1,040	---	---	---	---	--	--	--
	12/28/2001	--		55.43	23.50	31.50	26.91	28.52	3,200	190	2/4/1900	140	1.9/3.2/2.0	--	--	--
	11/27/2002	P		55.43	23.50	31.50	29.15	26.28	110	---	---	---	---	--	1.4	6.4
	7/22/2003	P		55.43	23.50	31.50	27.43	28.00	160	<1.0	<1.0	<1.0	<1.0	110	1.5	6.6
	11/07/2003	P		55.43	23.50	31.50	29.99	25.44	<250	<2.5	<2.5	<2.5	<2.5	120	0.6	6.2
	02/03/2004	P		55.43	23.50	31.50	26.55	28.88	85	<2.5	<2.5	<2.5	<2.5	71	1.7	6.7
	05/04/2004	P	g	60.73	23.50	31.50	26.47	34.26	<250	<2.5	<2.5	<2.5	<2.5	150	0.9	6.2
	08/12/2004	P		60.73	23.50	31.50	29.49	31.24	<250	<2.5	<2.5	<2.5	<2.5	140	1.8	6.3
	11/10/2004	P		60.73	23.50	31.50	30.15	30.58	170	<1.0	<1.0	<1.0	<1.0	150	1.0	6.3
	02/03/2005	P		60.73	23.50	31.50	25.85	34.88	100	<0.50	<0.50	<0.50	<0.50	16	1.65	6.5

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, 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	05/09/2005	P		60.73	23.50	31.50	22.85	37.88	340	<2.5	<2.5	<2.5	<2.5	140	0.87	6.3
	08/11/2005	P		60.73	23.50	31.50	26.05	34.68	<250	<2.5	<2.5	<2.5	<2.5	160	1.6	6.3
	11/18/2005	P		60.73	23.50	31.50	29.07	31.66	<250	<2.5	<2.5	<2.5	<2.5	120	1.98	6.3
	02/01/2006	**P**	i	**60.73**	**23.50**	**31.50**	**23.70**	**37.03**	**520**	**<1.2**	**<1.2**	**<1.2**	**<1.2**	**100**	**0.4**	**6.4**
MW-6	12/17/2000	--		61.21	37.50	56.00	34.61	26.60	---	---	---	---	---	--	---	---
	12/28/2001	--		61.21	37.50	56.00	32.80	28.41	---	---	---	---	---	--	---	---
	11/27/2002	--		61.21	37.50	56.00	35.00	26.21	---	---	---	---	---	--	---	---
	7/22/2003	--		61.21	37.50	56.00	33.17	28.04	---	---	---	---	---	--	---	---
	11/07/2003	P	d, e	61.21	37.50	56.00	35.70	25.51	<500	<5.0	<5.0	<5.0	<5.0	<5.0	2.7	6.9
	02/03/2004	P		61.21	37.50	56.00	32.17	29.04	84	<2.5	<2.5	<2.5	<2.5	<2.5	1.9	7.0
	05/04/2004	P	g	66.65	37.50	56.00	32.07	34.58	<250	<2.5	<2.5	<2.5	<2.5	<2.5	2.0	6.7
	08/12/2004	P		66.65	37.50	56.00	34.90	31.75	660	<0.50	<0.50	<0.50	<0.50	0.81	1.4	6.9
	11/10/2004	P		66.65	37.50	56.00	35.70	30.95	640	<0.50	<0.50	<0.50	<0.50	0.89	2.6	6.8
	02/03/2005	P	i	66.65	37.50	56.00	31.48	35.17	77	<0.50	<0.50	<0.50	<0.50	<0.50	1.73	7.0
	05/09/2005	--		66.65	37.50	56.00	28.37	38.28	--	--	--	--	--	--	--	--
	08/11/2005	P		66.65	37.50	56.00	31.40	35.25	630	<0.50	<0.50	<0.50	<0.50	0.77	1.9	6.3
	11/18/2005	--		66.65	37.50	56.00	34.50	32.15	--	--	--	--	--	--	--	--
	02/01/2006	**P**	i	**66.65**	**37.50**	**56.00**	**29.40**	**37.25**	**760**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**2.1**	**6.9**
MW-7	12/17/2000	--		58.22	17.50	37.50	19.94	38.28	---	---	---	---	---	--	---	---
	12/28/2001	--		58.22	17.50	37.50	17.29	40.93	---	---	---	---	---	--	---	---
	11/27/2002	--		58.22	17.50	37.50	21.30	36.92	---	---	---	---	---	--	---	---
	7/22/2003	--		58.22	17.50	37.50	21.36	36.86	---	---	---	---	---	--	---	---
	11/07/2003	P	d	58.22	17.50	37.50	23.76	34.46	3,200	15	<2.5	130	11	53	2.2	6.8
	02/03/2004	P		58.22	17.50	37.50	17.74	40.48	53	<0.50	<0.50	<0.50	0.54	32	1.9	6.4
	02/03/2005	P		63.54	17.50	37.50	18.13	45.41	61	<0.50	<0.50	<0.50	<0.50	14	3.39	6.5
	05/09/2005	--		63.54	17.50	37.50	18.39	45.15	--	--	--	--	--	--	--	--
	08/11/2005	P		63.54	17.50	37.50	21.47	42.07	1,500	1.8	<1.0	4.2	1.2	21	2.0	6.3
	11/18/2005	--		63.54	17.50	37.50	22.41	41.13	--	--	--	--	--	--	--	--
	02/01/2006	**P**		**63.54**	**17.50**	**37.50**	**16.65**	**46.89**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.8**	**1.3**	**6.3**
MW-8	12/17/2000	--		53.65	29.00	49.00	27.02	26.63	---	---	---	---	---	--	---	---
	12/28/2001	--		53.65	29.00	49.00	24.99	28.66	---	---	---	---	---	--	---	---
	11/27/2002	--		53.65	29.00	49.00	27.45	26.20	---	---	---	---	---	--	---	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, 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	7/22/2003	--		53.65	29.00	49.00	25.74	27.91	---	---	---	---	---	--	---	---
	11/07/2003	P		53.65	29.00	49.00	28.27	25.38	<500	<5.0	<5.0	<5.0	<5.0	440	2.6	6.5
	02/03/2004	P	f	53.65	29.00	49.00	24.80	28.85	170	<12	<12	<12	<12	470	3.0	6.7
	05/04/2004	P	g	58.96	29.00	49.00	24.81	34.15	<1,000	<10	<10	<10	<10	700	3.8	6.4
	08/12/2004	P		58.96	29.00	49.00	27.72	31.24	<2,500	<25	<25	<25	<25	400	3.4	6.5
	11/10/2004	P		58.96	29.00	49.00	28.41	30.55	<500	<5.0	<5.0	<5.0	<5.0	480	3.4	6.3
	02/03/2005	P		58.96	29.00	49.00	24.01	34.95	<50	<0.50	<0.50	<0.50	<0.50	45	1.43	6.4
	05/09/2005	P	i	58.96	29.00	49.00	21.07	37.89	640	<5.0	<5.0	<5.0	<5.0	440	1.06	6.4
	08/11/2005	P		58.96	29.00	49.00	24.32	34.64	<500	<5.0	<5.0	<5.0	<5.0	420	5.0	6.1
	11/18/2005	P		58.96	29.00	49.00	27.35	31.61	<500	<5.0	<5.0	<5.0	<5.0	390	3.51	6.4
	02/01/2006	**P**	i	**58.96**	**29.00**	**49.00**	**22.00**	**36.96**	**520**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**600**	**0.5**	**6.3**
RW-1	12/17/2000	--		56.32	36.00	51.00	29.57	26.75	---	---	---	---	---	--	---	---
	12/28/2001	--		56.32	36.00	51.00	27.64	28.68	---	---	---	---	---	--	---	---
	11/27/2002	--		56.32	36.00	51.00	29.93	26.39	---	---	---	---	---	--	---	---
	7/22/2003	--		56.32	36.00	51.00	28.09	28.23	---	---	---	---	---	--	---	---
	11/07/2003	P		56.32	36.00	51.00	30.64	25.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	7.0
	02/03/2004	P		56.32	36.00	51.00	27.28	29.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.7	7.1
	05/04/2004	P	g	61.65	36.00	51.00	27.16	34.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	6.8
	08/12/2004	P		61.65	36.00	51.00	30.10	31.55	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	7.1
	11/10/2004	P		61.65	36.00	51.00	30.79	30.86	<100	<0.50	<0.50	<0.50	<0.50	<0.50	5.7	6.9
	02/03/2005	P		61.65	36.00	51.00	26.61	35.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.57	7.1
	05/09/2005	--		61.65	36.00	51.00	23.51	38.14	--	--	--	--	--	--	--	--
	08/11/2005	--		61.65	36.00	51.00	26.60	35.05	--	--	--	--	--	--	--	--
	11/18/2005	--		61.65	36.00	51.00	29.65	32.00	--	--	--	--	--	--	--	--
	02/01/2006	**P**		**61.65**	**36.00**	**51.00**	**24.65**	**37.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.5**	**7.0**
WGR-3	12/17/2000	--		---	--	--	19.21	---	---	---	---	---	---	--	---	---
	12/28/2001	--	h	---	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/2002	--		---	--	--	20.60	---	---	---	---	---	---	--	---	---
	7/22/2003	--		---	--	--	20.77	---	---	---	---	---	---	--	---	---
	05/04/2004	P	g	63.27	--	--	19.53	43.74	<50	<0.50	<0.50	<0.50	<0.50	11	1.8	6.5
	08/12/2004	P		63.27	--	--	22.20	41.07	<50	<0.50	<0.50	<0.50	<0.50	35	2.0	--
	11/10/2004	P		63.27	--	--	19.98	43.29	<50	<0.50	<0.50	<0.50	<0.50	5.6	0.3	6.3
	02/03/2005	P		63.27	--	--	16.91	46.36	<50	<0.50	<0.50	<0.50	<0.50	1.1	2.04	6.5

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, 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
WGR-3	05/09/2005	--		63.27	--	--	17.29	45.98	--	--	--	--	--	--	--	--
	08/11/2005	--		63.27	--	--	20.88	42.39	--	--	--	--	--	--	--	--
	11/18/2005	--		63.27	--	--	22.15	41.12	--	--	--	--	--	--	--	--
	02/01/2006	**P**		**63.27**	**--**	**--**	**14.90**	**48.37**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**2.3**	**2.0**	**6.5**

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, CA

SYMBOLS & ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above laboratory reporting limit
BTEX = Benzene, toluene, ethylbenzene and xylenes
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
GRO = Gasoline range organics
GWE = Groundwater elevation measured in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Not purged prior to sampling
P = Purged prior to sampling
TOC = Top of casing measured in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter

FOOTNOTES:
a = 1,1 DCE; this footnote is no longer applicable.
b = 1,2 DCA; this footnote is no longer applicable.
c = Chlorobenzene; this footnote is no longer applicable.
d = Sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was performed past the recommended hold time. Results may still be used for intended purpose.
e = The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
f = Discrete peak @ C5 for GRO/TPH-g.
g = Site was re-surveyed to NAVD' 88 on January 26, 2004.
h = Well was dry.
i = Hydrocarbon result for GRO partly due to individual peak(s) in quantitative range.

NOTES:
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 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.

Groundwater samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE.

Values for pH and DO levels are field measurements.

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, 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)	trans-1,2 DCE (µg/L)	cis-1,2 DCE (µg/L)	VOC (µg/L)	Oxygen (µg/L)	PCE (µg/L)	TCE (µg/L)	Footnotes/ Comments
MW-1	12/17/2000	---	---	--	---	---	---	---	---	--	--	--	--	5.09	--	
	12/28/2001	---	---	--	---	---	---	---	---	--	--	--	--	8.8	--	
	11/27/2002	---	---	--	---	---	---	---	---	--	--	--	--	4.2	--	
	7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	6.0	--	
	11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	3.0	--	
	05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	34	--	
	08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	4.5	--	
	11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	4.9	--	
	02/01/2006	**<300**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**--**	**--**	**--**	**--**	**38**	**--**	e
MW-2	11/07/2003	<1,000	<200	110	<5.0	<5.0	28	--	--	--	--	--	--	<5.0	--	
	02/03/2004	<500	<100	55	<5.0	<5.0	16	<2.5	<2.5	--	--	--	--	<2.5	--	
	05/04/2004	<500	<100	70	<2.5	<2.5	15	<2.5	<2.5	--	--	--	--	<2.5	--	
	08/12/2004	<500	<100	49	<2.5	<2.5	14	<2.5	<2.5	--	--	--	--	<0.50	--	
	11/10/2004	<200	<40	90	<1.0	<1.0	19	<1.0	<1.0	--	--	--	--	<1.0	--	
	02/03/2005	<100	<20	37	<0.50	<0.50	13	<0.50	<0.50	--	--	--	--	<0.50	--	e
	05/09/2005	<100	<20	56	<0.50	<0.50	17	<0.50	<0.50	--	--	--	--	<0.50	--	e
	08/11/2005	<100	<20	50	<0.50	<0.50	8.5	<0.50	<0.50	--	--	--	--	<0.50	--	
	11/18/2005	<100	<20	49	<0.50	<0.50	11	<0.50	<0.50	--	--	--	--	<0.50	--	f
	02/01/2006	**<300**	**<20**	**3.1**	**<0.50**	**<0.50**	**0.52**	**<0.50**	**<0.50**	**--**	**--**	**--**	**--**	**<0.50**	**--**	e
MW-3	12/17/2000	---	---	--	---	---	---	---	---	--	--	--	--	158	--	
	12/28/2001	---	---	--	---	---	---	---	---	1.5	13	--	--	310	20	
	11/27/2002	---	---	--	---	---	---	---	---	--	--	--	--	110	--	
	7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	80	--	
	11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	80	--	
	02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	--	--	--	--	110	--	
	05/04/2004	<200	<40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	110	--	
	08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	61	--	
	11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	99	--	
	02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	160	--	e
	02/01/2006	**<300**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**--**	**--**	**--**	**--**	**110**	**--**	e
MW-4	12/17/2000	---	---	--	---	---	---	---	---	--	--	--	--	225	--	
	12/28/2001	---	---	--	---	---	---	---	---	--	--	--	--	160	1.2	
	11/27/2002	---	---	--	---	---	---	---	---	--	--	--	--	95	--	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, 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)	trans-1,2 DCE (µg/L)	cis-1,2 DCE (µg/L)	VOC (µg/L)	Oxygen (µg/L)	PCE (µg/L)	TCE (µg/L)	Footnotes/ Comments
MW-4	7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	94	--	
	11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	68	--	
	02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	--	--	--	--	83	--	
	05/04/2004	<200	<40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	81	--	
	08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	59	--	
	11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	78	--	
	02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	61	--	e
	02/01/2006	**<300**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**--**	**--**	**--**	**--**	**320**	**--**	**e**
MW-5	12/17/2000	---	---	--	---	---	---	---	---	--	--	--	--	1,040	--	
	12/28/2001	---	---	--	---	---	---	---	---	36	140	1.9, 3.2, 2.0	--	3,200	190	a,b,c
	11/27/2002	---	---	--	---	---	---	---	---	--	--	--	--	110	--	
	7/22/2003	<200	<40	110	1.4	<1.0	3.2	12	<1.0	--	--	--	--	55	--	
	11/07/2003	<500	<100	120	<2.5	<2.5	6.6	--	--	--	--	--	--	42	--	
	02/03/2004	<500	<100	71	<5.0	<5.0	<5.0	12	<2.5	--	--	--	--	130	--	
	05/04/2004	<500	<100	150	<2.5	<2.5	5.9	8.8	<2.5	--	--	--	--	36	--	
	08/12/2004	<500	<100	140	<2.5	<2.5	10	10	<2.5	--	--	--	--	37	--	
	11/10/2004	<200	<40	150	1.1	<1.0	9.5	9.8	<1.0	--	--	--	--	50	--	
	02/03/2005	<100	<20	16	<0.50	<0.50	0.54	2.7	<0.50	--	--	--	--	480	--	e
	05/09/2005	<500	<100	140	<2.5	<2.5	9.2	10	<2.5	--	--	--	--	78	--	e
	08/11/2005	<500	<100	160	<2.5	<2.5	10	9.6	<2.5	--	--	--	--	27	--	
	11/18/2005	<500	<100	120	<2.5	<2.5	9.2	10	<2.5	--	--	--	--	19	--	f
	02/01/2006	**<750**	**<50**	**100**	**<1.2**	**<1.2**	**5.1**	**7.4**	**<1.2**	**--**	**--**	**--**	**--**	**470**	**--**	**e**
MW-6	11/07/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	560	--	
	02/03/2004	<500	<100	<2.5	<5.0	<5.0	<5.0	<2.5	<2.5	--	--	--	--	220	--	
	05/04/2004	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	--	210	--	
	08/12/2004	<100	<20	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	750	--	
	11/10/2004	<100	<20	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	530	--	
	02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	85	--	e
	08/11/2005	<100	<20	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	610	--	
	02/01/2006	**<3,000**	**<200**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**--**	**--**	**--**	**--**	**690**	**--**	**e**
MW-7	11/07/2003	<500	<100	53	<2.5	<2.5	13	--	--	--	--	--	--	<2.5	--	
	02/03/2004	<100	<20	32	<1.0	<1.0	7.4	<0.50	<0.50	--	--	--	--	0.74	--	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, 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)	trans-1,2 DCE (µg/L)	cis-1,2 DCE (µg/L)	VOC (µg/L)	Oxygen (µg/L)	PCE (µg/L)	TCE (µg/L)	Footnotes/ Comments
MW-7	02/03/2005	<100	<20	14	<0.50	<0.50	3.9	<0.50	<0.50	--	--	--	--	1.6	--	e
	08/11/2005	<200	<40	21	<1.0	<1.0	4.7	<1.0	<1.0	--	--	--	--	1.0	--	e
	02/01/2006	**<300**	**<20**	**1.8**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**--**	**--**	**--**	**--**	**0.71**	**--**	**e**
MW-8	11/07/2003	<1,000	<200	440	<5.0	<5.0	18	--	--	--	--	--	--	<5.0	--	
	02/03/2004	<2,500	<500	470	<25	<25	<25	<12	<12	--	--	--	--	<12	--	
	05/04/2004	<2,000	<400	700	<10	<10	21	<10	<10	--	--	--	--	12	--	
	08/12/2004	<5,000	<1,000	400	<25	<25	<25	<25	<25	--	--	--	--	1.1	--	
	11/10/2004	<1,000	<200	480	<5.0	<5.0	21	<5.0	<5.0	--	--	--	--	8.9	--	
	02/03/2005	<100	<20	45	<0.50	<0.50	1.9	<0.50	<0.50	--	--	--	--	0.59	--	e
	05/09/2005	<1,000	<200	440	<5.0	<5.0	21	<5.0	<5.0	--	--	--	--	<5.0	--	e
	08/11/2005	<1,000	<200	420	<5.0	<5.0	24	<5.0	<5.0	--	--	--	--	<0.50	--	e
	11/18/2005	<1,000	<200	390	<5.0	<5.0	23	<5.0	<5.0	--	--	--	--	4.2	--	f
	02/01/2006	**<3,000**	**<200**	**600**	**<5.0**	**<5.0**	**21**	**<5.0**	**<5.0**	**--**	**--**	**--**	**--**	**<0.50**	**--**	**e**
RW-1	11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	3.1	--	
	02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	--	--	--	--	0.76	--	
	05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	1.8	--	
	08/12/2004	330/<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	2.9	--	d
	11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	5.2	--	
	02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	1.7	--	e
	02/01/2006	**<300**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**--**	**--**	**--**	**--**	**1.7**	**--**	**e**
WGR-3	05/04/2004	<100	<20	11	<0.50	<0.50	2.4	<0.50	<0.50	--	--	--	--	<0.50	--	
	08/12/2004	<100	<20	35	<0.50	<0.50	7.5	<0.50	<0.50	--	--	--	--	<0.50	--	
	11/10/2004	<100	<20	5.6	<0.50	<0.50	1.3	<0.50	<0.50	--	--	--	--	<0.50	--	
	02/03/2005	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	<0.50	--	e
	02/01/2006	**<300**	**<20**	**2.3**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**--**	**--**	**--**	**--**	**<0.50**	**--**	**e**

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, CA

SYMBOLS & ABBREVIATIONS:
– = Not analyzed/applicable/measured/available
< = Not detected at or above the laboratory reporting limit
1,2-DCA = 1,2-Dichloroethane
cis-1,2-DCE = cis-1,2-Dichloroethene
DIPE = Di-isopropyl ether
EDB = 1,2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
PCE = Tetrachloroethene
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol
TCE = Trichloroethene
trans-1,2-DCE = trans 1,2-Dichloroethene
VOC = Volatile organic compounds
µg/L = Micrograms per Liter
BTEX = Benzene, toluene, ethylbenzene and xylenes

FOOTNOTES:
a = VOC 1,1 DCE detected at a concentration of 1.9 ug/L.
b = VOC 1,2 DCA detected at a concentration of 3.2 ug/L.
c = VOC Chlorobenzene detected at a concentration of 2.0 ug/L.
d = Ethanol was re-analyzed two days out of holding time and was not detected above a laboratory reporting limit of 100 ug/L.
e = Calibration verification for ethanol was within method limits but outside contract limits.
f = Sample for PCE analyzed after holding time expired.

NOTES:
PCE was analyzed using EPA Method 8260B. Samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE.

Table 3

Groundwater Gradient Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
12/17/2000	South-Southeast	0.003
12/28/2001	Southeast	0.002
11/27/2002	South-Southeast	0.003
7/22/2003	South	0.007
11/7/2003	Southwest	0.002
2/3/2004	South-Southwest	0.002
5/4/2004	South-Southwest	0.003
8/12/2004	South	0.004
11/10/2004	Southwest	0.004
2/3/2005	Southwest	0.003
5/9/2005	South-Southwest	0.004
8/11/2005	South-Southwest	0.007
11/18/2005	Southwest	0.005
2/1/2006	**Southwest**	**0.002**

The data within this table collected prior to November 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 # 060201-SL1 Date 02/01/06 Client Arco 276

Site 10600 MacArthur Blvd Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC (TOC circled)	
MW-1	2					24.15	38.80	↓	NP 19' [illegible]
MW-2	4					12.50	25.30	↓	
MW-3	2					24.80	38.60	↓	NP 22'
MW-4	2					24.20	47.75	↓	NP 25'
MW-5	4					23.70	46.85	↓	
MW-6	2					29.40	48.35	↓	
MW-7	2					16.65	36.75	↓	
MW-8	4					22.00	47.90	↓	
RW-1	6					24.65	48.70	↓	
WGR3	4					14.90	27.10	↓	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060201-SL1	Station # 276
Sampler: Sharon	Date: 02/01/06
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 38.80	Depth to Water: 24.15
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 / X Disposable Bailer / Extraction Port / Other: ___

Top of Screen: 19'

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0830	65.1	6.7	2065	~~	clear

Did well dewater? Yes / ~~No~~ Gallons actually evacuated: ~~

Sampling Time: 0830 Sampling Date: 02/02/06

Sample I.D.: MW-1 Laboratory: Pace (Sequoia) Other ___

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	1.6 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060201-SL1	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 25.30	Depth to Water: 7.50
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
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: _____

Top of Screen: _____

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

8.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 24.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1242	61.5	6.5	1166	8.3	clear
1244	62.8	6.5	347	16.6	"
1245	63.1	6.4	300	24.9	

Did well dewater? Yes (No) Gallons actually evacuated: 25

Sampling Time: 1250 Sampling Date: 02/01/06

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

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.0	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060201-SL1	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 38.60	Depth to Water: 24.80
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 / X Disposable Bailer / Extraction Port / Other: ___

Top of Screen: 22'

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0920	60.1	6.4	1050	✓	clear

Did well dewater? Yes / No ✓ Gallons actually evacuated: ✓

Sampling Time: 0920 Sampling Date: 02/01/06

Sample I.D.: (MW-3) 02 MW-3 Laboratory: Pace (Sequoia) Other ___

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

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 #: 060201-SL1	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: ~~38.80~~ 47.75	Depth to Water: 24.20
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
- X Positive Air Displacement
- Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: ___

Top of Screen: 25'

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

3.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = ~~10~~ 11.4 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0930	62.6	6.8	1410	3.8	clear
0940	62.2	6.9	1573	7.6	"
0950	61.1	7.0	1595	11.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 11.4

Sampling Time: 0955 Sampling Date: 02/01/06

Sample I.D.: ~~02/01/06~~ MW-4 Laboratory: Pace (Sequoia) Other ___

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge:)	1.7 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060201-SU	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 46.85	Depth to Water: 23.70
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
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X 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.

15.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 45 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1213	63.1	6.5	1098	15.0	cloudy
1216	64.3	6.4	1111	30.0	"
1219	65.1	6.4	1133	45.0	clear

Did well dewater? Yes (No) Gallons actually evacuated: 45

Sampling Time: 1225 Sampling Date: 02/01/06

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

Analyzed for: (GRO) (BTEX) MTBE (DRO) (Oxy's) (1,2-DC) (EDB) (Ethanol) Other:

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060201-SL1	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 48.35	Depth to Water: 29.40
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
- X Positive Air Displacement
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X 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.

3.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1130	64.0	6.8	1419	3.0	clear
1135	63.1	6.8	1567	6.0	cloudy
1140	62.3	6.9	1546	9.0	"

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

Sampling Time: 1145 Sampling Date: 02/01/06

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

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	2.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060201-SU	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 36.75	Depth to Water: 16.65
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	radius^2 * 0.163

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

Sampling Method:
- Bailer
- X 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.

3.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1110	63.4	6.5	425	3.2	cloudy Brown
1115	64.6	6.3	418	6.4	" "
1120	64.4	6.3	423	9.6	" "

Did well dewater? Yes (No) Gallons actually evacuated: 96

Sampling Time: 1125 Sampling Date: 02/01/06

Sample I.D.: MW-7 Laboratory: Pace (Sequoia) Other _____

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

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 #: 060201-SC1	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 47.9	Depth to Water: 27.00
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
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X 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.

16.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 50.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1306	65.3	6.3	662	16.8	cloudy
1309	67.0	6.3	667	33.6	"
1312	67.6	6.3	690	50.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 50.4

Sampling Time: 1320 Sampling Date: 02/01/06

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

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.5 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060201-SU	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth: 48.70	Depth to Water: 24.65
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
- X Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X 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.

35.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 106.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1015	60.3	7.0	1509	35.4	clear, odor
1022	61.9	7.0	1365	70.8	" "
1029	61.9	7.0	1335	106.2	" "

Did well dewater? Yes (No) Gallons actually evacuated: 106.2

Sampling Time: 1035 Sampling Date: 02/01/06

Sample I.D.: RW-1 Laboratory: Pace (Sequoia) Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.5	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060201-SL	Station # 276
Sampler: Shawn	Date: 02/01/06
Well I.D.: WGR-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 27.10	Depth to Water: 14.90
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
- X Electric Submersible
- (6) X Extraction Pump
- Other: ____

Sampling Method:
- Bailer
- X 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.

7.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 23.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1047	64.7	6.7	496	7.9	clear
1048	66.2	6.5	456	15.8	cloudy
1050	66.3	6.5	458	23.7	dark

Did well dewater? Yes (No) Gallons actually evacuated: 23.7

Sampling Time: 1055 Sampling Date: 02/01/06

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

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	2.0	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:

276

Station #

10600 MacArthur Blvd Oakland

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

281 92

added equip. rinse water _____

any other adjustments _____

TOTAL GALS. RECOVERED 281

loaded onto BTS vehicle # 22

BTS event # 060201-SC1

time _____

date 02/01/06

signature SLZ

* *

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

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

24 February, 2006

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

RE: ARCO #0276, Oakland, CA
Work Order: MPB0080

Enclosed are the results of analyses for samples received by the laboratory on 02/01/06 19:00. 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.

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MPB0080-01	Water	02/01/06 08:30	02/01/06 19:00
MW-2	MPB0080-02	Water	02/01/06 12:50	02/01/06 19:00
MW-3	MPB0080-03	Water	02/01/06 09:20	02/01/06 19:00
MW-4	MPB0080-04	Water	02/01/06 09:55	02/01/06 19:00
MW-5	MPB0080-05	Water	02/01/06 12:25	02/01/06 19:00
MW-6	MPB0080-06	Water	02/01/06 11:45	02/01/06 19:00
MW-7	MPB0080-07	Water	02/01/06 11:25	02/01/06 19:00
MW-8	MPB0080-08	Water	02/01/06 13:20	02/01/06 19:00
RW-1	MPB0080-09	Water	02/01/06 10:35	02/01/06 19:00
WGR-3	MPB0080-10	Water	02/01/06 10:55	02/01/06 19:00
TB-276-02012006	MPB0080-11	Water	02/01/06 00:00	02/01/06 19:00

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.

Sequoia Analytical

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

URS Corporation [Arco]	Project: ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number: G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager: Barbara Jakub	02/24/06 12:45

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MPB0080-01) Water Sampled: 02/01/06 08:30 Received: 02/01/06 19:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B15003	02/15/06	02/15/06	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	300	"	"	"	"	"	"	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)	**53**	50	"	"	"	"	"	"	PV
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*60-135*		"	"	"	"	
MW-2 (MPB0080-02) Water Sampled: 02/01/06 12:50 Received: 02/01/06 19:00									
tert-Amyl methyl ether	**0.52**	0.50	ug/l	1	6B15003	02/15/06	02/15/06	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	300	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.1**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*60-135*		"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MPB0080-03) Water Sampled: 02/01/06 09:20 Received: 02/01/06 19:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B15003	02/15/06	02/15/06	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	300	"	"	"	"	"	"	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		*123 %*	*60-135*		"	"	"	"	
MW-4 (MPB0080-04) Water Sampled: 02/01/06 09:55 Received: 02/01/06 19:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B15003	02/15/06	02/15/06	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	300	"	"	"	"	"	"	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)	**330**	50	"	"	"	"	"	"	PV
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*60-135*		"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MPB0080-05) Water Sampled: 02/01/06 12:25 Received: 02/01/06 19:00									
tert-Amyl methyl ether	**5.1**	1.2	ug/l	2.5	6B15003	02/15/06	02/15/06	EPA 8260B	
Benzene	ND	1.2	"	"	"	"	"	"	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.2	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.2	"	"	"	"	"	"	
1,2-Dichloroethane	**7.4**	1.2	"	"	"	"	"	"	
Ethanol	ND	750	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	1.2	"	"	"	"	"	"	
Ethylbenzene	ND	1.2	"	"	"	"	"	"	
Methyl tert-butyl ether	**100**	1.2	"	"	"	"	"	"	
Toluene	ND	1.2	"	"	"	"	"	"	
Xylenes (total)	ND	1.2	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**520**	120	"	"	"	"	"	"	PV
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*60-135*		"	"	"	"	
MW-6 (MPB0080-06) Water Sampled: 02/01/06 11:45 Received: 02/01/06 19:00									
tert-Amyl methyl ether	ND	5.0	ug/l	10	6B15003	02/15/06	02/15/06	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	3000	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**760**	500	"	"	"	"	"	"	PV
Surrogate: 1,2-Dichloroethane-d4		*123 %*	*60-135*		"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MPB0080-07) Water Sampled: 02/01/06 11:25 Received: 02/01/06 19:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B15003	02/15/06	02/15/06	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	300	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.8**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*123 %*	*60-135*		"	"	"	"	
MW-8 (MPB0080-08) Water Sampled: 02/01/06 13:20 Received: 02/01/06 19:00									
tert-Amyl methyl ether	**21**	5.0	ug/l	10	6B15003	02/15/06	02/15/06	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	3000	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**600**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**520**	500	"	"	"	"	"	"	PV
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*60-135*		"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 (MPB0080-09) Water Sampled: 02/01/06 10:35 Received: 02/01/06 19:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B15003	02/15/06	02/15/06	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	300	"	"	"	"	"	"	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		*118 %*	*60-135*		"	"	"	"	
WGR-3 (MPB0080-10) Water Sampled: 02/01/06 10:55 Received: 02/01/06 19:00									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6B15003	02/15/06	02/15/06	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	300	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*125 %*	*60-135*		"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

EPA 8010 list Volatile Organic Compounds by EPA 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MPB0080-01) Water Sampled: 02/01/06 08:30 Received: 02/01/06 19:00									
Tetrachloroethene	**38**	2.5	ug/l	5	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*111 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-120*		"	"	"	"	
MW-2 (MPB0080-02) Water Sampled: 02/01/06 12:50 Received: 02/01/06 19:00									
Tetrachloroethene	ND	0.50	ug/l	1	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*111 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*70-120*		"	"	"	"	
MW-3 (MPB0080-03RE1) Water Sampled: 02/01/06 09:20 Received: 02/01/06 19:00									**CL**
Tetrachloroethene	**110**	2.5	ug/l	5	6B17029	02/16/06	02/17/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*96 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*70-120*		"	"	"	"	
MW-4 (MPB0080-04) Water Sampled: 02/01/06 09:55 Received: 02/01/06 19:00									
Tetrachloroethene	**320**	2.5	ug/l	5	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*104 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78 %*	*70-120*		"	"	"	"	
MW-5 (MPB0080-05) Water Sampled: 02/01/06 12:25 Received: 02/01/06 19:00									
Tetrachloroethene	**470**	5.0	ug/l	10	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*112 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*117 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*70-120*		"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

EPA 8010 list Volatile Organic Compounds by EPA 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MPB0080-06) Water Sampled: 02/01/06 11:45 Received: 02/01/06 19:00									
Tetrachloroethene	**690**	5.0	ug/l	10	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*113 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*70-120*		"	"	"	"	
MW-7 (MPB0080-07) Water Sampled: 02/01/06 11:25 Received: 02/01/06 19:00									
Tetrachloroethene	**0.71**	0.50	ug/l	1	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*111 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*117 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*70-120*		"	"	"	"	
MW-8 (MPB0080-08) Water Sampled: 02/01/06 13:20 Received: 02/01/06 19:00									
Tetrachloroethene	ND	0.50	ug/l	1	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*111 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*116 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-120*		"	"	"	"	
RW-1 (MPB0080-09) Water Sampled: 02/01/06 10:35 Received: 02/01/06 19:00									
Tetrachloroethene	**1.7**	0.50	ug/l	1	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*107 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*70-120*		"	"	"	"	
WGR-3 (MPB0080-10) Water Sampled: 02/01/06 10:55 Received: 02/01/06 19:00									
Tetrachloroethene	ND	0.50	ug/l	1	6B15004	02/15/06	02/15/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*110 %*	*65-130*		"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*70-120*		"	"	"	"	

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

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 6B15003 - EPA 5030B P/T / EPA 8260B										
Blank (6B15003-BLK1)				Prepared & Analyzed: 02/15/06						
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	300	"							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	*5.37*		"	*5.00*		*107*	*60-135*			
Laboratory Control Sample (6B15003-BS1)				Prepared & Analyzed: 02/15/06						
tert-Amyl methyl ether	17.4	0.50	ug/l	16.3		107	80-115			
Benzene	4.96	0.50	"	5.04		98	65-115			
tert-Butyl alcohol	154	20	"	169		91	75-150			
Di-isopropyl ether	16.8	0.50	"	16.2		104	75-125			
1,2-Dibromoethane (EDB)	16.5	0.50	"	16.6		99	85-120			
1,2-Dichloroethane	17.6	0.50	"	15.5		114	85-130			
Ethanol	185	300	"	165		112	70-135			IC
Ethyl tert-butyl ether	17.1	0.50	"	16.4		104	75-130			
Ethylbenzene	6.11	0.50	"	7.28		84	75-135			
Methyl tert-butyl ether	8.21	0.50	"	7.84		105	65-125			
Toluene	40.3	0.50	"	38.0		106	85-120			
Xylenes (total)	40.0	0.50	"	40.8		98	85-125			
Gasoline Range Organics (C4-C12)	410	50	"	440		93	60-140			
Surrogate: 1,2-Dichloroethane-d4	*5.86*		"	*5.00*		*117*	*60-135*			

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

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 6B15003 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (6B15003-MS1)	**Source: MPB0080-08**			Prepared & Analyzed: 02/15/06						
tert-Amyl methyl ether	198	5.0	ug/l	163	21	109	80-115			
Benzene	46.0	5.0	"	50.4	ND	91	65-115			
tert-Butyl alcohol	1640	50	"	1690	61	93	75-120			
Di-isopropyl ether	159	5.0	"	162	ND	98	75-125			
1,2-Dibromoethane (EDB)	167	5.0	"	166	ND	101	85-120			
1,2-Dichloroethane	176	5.0	"	155	ND	114	85-130			
Ethanol	1800	1000	"	1650	ND	109	70-135			IC
Ethyl tert-butyl ether	162	5.0	"	164	ND	99	75-130			
Ethylbenzene	64.6	5.0	"	72.8	ND	89	75-135			
Methyl tert-butyl ether	661	5.0	"	78.4	600	78	65-125			
Toluene	383	5.0	"	380	ND	101	85-120			
Xylenes (total)	402	5.0	"	408	ND	99	85-125			
Gasoline Range Organics (C4-C12)	4250	500	"	4400	520	85	60-140			
Surrogate: 1,2-Dichloroethane-d4	*5.66*		"	*5.00*		*113*	*60-135*			
Matrix Spike Dup (6B15003-MSD1)	**Source: MPB0080-08**			Prepared & Analyzed: 02/15/06						
tert-Amyl methyl ether	207	5.0	ug/l	163	21	114	80-115	4	15	
Benzene	49.5	5.0	"	50.4	ND	98	65-115	7	20	
tert-Butyl alcohol	1600	50	"	1690	61	91	75-120	2	25	
Di-isopropyl ether	167	5.0	"	162	ND	103	75-125	5	15	
1,2-Dibromoethane (EDB)	164	5.0	"	166	ND	99	85-120	2	15	
1,2-Dichloroethane	174	5.0	"	155	ND	112	85-130	1	20	
Ethanol	1760	1000	"	1650	ND	107	70-135	2	35	IC
Ethyl tert-butyl ether	168	5.0	"	164	ND	102	75-130	4	25	
Ethylbenzene	65.5	5.0	"	72.8	ND	90	75-135	1	15	
Methyl tert-butyl ether	648	5.0	"	78.4	600	61	65-125	2	20	BB,LN
Toluene	398	5.0	"	380	ND	105	85-120	4	20	
Xylenes (total)	424	5.0	"	408	ND	104	85-125	5	20	
Gasoline Range Organics (C4-C12)	4230	500	"	4400	520	84	60-140	0.5	25	
Surrogate: 1,2-Dichloroethane-d4	*5.25*		"	*5.00*		*105*	*60-135*			

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

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 6B18014 - EPA 5030B P/T / EPA 8260B										
Blank (6B18014-BLK1)				Prepared & Analyzed: 02/18/06						
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	300	"							
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	*2.53*		"	*2.50*		*101*	*60-135*			
Laboratory Control Sample (6B18014-BS1)				Prepared & Analyzed: 02/18/06						
tert-Amyl methyl ether	8.23	0.50	ug/l	10.0		82	80-115			
Benzene	9.32	0.50	"	10.0		93	65-115			
tert-Butyl alcohol	146	20	"	200		73	75-150			HM
Di-isopropyl ether	9.78	0.50	"	10.0		98	75-125			
1,2-Dibromoethane (EDB)	9.16	0.50	"	10.0		92	85-120			
1,2-Dichloroethane	8.73	0.50	"	10.0		87	85-130			
Ethanol	181	300	"	200		90	70-135			
Ethyl tert-butyl ether	8.18	0.50	"	10.0		82	75-130			
Ethylbenzene	8.58	0.50	"	10.0		86	75-135			
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	65-125			
Toluene	8.48	0.50	"	10.0		85	85-120			
Xylenes (total)	25.9	0.50	"	30.0		86	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-135*			

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

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 6B18014 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (6B18014-BSD1)				Prepared & Analyzed: 02/18/06						
tert-Amyl methyl ether	8.50	0.50	ug/l	10.0		85	80-115	3	15	
Benzene	9.25	0.50	"	10.0		92	65-115	0.8	20	
tert-Butyl alcohol	160	20	"	200		80	75-150	9	25	
Di-isopropyl ether	9.87	0.50	"	10.0		99	75-125	0.9	15	
1,2-Dibromoethane (EDB)	9.55	0.50	"	10.0		96	85-120	4	15	
1,2-Dichloroethane	8.73	0.50	"	10.0		87	85-130	0	20	
Ethanol	241	300	"	200		120	70-135	28	35	
Ethyl tert-butyl ether	8.39	0.50	"	10.0		84	75-130	3	25	
Ethylbenzene	8.80	0.50	"	10.0		88	75-135	3	15	
Methyl tert-butyl ether	9.15	0.50	"	10.0		92	65-125	11	20	
Toluene	8.58	0.50	"	10.0		86	85-120	1	20	
Xylenes (total)	25.9	0.50	"	30.0		86	85-125	0	20	
Surrogate: 1,2-Dichloroethane-d4	*2.33*		"	*2.50*		*93*	*60-135*			

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

EPA 8010 list Volatile Organic Compounds by EPA 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6B15004 - EPA 5030B P/T / EPA 8260B										
Blank (6B15004-BLK1)				Prepared & Analyzed: 02/15/06						
Freon 113	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	"							
Surrogate: Dibromofluoromethane	*5.54*		"	*5.00*		*111*	*65-130*			
Surrogate: Toluene-d8	*5.47*		"	*5.00*		*109*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*4.83*		"	*5.00*		*97*	*70-120*			
Laboratory Control Sample (6B15004-BS1)				Prepared & Analyzed: 02/15/06						
Tetrachloroethene	12.2	0.50	ug/l	10.0		122	85-125			
Surrogate: Dibromofluoromethane	*5.74*		"	*5.00*		*115*	*65-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.77*		"	*5.00*		*115*	*60-135*			
Surrogate: Toluene-d8	*5.85*		"	*5.00*		*117*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*5.30*		"	*5.00*		*106*	*70-120*			
Laboratory Control Sample Dup (6B15004-BSD1)				Prepared & Analyzed: 02/15/06						
Tetrachloroethene	11.2	0.50	ug/l	10.0		112	85-125	9	15	
Surrogate: Dibromofluoromethane	*5.56*		"	*5.00*		*111*	*65-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.36*		"	*5.00*		*107*	*60-135*			
Surrogate: Toluene-d8	*5.80*		"	*5.00*		*116*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*5.37*		"	*5.00*		*107*	*70-120*			
Batch 6B17029 - EPA 5030B P/T / EPA 8260B										
Blank (6B17029-BLK1)				Prepared & Analyzed: 02/17/06						
Freon 113	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.28*		"	*2.50*		*91*	*65-130*			
Surrogate: Toluene-d8	*2.27*		"	*2.50*		*91*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2.31*		"	*2.50*		*92*	*70-120*			

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

EPA 8010 list Volatile Organic Compounds by EPA 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6B17029 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (6B17029-BS1)				Prepared & Analyzed: 02/17/06						
Tetrachloroethene	9.99	0.50	ug/l	10.0		100	85-125			
Surrogate: Dibromofluoromethane	*2.30*		"	*2.50*		*92*	*65-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92*	*60-135*			
Surrogate: Toluene-d8	*2.54*		"	*2.50*		*102*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2.23*		"	*2.50*		*89*	*70-120*			
Matrix Spike (6B17029-MS1)	**Source: MPB0232-01RE1**			Prepared: 02/17/06		Analyzed: 02/18/06				**VQT**
Tetrachloroethene	101	5.0	ug/l	100	ND	101	85-125			
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*65-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.39*		"	*2.50*		*96*	*60-135*			
Surrogate: Toluene-d8	*2.39*		"	*2.50*		*96*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2.49*		"	*2.50*		*100*	*70-120*			
Matrix Spike Dup (6B17029-MSD1)	**Source: MPB0232-01RE1**			Prepared: 02/17/06		Analyzed: 02/18/06				**VQT**
Tetrachloroethene	98.8	5.0	ug/l	100	ND	99	85-125	2	15	
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*95*	*65-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.35*		"	*2.50*		*94*	*60-135*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*95*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2.36*		"	*2.50*		*94*	*70-120*			

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MPB0080
1333 Broadway, Suite 800	Project Number:G0C02-0010	**Reported:**
Oakland CA, 94612	Project Manager:Barbara Jakub	02/24/06 12:45

Notes and Definitions

VQT	Val. Qual.: QA/QC protocols not met for instr.12-hr tuning crit.
PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
IC	Calib. verif. is within method limits but outside contract limits
HM	Analyte recovery below established limit
CL	Initial analysis within holding time but required dilution
BB,LN	Sample > 4x spike concentration.
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 > 276 > HistoricalBL

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

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

On-site Time: 0800	Temp: 60
Off-site Time: 1400	Temp: 60
Sky Conditions: Cloudy / Rain	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Sequoia	
Address: 885 Jarvis Drive	
Morgan Hill, CA 95037	
Lab PM: Lisa Race / Katt Min	
Tele/Fax: 408.782.8156 / 408.782.6308	
BP/AR PM Contact: Paul Supple	
Address: P.O. Box 6549	
Moraga, CA 94570	
Tele/Fax: 925.299.8891 / 925.299.8872	

BP/AR Facility No.:	276
BP/AR Facility Address:	10600 Macarthur Blvd., Oakland, CA 94605
Site Lat/Long:	37.74255 / -122.1513
California Global ID No.:	T0600100082
Enfos Project No.:	G0C02-0010
Provision or RCOP:	Provision
Phase/WBS:	04 - Mon/Remed by Natural Attenuation
Sub Phase/Task:	03 - Analytical
Cost Element:	05 - Subcontracted Costs

Consultant/Contractor:	URS
Address:	1333 Broadway, Suite 800
	Oakland, CA 94612
Consultant/Contractor Project No.:	38487518
Consultant/Contractor PM:	Barb Jakub
Tele/Fax:	510.874.3296 / 510.874.3268
Report Type & QC Level:	Level 1 with EDF
E-mail EDD To:	Donna_Cosper@urscorp.com
Invoice to:	Atlantic Richfield Company

Lab Bottle Order No: 276

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)	Requested Analysis: PCE (8010)	Sample Point Lat/Long and Comments
1	MW-1	0830	2/1/06		X		01	12				X		X	X	X	X	X	MPB6080
2	MW-2	1250			X		02	6				X		X	X	X	X	X	
3	MW-3	0920			X		03	6				X		X	X	X	X	X	
4	MW-4	0955			X		04	6				X		X	X	X	X	X	
5	MW-5	1225			X		05	6				X		X	X	X	X	X	
6	MW-6	1145			X		06	6				X		X	X	X	X	X	
7	MW-7	1125			X		07	6				X		X	X	X	X	X	
8	MW-8	1320			X		08	6				X		X	X	X	X	X	
9	RW-1	1035			X		09	6				X		X	X	X	X	X	
10	WGR-3	1055	↓		X		10	6				X		X	X	X	X	X	

Sampler's Name: Shawn Cline

Sampler's Company: Blaine Tech

Shipment Date:

Shipment Method:

Shipment Tracking No:

Special Instructions:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
S. Cline	2/1/06	1457	SAMPLE CUSTODIAN SA	2/1/06	1457
Sample Courier	2/1/06	1825		2/1/06	1825
	2/1/06	1900		2/1/06	1900

Custody Seals In Place Yes ___ No ✓ Temp Blank Yes X No ___ Cooler Temperature on Receipt 5.5 °F/C Trip Blank Yes X No

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

Chain of Custody Record

Project Name: Analytical for QMR sampling

BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 276 > HistoricalBL

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

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

On-site Time: 0800	Temp: 60
Off-site Time: 1400	Temp: 60
Sky Conditions: Rain	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Sequoia	BP/AR Facility No.: 276	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 10600 Macarthur Blvd., Oakland, CA 94605	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.74255 / -122.1513	Oakland, CA 94612
Lab PM: Lisa Race / Katt Min	California Global ID No.: T0600100082	Consultant/Contractor Project No.: 38487518
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G0C02-0010	Consultant/Contractor PM: Barb Jakub
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3296 / 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: 276

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)	Requested Analysis: PCB (8010)	Sample Point Lat/Long and Comments
1	TB-276-02012006	—	2/1/06		X		11	2				X							On Hold
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

MTB0080

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Shawn Lane	S. Lane	2/1/06	1457	Sample Custody	2/1/06	1457
Sampler's Company: Blaine Tech	Sample Custody	2/1/06	1825		2/1/06	1825
Shipment Date:		2/1/06	1900		2/1/06	1900
Shipment Method:						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes ___ No ___ Temp Blank Yes X No ___ Cooler Temperature on Receipt 3.9 °F/C Trip Blank Yes X No ___

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS 276
REC. BY (PRINT): E. Fallon
WORKORDER: MPB0080

DATE REC'D AT LAB: 2/1/06
TIME REC'D AT LAB: 1900
DATE LOGGED IN: 2-2-06

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*									
2. Chain-of-Custody (Present) / Absent*									
3. Traffic Reports or Packing List: Present / (Absent)									
4. Airbill: Airbill / Sticker Present / (Absent)									
5. Airbill #:									
6. Sample Labels: (Present) / Absent									
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) (Yes) / No*									
14. Read Temp: 5.9 °C Corrected Temp: 5.9 °C Is corrected temp 4 +/-2°C? (Yes) / No** (Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON ICE or Problem COC									

DFF 2/1/06 SEE COC

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

ATTACHMENT C

HISTORICAL GROUNDWATER DATA

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-1	03-10-95	55.92	26.26	ND	29.66	03-10-95	170	<1	--	<1	--		
MW-1	06-05-95	55.92	25.71	ND	30.21	06-05-95	210	<5	--	<5	--		
MW-1	08-29-95	55.92	28.44	ND	27.48	08-29-95	130	<1	--	<1	--		
MW-1	11-16-95	55.92	30.85	ND	25.07	11-16-95	45	<1	--	<1	<1		
MW-1	02-28-96	55.92	24.99	ND	30.93	02-28-96	97	<1	<1	<1	--		
MW-1	05-28-96	55.92	24.92	ND	31.00	05-28-96	160	<5	<5	<5	--		
MW-1	08-19-96	55.92	28.04	ND	27.88	08-19-96	77	<1	<1	<1	--		
MW-1	11-21-96	55.92	30.19	ND	25.73	11-21-96	30	<1	<1	<1	--		
MW-1	03-26-97	55.92	24.90	ND	31.02	03-26-97	66	<1	<1	<1	--		
MW-1	05-20-97	55.92	26.99	ND	28.93	05-20-97	36	<0.5	<0.5	<0.5	--		
MW-1	08-18-97	55.92	29.98	ND	25.94	08-18-97	11	<0.5	<0.5	<0.5	--		
MW-1	11-17-97	55.92	31.72	ND	24.20	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-1	12-02-99	55.92	Not surveyed			12-02-99	Not surveyed: well was inaccessible						
MW-2	03-10-95	55.10	13.98	ND	41.12	03-11-95	<1	<1	--	<1	--		
MW-2	06-05-95	55.10	15.65	ND	39.45	06-05-95	<1	<1	--	<1	--		
MW-2	08-29-95	55.10	17.14	ND	37.96	08-29-95	<5	<5	--	<5	--		
MW-2	11-16-95	55.10	Not surveyed			11-16-95	Not surveyed: well was inaccessible						
MW-2	02-28-96	55.10	12.46	ND	42.64	02-28-96	<1	<1	<1	<1	--		
MW-2	05-28-96	55.10	15.23	ND	39.87	05-28-96	<1	<1	<1	<1	--		
MW-2	08-19-96	55.10	16.84	ND	38.26	08-21-96	<1	<1	<1	<1	--		
MW-2	11-21-96	55.10	15.44	ND	39.66	11-21-96	<1	<1	<1	<1	--		
MW-2	03-26-97	55.10	15.73	ND	39.37	03-26-97	<10^	<10^	<10^	<10^	--		
MW-2	05-20-97	55.10	16.07	ND	39.03	05-20-97	<1^	<1^	<1^	<1^	--		
MW-2	08-18-97	55.10	17.28	ND	37.82	08-18-97	<5^	<5^	<5^	<5^	--		
MW-2	11-17-97	55.10	16.75	ND	38.35	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-2	12-02-99	55.10	Not surveyed			12-02-99	Not sampled: not on sampling schedule						

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-3	03-10-95	56.55	26.74	ND	29.81	03-11-95	1700	<10	--	<10	--		
MW-3	06-05-95	56.55	26.34	ND	30.21	06-05-95	2500	<20	--	<20	--		
MW-3	08-29-95	56.55	29.15	ND	27.40	08-29-95	1600	<20	--	<20	--		
MW-3	11-16-95	56.55	31.50	ND	25.05	11-16-95	1100	<20	--	<20	<20		
MW-3	02-28-96	56.55	25.32	ND	31.23	02-28-96	1100	<10	<10	<10	--		
MW-3	05-28-96	56.55	25.46	ND	31.09	05-28-96	1700	<20	<20	<20	--		
MW-3	08-19-96	56.55	28.71	ND	27.84	08-19-96	1200	<20	<20	<20	--		
MW-3	11-21-96	56.55	30.85	ND	25.70	11-21-96	710	<20^	<20^	<20^	--		
MW-3	03-26-97	56.55	25.36	ND	31.19	03-26-97	710	<40^	<40^	<40^	--		
MW-3	05-20-97	56.55	27.61	ND	28.94	05-20-97	800	<25^	<25^	<25^	--		
MW-3	08-18-97	56.55	30.62	ND	25.93	08-18-97	420	<5^	<5^	<5^	--		
MW-3	11-17-97	56.55	32.40	ND	24.15	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-3	12-02-99	56.55	30.75	ND	25.80	12-02-99	210*	<0.5*	<0.5*	<0.5*	--	0.47	NP
MW-4	03-10-95	55.98	26.22	ND	29.76	03-11-95	2600	<20	--	<20	--		
MW-4	06-05-95	55.98	25.79	ND	30.19	06-05-95	3100	<20	--	<20	--		
MW-4	08-29-95	55.98	28.56	ND	27.42	08-29-95	2900	<20	--	<20	--		
MW-4	11-16-95	55.98	31.00	ND	24.98	11-16-95	2100	<20	--	<20	<20		
MW-4	02-28-96	55.98	24.77	ND	31.21	02-28-96	2400	<20	<20	<20	--		
MW-4	05-28-96	55.98	24.91	ND	31.07	05-28-96	2700	<20	<20	<20	--		
MW-4	08-19-96	55.98	28.17	ND	27.81	08-19-96	2600	<20	<20	<20	--		
MW-4	11-21-96	55.98	30.30	ND	25.68	11-21-96	1100	<20^	<20^	<20^	--		
MW-4	03-26-97	55.98	24.80	ND	31.18	03-26-97	1900	<40^	<40^	<40^	--		
MW-4	05-20-97	55.98	27.03	ND	28.95	05-20-97	1600	<50^	<50^	<50^	--		
MW-4	08-18-97	55.98	30.10	ND	25.88	08-18-97	600	<125^	<125^	--	--		
MW-4	11-17-97	55.98	31.84	ND	24.14	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-4	12-02-99	55.98	30.20	ND	25.78	12-02-99	320*	<0.5*	<0.5*	<0.5*	--	1.03	NP

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-5	03-10-95	55.43	25.62	ND	29.81	03-10-95	270	<5	--	<5	--		
MW-5	06-05-95	55.43	25.30	ND	30.13	06-05-95	310	<5	--	<5	--		
MW-5	08-29-95	55.43	28.21	ND	27.22	08-29-95	240	<5	--	<5	--		
MW-5	11-16-95	55.43	30.63	ND	24.80	11-16-95	940	<5	--	<5	<5		
MW-5	02-28-96	55.43	24.07	ND	31.36	02-28-96	1100	<10	<10	<10	--		
MW-5	05-28-96	55.43	24.42	ND	31.01	05-28-96	360	<5	<5	<5	--		
MW-5	08-19-96	55.43	27.82	ND	27.61	08-21-96	150	<1	<1	2	--		
MW-5	11-21-96	55.43	29.92	ND	25.51	11-21-96	1900	<20^	<20^	<20^	--		
MW-5	03-26-97	55.43	24.22	ND	31.21	03-26-97	270	<10^	<10^	<10^	--		
MW-5	05-20-97	55.43	26.60	ND	28.83	05-20-97	290	<5^	<5^	<5^	--		
MW-5	08-18-97	55.43	NR	ND	NR	08-18-97	--	--	--	--	--		
MW-5	11-17-97	55.43	Not surveyed			11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-5	12-02-99	55.43	29.84	ND	25.59	12-02-99	46*	<0.5*	<0.5*	<0.5*	--	0.53	P
MW-6	03-10-95	61.21	31.54	ND	29.67	03-11-95	1300	<20	--	<20	--		
MW-6	06-05-95	61.21	31.15	ND	30.06	06-05-95	2000	<20	--	<20	--		
MW-6	08-29-95	61.21	34.03	ND	27.18	08-29-95	1300	<20	--	<20	--		
MW-6	11-16-95	61.21	36.40	ND	24.81	11-16-95	1300	<20	--	<20	<20		
MW-6	02-28-96	61.21	30.18	ND	31.03	02-28-96	960	<20	<20	<20	--		
MW-6	05-28-96	61.21	30.29	ND	30.92	05-28-96	970	<20	<20	<20	--		
MW-6	08-19-96	61.21	33.54	ND	27.67	08-19-96	820	<20	<20	<20	--		
MW-6	11-21-96	61.21	35.70	ND	25.51	11-21-96	680	<20^	<20^	<20^	--		
MW-6	03-26-97	61.21	30.15	ND	31.06	03-26-97	830	<40^	<40^	<40^	--		
MW-6	05-20-97	61.21	32.40	ND	28.81	05-20-97	270	<5^	<5^	<5^	--		
MW-6	08-18-97	61.21	35.47	ND	25.74	08-18-97	420	<62.5^	<62.5^	--	--		
MW-6	11-17-97	61.21	37.25	ND	23.96	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-6	12-02-99	61.21	35.55	ND	25.66	12-02-99	Not sampled: not on sampling schedule						

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-7	03-10-95	58.22	17.69	ND^^	40.53	03-11-95	Not sampled: floating product entered the well during purging						
MW-7	06-05-95	58.22	19.68	ND	38.54	06-05-95	<10	<10	--	<10	--		
MW-7	08-29-95	58.22	21.70	ND	36.52	08-29-95	<10	<10	--	<10	--		
MW-7	11-16-95	58.22	23.02	ND	35.20	11-16-95	<20	<20	--	<20	<20		
MW-7	02-28-96	58.22	16.54	ND	41.68	02-28-96	<10	<10	<10	<10	--		
MW-7	05-28-96	58.22	19.29	ND	38.93	05-28-96	<10	<10	<10	<10	--		
MW-7	08-19-96	58.22	21.84	ND	36.38	08-21-96	<1	<1	<1	<1	--		
MW-7	11-21-96	58.22	19.58	ND	38.64	11-21-96	<10^	<10^	<10^	<10^	--		
MW-7	03-26-97	58.22	19.67	ND	38.55	03-26-97	<20^	<20^	<20^	<20^	--		
MW-7	05-20-97	58.22	20.18	ND	38.04	05-20-97	<10^	<10^	<10^	<10^	--		
MW-7	08-18-97	58.22	22.21	ND	36.01	08-18-97	<10^	<10^	<10^	<10^	--		
MW-7	11-17-97	58.22	20.85	ND	37.37	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-7	12-02-99	58.22	20.92	ND	37.30	12-02-99	Not sampled: not on sampling schedule						
MW-8	03-10-95	53.65	23.60	ND	30.05	03-10-95	<1	<1	--	<1	--		
MW-8	06-05-95	53.65	23.48	ND	30.17	06-05-95	<1	<1	--	<1	--		
MW-8	08-29-95	53.65	26.44	ND	27.21	08-29-95	<1	<1	--	<1	--		
MW-8	11-16-95	53.65	28.90	ND	24.75	11-16-95	<1	<1	--	<1	<1		
MW-8	02-28-96	53.65	22.16	ND	31.49	02-28-96	3	<1	<1	<1	--		
MW-8	05-28-96	53.65	22.62	ND	31.03	05-28-96	<1	<1	<1	<1	--		
MW-8	08-19-96	53.65	26.70	ND	26.95	08-21-96	<1	<1	<1	<1	--		
MW-8	11-21-96	53.65	28.16	ND	25.49	11-21-96	7	<1	<1	<1	--		
MW-8	03-26-97	53.65	22.42	ND	31.23	03-26-97	<1	<1	<1	<1	--		
MW-8	05-20-97	53.65	24.84	ND	28.81	05-20-97	<0.5	<0.5	<0.5	<0.5	--		
MW-8	08-18-97	53.65	28.03	ND	25.62	08-18-97	<5	<5	<5	--	--		
MW-8	11-17-97	53.65	29.16	ND	24.49	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-8	12-02-99	53.65	28.07	ND	25.58	12-02-99	Not sampled: not on sampling schedule						

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
RW-1	03-10-95	56.32	26.48	Sheen	29.84	03-10-95	260	<5	--	<5	--		
RW-1	06-05-95	56.32	26.20	ND	30.12	06-05-95	59	<1	--	<1	--		
RW-1	08-29-95	56.32	28.98	ND	27.34	08-29-95	570	<5	--	<5	--		
RW-1	11-16-95	56.32	31.34	ND	24.98	11-16-95	140	<1	--	<1	<1		
RW-1	02-28-96	56.32	25.12	ND	31.20	02-28-96	6	<1	<1	<1	--		
RW-1	05-28-96	56.32	25.26	ND	31.06	05-28-96	12	<1	<1	<1	--		
RW-1	08-19-96	56.32	28.51	ND	27.81	08-21-96	100	<1	<1	<1	--		
RW-1	11-21-96	56.32	30.65	ND	25.67	11-21-96	190	1	<1	<1	--		
RW-1	03-26-97	56.32	25.15	ND	31.17	03-26-97	6	<1	<1	<1	--		
RW-1	05-20-97	56.32	27.44	ND	28.88	05-20-97	5.3	<0.5	<0.5	<0.5	--		
RW-1	08-18-97	56.32	30.46	ND	25.86	08-18-97	46	<5	<5	--	--		
RW-1	11-17-97	56.32	32.16	ND	24.16	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
RW-1	12-02-99	56.32	30.54	ND	25.78	12-02-99	Not sampled: not on sampling schedule						
WGR-3	03-10-95	NR	15.20	ND	NR	03-11-95	<1	<1	--	<1	--		
WGR-3	06-05-95	NR	19.25	ND	NR	06-05-95	<1	<1	--	<1	--		
WGR-3	08-29-95	NR	21.41	ND	NR	08-29-95	<1	<1	--	<1	--		
WGR-3	11-16-95	NR	22.50	ND	NR	11-16-95	<1	<1	--	<1	<1		
WGR-3	02-28-96	NR	14.90	ND	NR	02-28-96	<1	<1	<1	<1	--		
WGR-3	05-28-96	NR	18.33	ND	NR	05-28-96	<1	<1	<1	<1	--		
WGR-3	08-19-96	NR	21.38	ND	NR	08-19-96	<1	<1	<1	<1	--		
WGR-3	11-21-96	NR	18.70	ND	NR	11-21-96	<1	<1	<1	<1	--		
WGR-3	03-26-97	NR	18.98	ND	NR	03-26-97	<1	<1	<1	<1	--		
WGR-3	05-20-97	NR	19.70	ND	NR	05-20-97	<0.5	<0.5	<0.5	<0.5	--		

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
WGR-3	08-18-97	NR	21.81	ND	NR	08-18-97	<5	<5	<5	--	--		
WGR-3	11-17-97	NR	20.42	ND	NR	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
WGR-3	12-02-99	NR	20.58	ND	NR	12-02-99	Not sampled: not on sampling schedule						

TOC: Top of Casing
ft-MSL: elevation in feet, relative to mean sea level
µg/L: micrograms per liter
ND: none detected
NR: not reported; data not available or not measurable
- -: not analyzed or not applicable
*: analyzed by EPA method 8021B
^: method reporting limit was raised due to: (1) high analyte concentration requiring sample dilution, or (2) matrix interference
^^: floating product entered the well during purging
**: For previous historical groundwater elevation and analytical data please refer to *Fourth Quarter 1995 Groundwater Monitoring Results and Remediation System Performance Evaluation Report, Retail Service Station 10600 and 10700 MacArthur Boulevard, Oakland, California, (EMCON, March 22, 1996).*

ATTACHMENT D

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:	3/7/2006 11:11:11 AM

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

Back to Main Menu

Logged in as URSCORP-OAKLAND (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:	**1Q 2006 BP/ARCO 276 GEOWELL**
Submittal Date/Time:	**3/7/2006 11:11:54 AM**
Confirmation Number:	**2080688297**

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

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:	3/7/2006 11:21:16 AM
GLOBAL ID:	T0600108312
FILE UPLOADED:	ARCO#0276-EDF-MPB0080.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 #0276
10600 MACARTHUR BLVD
OAKLAND, CA 94605

Regional Board
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0002565
ALAMEDA COUNTY LOP - **(RWS)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	10
# FIELD POINTS WITH DETECTIONS	10
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	5
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	4
METHOD HOLDING TIME VIOLATIONS	4
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y

SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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

Electronic Submittal Information

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

Your EDF file has been successfully uploaded!

Confirmation Number: 3085013031
Date/Time of Submittal: 3/7/2006 11:22:06 AM
Facility Global ID: T0600108312
Facility Name: ARCO #0276
Submittal Title: 1Q 2006 BP/ARCO 276 EDF
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO #0276 10600 MACARTHUR BLVD OAKLAND, CA 94605	**Regional Board** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: RO0002565** ALAMEDA COUNTY LOP - **(RWS)**

CONF #	TITLE	QUARTER
3085013031	1Q 2006 BP/ARCO 276 EDF	Q1 2006

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	3/7/2006	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	10
# FIELD POINTS WITH DETECTIONS	10
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	5
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	4
METHOD HOLDING TIME VIOLATIONS	4
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

FIELD QC SAMPLES

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

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