



Atlantic Richfield Company
(a BP affiliated company)

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



RECEIVED

By loprojectop at 9:51 am, Apr 17, 2006

March 30, 2006

Re: ARCO Service Station # 4931
731 West MacArthur Blvd.
Oakland, California
First Quarter 2006 Groundwater Monitoring Report
ACEH Case # 3874

"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

March 30, 2006

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

**Re: First Quarter 2006 Groundwater Monitoring Report
ARCO Service Station #4931
731 West MacArthur Boulevard
Oakland, California
ACEH Case #3874**

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 #4931, located at 731 West MacArthur Boulevard, Oakland, California.

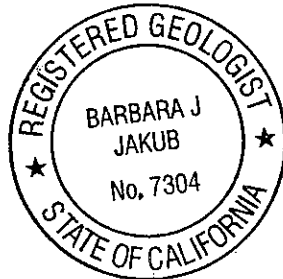
If you have any questions regarding this submission, please call (510) 874-3296.

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
Mr. Nick Goyal, Owner, electronic copy e-mailed (nick@vintersdist.com)
Mr. Rob Miller, Broadbent & Associates, Inc., electronic copy uploaded to ENFOS

REPORT

RECEIVED

By loppjectop at 9:51 am, Apr 17, 2006

FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT

ARCO SERVICE STATION #4931
731 WEST MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

Prepared for
RM

March 30, 2006

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

Date: March 30, 2006
Quarter: 1Q 06

FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT

Facility No.: 4931 Address: 731 West MacArthur Boulevard, Oakland, California
RM Environmental Business Manager: Paul Supple
Consulting Co./Contact Person: URS Corporation / Barbara Jakub
Primary Agency: Alameda County Environmental Health (ACEH)
ACEH Case #: 3874

WORK PERFORMED THIS QUARTER (First – 2006):

1. Performed the first quarter 2006 groundwater monitoring event on February 15, 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:	<u>Groundwater monitoring/sampling</u>
Frequency of Groundwater Sampling:	<u>Quarterly: A-4, A-6, A-8</u> <u>Semi-Annual (1st/3rd Quarters): A-3, A-5</u> <u>Annual (3rd Quarter): A-2, A-7, A-9, A-10, A-11, A-12</u>
Frequency of Groundwater Monitoring:	<u>Quarterly: All wells including AR-1, AR-2, AR-3, A-13</u>
Is Free Product Present On-Site:	<u>No</u>
Current Remediation Techniques:	<u>None</u>
Approximate Depth to Groundwater:	<u>2.49 (AR-2) to 7.90 (A-11) feet</u>
Groundwater Gradient (direction):	<u>Southwest</u>
Groundwater Gradient (magnitude):	<u>0.04 feet per foot</u>

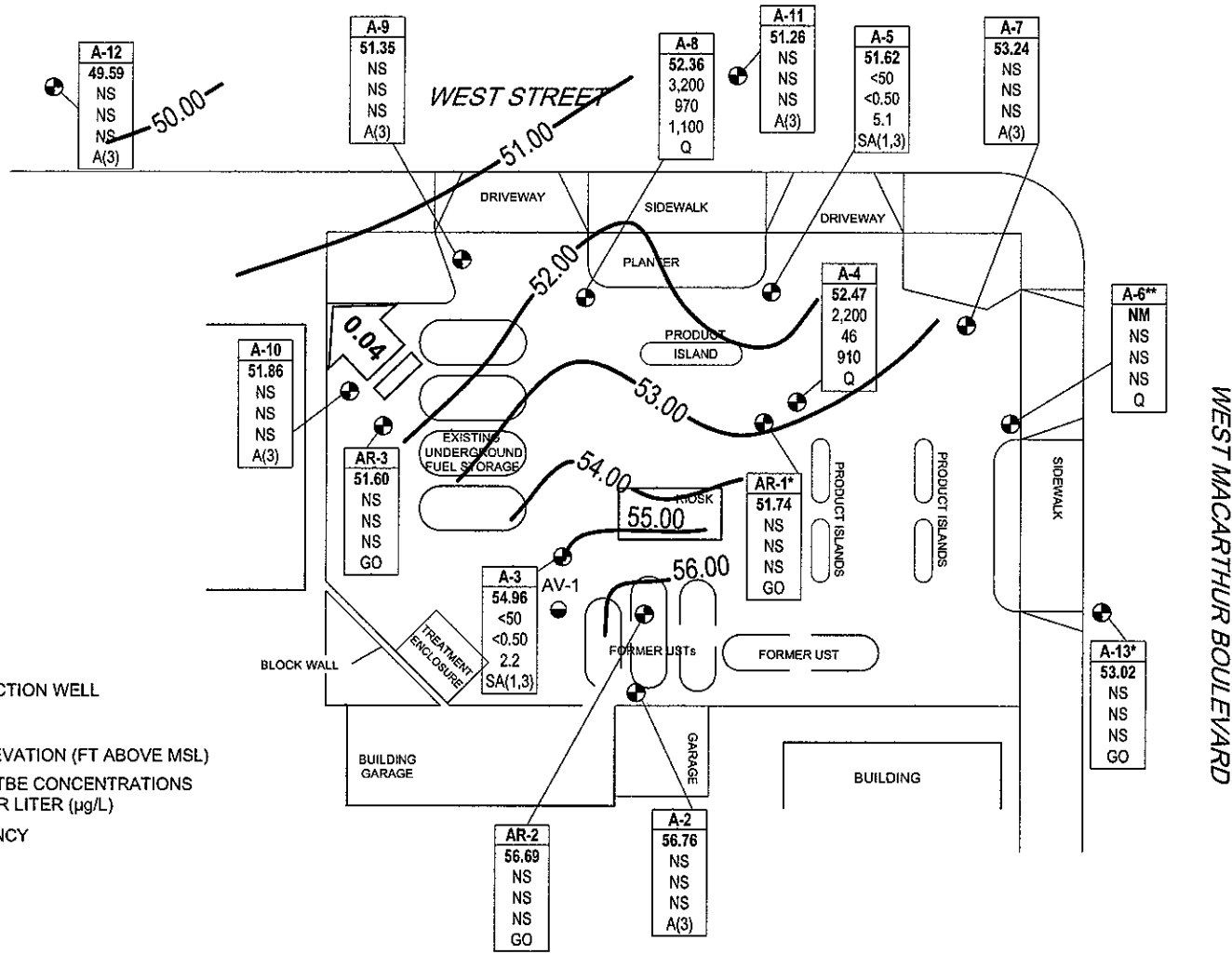
DISCUSSION:

Gasoline range organics were detected at or above the laboratory reporting limit in two of the four wells sampled this quarter at concentrations of 2,200 micrograms per liter ($\mu\text{g/L}$) (A-4) and 3,200 $\mu\text{g/L}$ (A-8). Benzene was detected at or above the laboratory reporting limit in two wells at concentrations of 46 $\mu\text{g/L}$ (A-4) and 970 $\mu\text{g/L}$ (A-8). Ethylbenzene and xylenes were detected at or above their respective laboratory reporting limits in one well (A-4) at concentrations of 29 $\mu\text{g/L}$ and 7.0 $\mu\text{g/L}$, respectively. Methyl tert-butyl ether was detected at or above the laboratory reporting limit in four wells at concentrations ranging from 2.2 $\mu\text{g/L}$ (A-3) to 1,100 $\mu\text{g/L}$ (A-8). Tert-amyl methyl ether was detected at or above the laboratory reporting limit in four wells at concentrations ranging from 0.58 $\mu\text{g/L}$ (A-3) to 330 $\mu\text{g/L}$ (A-8). Tert-butyl alcohol was detected at or above the laboratory reporting limit in three wells at concentrations ranging from 460 $\mu\text{g/L}$ (A-5) to 2,700 $\mu\text{g/L}$ (A-4). No other fuel components were detected at or above their respective laboratory reporting limits in any of the wells sampled this quarter.

Well A-6 was paved over during station work. Efforts are being made to uncover the well.

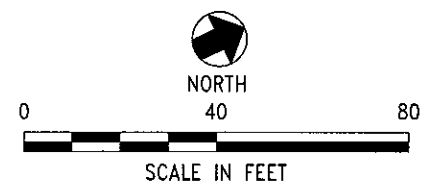
ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – February 15, 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, and Chain-of-Custody Records
- Attachment C – Historical Groundwater Data
- Attachment D – Error Check Reports and EDF/Geowell Submittal Confirmations



LEGEND

- ⊕ MONITORING WELL
 - ⊖ SOIL VAPOR EXTRACTION WELL
- | | |
|---------|---|
| Well | WELL DESIGNATION |
| ELEV | GROUNDWATER ELEVATION (FT ABOVE MSL) |
| GRO | GRO, BENZENE & MTBE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L) |
| Benzene | |
| MTBE | |
| A/Q/SA | SAMPLING FREQUENCY |
- GO GAUGED ONLY
 - NM NOT MEASURED
 - NS NOT SAMPLED
 - < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
 - Q SAMPLED QUARTERLY
 - SA(1,3) SAMPLED SEMI-ANNUALLY DURING 1ST & 3RD QUARTERS
 - A(3) SAMPLED ANNUALLY DURING 3RD QUARTER
- ← 0.04 GROUNDWATER FLOW DIRECTION AND GRADIENT (FEET/FOOT)
- 51.00 GROUNDWATER ELEVATION CONTOUR (FT ABOVE MSL)
- * NOT USED IN CONTOURING
 - ** PAVED OVER



URS	Project No. 38487560	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP	FIGURE 1
	ARCO Service Station #4931 731 West MacArthur Boulevard Oakland, California		

Table 1
Groundwater Elevation and Analytical Data
 ARCO Service Station #4931
 731 West 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
A-2	6/21/2000	--		55.48	5.00	20.00	6.85	48.63	<50	<0.5	<0.5	<0.5	<1.0	<3.0	--	--
	9/20/2000	--		55.48	5.00	20.00	10.45	45.03	<50	< 0.5	< 0.5	<0.5	<0.5	<2.5	--	--
	12/26/2000	--		55.48	5.00	20.00	6.27	49.21	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	3/20/2001	--		55.48	5.00	20.00	4.57	50.91	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	6/12/2001	--		55.48	5.00	20.00	9.27	46.21	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	9/23/2001	--		55.48	5.00	20.00	10.75	44.73	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	12/31/2001	--		55.48	5.00	20.00	4.13	51.35	<50	< 0.5	< 0.5	1	3.2	<2.5	--	--
	3/21/2002	--		55.48	5.00	20.00	3.26	52.22	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
	4/17/2002	--		55.48	5.00	20.00	3.72	51.76	<50	<0.5	<0.5	<0.5	<0.5	3.1	--	--
	8/12/2002	NP		55.48	5.00	20.00	9.95	45.53	<10	<0.10	<0.10	<0.10	<0.10	<0.50	3.1	7.7
	12/6/2002	NP		55.48	5.00	20.00	10.01	45.47	<50	<0.50	<0.50	<0.50	<0.50	6	3.1	6.1
	1/30/2003	NP		55.48	5.00	20.00	5.08	50.40	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.7
	5/28/2003	--		55.48	5.00	20.00	4.82	50.66	<50	<0.50	<0.50	<0.50	<0.50	1.1	5.7	6.8
	8/6/2003	--		55.48	5.00	20.00	9.73	45.75	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	7.7
	11/14/2003	--		55.48	5.00	20.00	9.36	46.12	--	--	--	--	--	--	--	--
	02/02/2004	--	g	60.65	5.00	20.00	4.45	56.20	--	--	--	--	--	--	--	--
	05/04/2004	--		60.65	5.00	20.00	6.79	53.86	--	--	--	--	--	--	--	--
	09/02/2004	NP		60.65	5.00	20.00	10.51	50.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	--
	11/10/2004	--		60.65	5.00	20.00	6.10	54.55	--	--	--	--	--	--	--	--
	02/02/2005	--		60.65	5.00	20.00	4.00	56.65	--	--	--	--	--	--	--	--
	05/09/2005	--		60.65	5.00	20.00	4.35	56.30	--	--	--	--	--	--	--	--
	08/11/2005	NP	h	60.65	5.00	20.00	9.08	51.57	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	6.9
	11/18/2005	--		60.65	5.00	20.00	8.53	52.12	--	--	--	--	--	--	--	--
	02/15/2006	--		60.65	5.00	20.00	3.89	56.76	--	--	--	--	--	--	--	--
A-3	6/21/2000	--		54.66	5.00	20.00	9.48	45.18	<50	<0.5	<0.5	<0.5	<1.0	46	--	--
	9/20/2000	--		54.66	5.00	20.00	10.24	44.42	<50	< 0.5	< 0.5	<0.5	<0.5	89.6	--	--
	12/26/2000	--		54.66	5.00	20.00	9.58	45.08	< 50	< 0.5	< 0.5	< 0.5	<0.5	7.11	--	--
	3/20/2001	--		54.66	5.00	20.00	6.34	48.32	--	--	--	--	--	--	--	--
	6/12/2001	--		54.66	5.00	20.00	9.76	44.90	< 50	< 0.5	< 0.5	< 0.5	<0.5	86	--	--
	9/23/2001	--		54.66	5.00	20.00	10.55	44.11	--	--	--	--	--	--	--	--
	12/31/2001	--		54.66	5.00	20.00	3.70	50.96	<50	< 0.5	< 0.5	< 0.5	1	60	--	--
	3/21/2002	--		54.66	5.00	20.00	5.75	48.91	--	--	--	--	--	--	--	--
	4/17/2002	--		54.66	5.00	20.00	7.27	47.39	<50	<0.5	<0.5	<0.5	<0.5	45	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West 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
A-3	8/12/2002	--		54.66	5.00	20.00	9.71	44.95	--	--	--	--	--	--	--	--
	12/6/2002	P		54.66	5.00	20.00	9.55	45.11	<500	<5.0	<5.0	<5.0	<5.0	150	2.4	6.6
	1/30/2003	--		54.66	5.00	20.00	6.05	48.61	--	--	--	--	--	--	--	--
	5/28/2003	--		54.66	5.00	20.00	8.06	46.60	74	<0.50	<0.50	<0.50	<0.50	43	1.5	6.9
	8/6/2003	--		54.66	5.00	20.00	9.91	44.75	--	--	--	--	--	--	--	--
	11/14/2003	--		54.66	5.00	20.00	9.52	45.14	--	--	--	--	--	--	--	--
	02/02/2004	P	g	59.32	5.00	20.00	5.63	53.69	<50	<0.50	<0.50	<0.50	<0.50	13	1.2	7.1
	05/04/2004	--		59.32	5.00	20.00	8.14	51.18	--	--	--	--	--	--	--	--
	09/02/2004	P		59.32	5.00	20.00	10.10	49.22	<250	<2.5	<2.5	<2.5	<2.5	62	1.3	6.6
	11/10/2004	--		59.32	5.00	20.00	7.89	51.43	--	--	--	--	--	--	--	--
	02/02/2005	P		59.32	5.00	20.00	5.00	54.32	<50	<0.50	<0.50	<0.50	<0.50	6.8	1.9	6.9
	05/09/2005	--		59.32	5.00	20.00	5.96	53.36	--	--	--	--	--	--	--	--
	08/11/2005	P	h	59.32	5.00	20.00	9.28	50.04	<50	<0.50	<0.50	<0.50	<0.50	39	1.8	5.5
	11/18/2005	--		59.32	5.00	20.00	8.61	50.71	--	--	--	--	--	--	--	--
02/15/2006	P		59.32	5.00	20.00	4.36	54.96	<50	<0.50	<0.50	<0.50	<0.50	2.2	3.6	7.2	
A-4	6/21/2000	--		54.73	5.00	20.00	9.49	45.24	2,100	110	2.1	11	5.9	2,000	--	--
	9/20/2000	--		54.73	5.00	20.00	10.33	44.40	1,540	127	<5.0	9.07	7.42	1,940	--	--
	12/26/2000	--		54.73	5.00	20.00	9.34	45.39	1,550	42.7	<5.0	11	10.9	1,210	--	--
	3/20/2001	--		54.73	5.00	20.00	7.56	47.17	913	40.9	<5.0	15.5	14.6	<25	--	--
	6/12/2001	--		54.73	5.00	20.00	9.83	44.90	2,000	230	<20	21	<20	4,700	--	--
	9/23/2001	--		54.73	5.00	20.00	10.54	44.19	1,600	35	<10	<10	<10	3,000	--	--
	12/31/2001	--		54.73	5.00	20.00	5.42	49.31	<500	<5.0	<5.0	<5.0	<5.0	880	--	--
	3/21/2002	--		54.73	5.00	20.00	6.18	48.55	<5,000	<50	<50	<50	<50	1,400	--	--
	4/17/2002	--		54.73	5.00	20.00	7.34	47.39	1,300	79	31	17	55	2,200	--	--
	8/12/2002	P	a	54.73	5.00	20.00	9.56	45.17	2,400	120	<5.0	<5.0	<5.0	2,100	2	7.2
	12/6/2002	P		54.73	5.00	20.00	10.02	44.71	2,200	110	10	42	56	2,000	--	6.7
	1/30/2003	P		54.73	5.00	20.00	7.55	47.18	6,000	180	<50	85	<50	2,100	1.8	6.8
	5/28/2003	--		54.73	5.00	20.00	8.94	45.79	6,000	120	<50	<50	<50	2,500	1.5	6.7
	8/6/2003	--		54.73	5.00	20.00	10.03	44.70	5,800	100	<25	<25	33	2,500	1.5	6.7
	11/14/2003	P	d, f	54.73	5.00	20.00	10.37	44.36	1,000	17	<5.0	<5.0	<5.0	310	1.6	6.8
	02/02/2004	P	d, g	59.59	5.00	20.00	6.70	52.89	3,600	46	<25	<25	<25	1,500	1.0	7.1
05/04/2004	P	d	59.59	5.00	20.00	9.12	50.47	<5,000	<50	<50	<50	<50	2,300	6.4	6.8	
09/02/2004	P		59.59	5.00	20.00	9.95	49.64	3,000	<25	<25	<25	<25	1,200	9.1	6.8	

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931
731 West 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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
A-4	11/10/2004	P		59.59	5.00	20.00	8.68	50.91	1,800	16	<10	<10	<10	1,100	2.0	7.2
	02/02/2005	P		59.59	5.00	20.00	6.92	52.67	3,300	120	<10	66	11	1,700	1.5	6.5
	05/09/2005	P		59.59	5.00	20.00	7.21	52.38	<5,000	140	<50	62	<50	1,800	1.64	6.6
	08/11/2005	P	f, h	59.59	5.00	20.00	9.71	49.88	1,700	51	<10	<10	<10	1,200	--	6.9
	11/18/2005	P		59.59	5.00	20.00	9.45	50.14	1,300	23	<2.5	7.2	11	310	1.4	6.7
	02/15/2006	P		59.59	5.00	20.00	7.12	52.47	2,200	46	<2.5	29	7.0	910	0.9	6.8
	A-5	6/21/2000	--		54.17	3.00	24.00	9.29	44.88	980	<0.5	<0.5	<0.5	<1.0	2,000	--
9/20/2000		--		54.17	3.00	24.00	10.23	43.94	--	--	--	--	--	--	--	--
12/26/2000		--		54.17	3.00	24.00	9.65	44.52	525	<0.5	<0.5	<0.5	<0.5	1,200	--	--
3/20/2001		--		54.17	3.00	24.00	8.05	46.12	--	--	--	--	--	--	--	--
6/12/2001		--		54.17	3.00	24.00	9.81	44.36	830	<5.0	<5.0	<5.0	<5.0	3,200	--	--
9/23/2001		--		54.17	3.00	24.00	10.42	43.75	--	--	--	--	--	--	--	--
12/31/2001		--		54.17	3.00	24.00	6.03	48.14	320	<0.5	<0.5	<0.5	<0.5	60	--	--
3/21/2002		--		54.17	3.00	24.00	6.71	47.46	--	--	--	--	--	--	--	--
4/17/2002		--		54.17	3.00	24.00	8.01	46.16	1,600	<10	<10	<10	<10	3,200	--	--
8/12/2002		--		54.17	3.00	24.00	9.87	44.30	--	--	--	--	--	--	--	--
12/6/2002		P		54.17	3.00	24.00	9.66	44.51	310	<0.50	<0.50	<0.50	<0.50	330	1.9	6.6
1/30/2003		--		54.17	3.00	24.00	7.67	46.50	--	--	--	--	--	--	--	--
5/28/2003		--		54.17	3.00	24.00	8.56	45.61	<5,000	<50	<50	<50	<50	1,500	1.6	6.6
8/6/2003		--		54.17	3.00	24.00	9.58	44.59	--	--	--	--	--	--	--	--
11/14/2003		--		54.17	3.00	24.00	9.81	44.36	--	--	--	--	--	--	--	--
02/02/2004		P	g	58.78	3.00	24.00	7.43	51.35	390	<2.5	9.2	<2.5	2.6	140	1.0	6.8
05/04/2004		--		58.78	3.00	24.00	9.98	48.80	--	--	--	--	--	--	--	--
09/02/2004		P		58.78	3.00	24.00	9.65	49.13	<250	<2.5	<2.5	<2.5	<2.5	66	1.1	6.4
11/10/2004		--		58.78	3.00	24.00	8.48	50.30	--	--	--	--	--	--	--	--
02/02/2005		P		58.78	3.00	24.00	7.10	51.68	68	<0.50	<0.50	<0.50	<0.50	17	1.0	7.2
05/09/2005	--		58.78	3.00	24.00	7.20	51.58	--	--	--	--	--	--	--	--	
08/11/2005	P	h	58.78	3.00	24.00	9.21	49.57	<50	<0.50	<0.50	<0.50	<0.50	6.8	1.3	6.2	
11/18/2005	--		58.78	3.00	24.00	9.10	49.68	--	--	--	--	--	--	--	--	
02/15/2006	P		58.78	3.00	24.00	7.16	51.62	<50	<0.50	<0.50	<0.50	<0.50	5.1	1.2	6.9	
A-6	6/21/2000	--		55.17	3.00	25.00	8.67	46.50	<50	<0.5	<0.5	<0.5	<1.0	<3.0	--	--
	9/20/2000	--		55.17	3.00	25.00	9.34	45.83	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
	12/26/2000	--		55.17	3.00	25.00	8.65	46.52	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West 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
A-6	3/20/2001	--		55.17	3.00	25.00	6.84	48.33	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	6/12/2001	--		55.17	3.00	25.00	8.93	46.24	< 50	< 0.5	< 0.5	< 0.5	<0.5	7	--	--
	9/23/2001	--		55.17	3.00	25.00	9.74	45.43	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	12/31/2001	--		55.17	3.00	25.00	4.81	50.36	< 50	< 0.5	< 0.5	< 0.5	<0.5	3.2	--	--
	3/21/2002	--		55.17	3.00	25.00	5.44	49.73	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
	4/17/2002	--		55.17	3.00	25.00	6.95	48.22	<50	<0.5	<0.5	<0.5	<0.5	3.1	--	--
	8/12/2002	NP		55.17	3.00	25.00	8.90	46.27	<50	<0.5	<0.5	<0.5	<0.5	<2.5	4.3	7.9
	12/6/2002	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	1/30/2003	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	5/28/2003	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	8/6/2003	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	11/14/2003	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	02/02/2004	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	05/04/2004	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	09/02/2004	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	11/10/2004	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	02/02/2005	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	05/09/2005	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	08/11/2005	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
	11/18/2005	--	e	55.17	3.00	25.00	--	--	--	--	--	--	--	--	--	--
A-7	6/21/2000	--		54.71	3.00	22.00	8.58	46.13	<50	<0.5	<0.5	<0.5	<1.0	<3.0	--	--
	9/20/2000	--		54.71	3.00	22.00	9.19	45.52	--	--	--	--	--	--	--	--
	12/26/2000	--		54.71	3.00	22.00	8.50	46.21	--	--	--	--	--	--	--	--
	3/20/2001	--		54.71	3.00	22.00	6.75	47.96	--	--	--	--	--	--	--	--
	6/12/2001	--		54.71	3.00	22.00	8.80	45.91	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	9/23/2001	--		54.71	3.00	22.00	9.59	45.12	--	--	--	--	--	--	--	--
	12/31/2001	--		54.71	3.00	22.00	4.78	49.93	--	--	--	--	--	--	--	--
	3/21/2002	--		54.71	3.00	22.00	5.35	49.36	--	--	--	--	--	--	--	--
	4/17/2002	--		54.71	3.00	22.00	6.88	47.83	<50	<0.5	<0.5	<0.5	<0.5	2.5	--	--
	8/12/2002	--		54.71	3.00	22.00	8.77	45.94	--	--	--	--	--	--	--	--
	12/6/2002	--		54.71	3.00	22.00	9.07	45.64	--	--	--	--	--	--	--	--
	1/30/2003	--		54.71	3.00	22.00	6.65	48.06	--	--	--	--	--	--	--	--
	5/28/2003	--		54.71	3.00	22.00	7.63	47.08	<50	<0.50	<0.50	<0.50	<0.50	3.8	2.3	6.7

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West 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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
A-7	8/6/2003	--		54.71	3.00	22.00	8.90	45.81	--	--	--	--	--	--	--	--
	11/14/2003	--		54.71	3.00	22.00	9.08	45.63	--	--	--	--	--	--	--	--
	02/02/2004	--	g	59.75	3.00	22.00	5.96	53.79	--	--	--	--	--	--	--	--
	05/04/2004	--		59.75	3.00	22.00	8.21	51.54	--	--	--	--	--	--	--	--
	09/02/2004	P		59.75	3.00	22.00	9.02	50.73	<50	<0.50	<0.50	<0.50	<0.50	8.9	3.0	6.7
	11/10/2004	--		59.75	3.00	22.00	7.50	52.25	--	--	--	--	--	--	--	--
	02/02/2005	--		59.75	3.00	22.00	6.10	53.65	--	--	--	--	--	--	--	--
	05/09/2005	--		59.75	3.00	22.00	6.48	53.27	--	--	--	--	--	--	--	--
	08/11/2005	P	h	59.75	3.00	22.00	8.45	51.30	<50	<0.50	<0.50	<0.50	<0.50	18	1.6	6.6
	11/18/2005	--		59.75	3.00	22.00	8.65	51.10	--	--	--	--	--	--	--	--
	02/15/2006	--		59.75	3.00	22.00	6.51	53.24	--	--	--	--	--	--	--	--
A-8	6/21/2000	--		53.77	3.00	25.00	9.07	44.70	810	<0.5	<0.5	<0.5	810	1,500	--	--
	9/20/2000	--		53.77	3.00	25.00	9.72	44.05	10,800	2,680	46	439	370	4,410	--	--
	12/26/2000	--		53.77	3.00	25.00	9.20	44.57	7,700	1,440	<50	202	106	2,230	--	--
	3/20/2001	--		53.77	3.00	25.00	7.51	46.26	<5,000	1,280	<50	53.9	<50	2,880	--	--
	6/12/2001	--		53.77	3.00	25.00	9.53	44.24	5,600	1,700	<50	61	54	2,900	--	--
	9/23/2001	--		53.77	3.00	25.00	10.08	43.69	10,000	3,500	<50	110	64	6,500	--	--
	12/31/2001	--		53.77	3.00	25.00	4.34	49.43	4,300	610	<10	60	24	520	--	--
	3/21/2002	--		53.77	3.00	25.00	6.67	47.10	6,600	1,400	<50	130	<50	2,700	--	--
	4/17/2002	--		53.77	3.00	25.00	7.72	46.05	3,800	540	<10	<10	12	3,100	--	--
	8/12/2002	NP		53.77	3.00	25.00	9.64	44.13	9,400	1,800	<20	35	28	4,200	1	6.7
	12/6/2002	NP	b	53.77	3.00	25.00	9.62	44.15	5,300	1,100	11	11	<10	2,200	1.4	6.7
	1/30/2003	NP		53.77	3.00	25.00	7.49	46.28	<10,000	1,100	<100	<100	<100	2,200	1.5	6.9
	5/28/2003	--		53.77	3.00	25.00	9.17	44.60	7,700	1,700	<50	<50	<50	2,100	1	6.8
	8/6/2003	--		53.77	3.00	25.00	9.67	44.10	13,000	2,400	<50	<50	<50	3,000	0.9	6.5
	11/14/2003	NP	d	53.77	3.00	25.00	9.80	43.97	3,100	570	<5.0	<5.0	<5.0	850	2.3	6.2
	02/02/2004	NP	d, g	58.70	3.00	25.00	7.10	51.60	3,900	300	<25	<25	<25	1,100	1.1	6.8
	05/04/2004	NP		58.70	3.00	25.00	9.44	49.26	<5,000	490	<50	<50	<50	1,600	1.0	6.9
	09/02/2004	NP		58.70	3.00	25.00	9.67	49.03	<2,500	30	<25	<25	<25	680	1.0	6.2
	11/10/2004	NP		58.70	3.00	25.00	8.15	50.55	580	61	<2.5	<2.5	<2.5	290	1.5	6.4
	02/02/2005	NP		58.70	3.00	25.00	6.53	52.17	5,000	890	<25	<25	<25	1,900	1.0	7.4
	05/09/2005	NP		58.70	3.00	25.00	6.31	52.39	69	0.90	<0.50	<0.50	<0.50	66	4.1	7.2
	08/11/2005	NP	h	58.70	3.00	25.00	9.15	49.55	1,400	1,300	<12	<12	<12	1,100	0.7	6.4

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West 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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH	
A-8	11/18/2005	NP		58.70	3.00	25.00	8.89	49.81	1,200	420	<5.0	<5.0	<5.0	340	0.7	7.0	
	02/15/2006	NP		58.70	3.00	25.00	6.34	52.36	3,200	970	<10	<10	<10	1,100	0.9	6.1	
A-9	6/21/2000	--		53.04	5.00	40.00	8.56	44.48	<50	<0.5	<0.5	<0.5	<1.0	5	--	--	
	9/20/2000	--		53.04	5.00	40.00	9.05	43.99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	
	12/26/2000	--		53.04	5.00	40.00	8.49	44.55	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	
	3/20/2001	--		53.04	5.00	40.00	6.95	46.09	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	
	6/12/2001	--		53.04	5.00	40.00	8.67	44.37	<50	<0.5	<0.5	<0.5	<0.5	4.8	--	--	
	9/23/2001	--		53.04	5.00	40.00	9.21	43.83	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	
	12/31/2001	--		53.04	5.00	40.00	4.57	48.47	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	
	3/21/2002	--		53.04	5.00	40.00	5.60	47.44	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	
	4/17/2002	--		53.04	5.00	40.00	6.89	46.15	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	
	8/12/2002	P		53.04	5.00	40.00	8.71	44.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	4	7.6	
	12/6/2002	P		53.04	5.00	40.00	8.77	44.27	<50	<0.50	<0.50	<0.50	<0.50	<2.0	1.1	6.7	
	1/30/2003	P		53.04	5.00	40.00	6.88	46.16	<50	<0.50	<0.50	<0.50	<0.50	1.1	0.9	6.8	
	5/28/2003	--		53.04	5.00	40.00	9.75	43.29	<50	<0.50	<0.50	<0.50	<0.50	0.74	1.9	6.8	
	8/6/2003	--		53.04	5.00	40.00	9.00	44.04	<50	<0.50	<0.50	<0.50	<0.50	1.8	2.2	6.7	
	11/14/2003	--	d		53.04	5.00	40.00	8.82	44.22	--	--	--	--	--	--	--	
	02/02/2004	--	d, g		57.73	5.00	40.00	7.10	50.63	--	--	--	--	--	--	--	
	05/04/2004	--			57.73	5.00	40.00	8.12	49.61	--	--	--	--	--	--	--	
	09/02/2004	P			57.73	5.00	40.00	8.78	48.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.6	6.5
	11/10/2004	--			57.73	5.00	40.00	7.88	49.85	--	--	--	--	--	--	--	
	02/02/2005	--			57.73	5.00	40.00	6.40	51.33	--	--	--	--	--	--	--	
05/09/2005	--			57.73	5.00	40.00	6.82	50.91	--	--	--	--	--	--	--		
08/11/2005	P			57.73	5.00	40.00	8.37	49.36	<50	<0.50	<0.50	<0.50	<0.50	1.5	1.8	6.7	
11/18/2005	--			57.73	5.00	40.00	8.24	49.49	--	--	--	--	--	--	--		
02/15/2006	--			57.73	5.00	40.00	6.38	51.35	--	--	--	--	--	--	--		
A-10	6/21/2000	--		54.26	5.00	30.00	10.47	43.79	--	--	--	--	--	--	--		
	9/20/2000	--		54.26	5.00	30.00	10.76	43.50	--	--	--	--	--	--	--		
	12/26/2000	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--		
	3/20/2001	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--		
	9/23/2001	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--		
	12/31/2001	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--		
	3/21/2002	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--		

Table 1
Groundwater Elevation and Analytical Data
 ARCO Service Station #4931
 731 West 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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
A-10	4/17/2002	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--	--
	8/12/2002	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--	--
	12/6/2002	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--	--
	1/30/2003	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--	--
	5/28/2003	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--	--
	8/6/2003	--		54.26	5.00	30.00	--	--	--	--	--	--	--	--	--	--
	11/14/2003	--		54.26	5.00	30.00	10.37	43.89	--	--	--	--	--	--	--	--
	02/02/2004	--	g	59.39	5.00	30.00	7.97	51.42	--	--	--	--	--	--	--	--
	05/04/2004	--		59.39	5.00	30.00	8.69	50.70	--	--	--	--	--	--	--	--
	09/02/2004	P		59.39	5.00	30.00	10.55	48.84	<500	<5.0	<5.0	<5.0	<5.0	270	0.8	6.6
	11/10/2004	--		59.39	5.00	30.00	9.16	50.23	--	--	--	--	--	--	--	--
	02/02/2005	--		59.39	5.00	30.00	7.90	51.49	--	--	--	--	--	--	--	--
	05/09/2005	--		59.39	5.00	30.00	8.21	51.18	--	--	--	--	--	--	--	--
	08/11/2005	P	h, i	59.39	5.00	30.00	10.02	49.37	69	<0.50	<0.50	<0.50	<0.50	97	0.9	6.6
	11/18/2005	--		59.39	5.00	30.00	9.86	49.53	--	--	--	--	--	--	--	--
	02/15/2006	--		59.39	5.00	30.00	7.53	51.86	--	--	--	--	--	--	--	--
A-11	6/21/2000	--		53.74	5.00	30.00	9.54	44.20	<50	<0.5	<0.5	<0.5	<1.0	4	--	--
	9/20/2000	--		53.74	5.00	30.00	10.62	43.12	--	--	--	--	--	--	--	--
	12/26/2000	--		53.74	5.00	30.00	10.03	43.71	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	3/20/2001	--		53.74	5.00	30.00	8.49	45.25	--	--	--	--	--	--	--	--
	6/12/2001	--		53.74	5.00	30.00	10.21	43.53	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	9/23/2001	--		53.74	5.00	30.00	10.77	42.97	--	--	--	--	--	--	--	--
	12/31/2001	--		53.74	5.00	30.00	6.06	47.68	< 50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	--	--
	3/21/2002	--		53.74	5.00	30.00	7.14	46.60	--	--	--	--	--	--	--	--
	4/17/2002	--		53.74	5.00	30.00	8.41	45.33	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
	8/12/2002	--		53.74	5.00	30.00	10.25	43.49	--	--	--	--	--	--	--	--
	12/6/2002	P		53.74	5.00	30.00	10.43	43.31	<50	<0.50	<0.50	<0.50	<0.50	<2.0	2.4	6.7
	1/30/2003	--		53.74	5.00	30.00	8.42	45.32	--	--	--	--	--	--	--	--
	5/28/2003	--		53.74	5.00	30.00	9.30	44.44	<50	<0.50	<0.50	<0.50	<0.50	0.53	1.8	7
	8/6/2003	--		53.74	5.00	30.00	10.28	43.46	--	--	--	--	--	--	--	--
	11/14/2003	--		53.74	5.00	30.00	10.40	43.34	--	--	--	--	--	--	--	--
	02/02/2004	--	g	59.16	5.00	30.00	7.95	51.21	--	--	--	--	--	--	--	--
	05/04/2004	--		59.16	5.00	30.00	8.72	50.44	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West 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
A-11	09/02/2004	P		59.16	5.00	30.00	10.44	48.72	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.6
	11/10/2004	--		59.16	5.00	30.00	9.20	49.96	--	--	--	--	--	--	--	--
	02/02/2005	--		59.16	5.00	30.00	7.95	51.21	--	--	--	--	--	--	--	--
	05/09/2005	--		59.16	5.00	30.00	8.07	51.09	--	--	--	--	--	--	--	--
	08/11/2005	P	h	59.16	5.00	30.00	9.87	49.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.8	6.7
	11/18/2005	--		59.16	5.00	30.00	8.88	50.28	--	--	--	--	--	--	--	--
	02/15/2006	--		59.16	5.00	30.00	7.90	51.26	--	--	--	--	--	--	--	--
	A-12	6/21/2000	--		52.05	5.00	30.00	9.28	42.77	<50	<0.5	<0.5	<0.5	<1.0	18	--
	9/20/2000	--		52.05	5.00	30.00	9.55	42.50	--	--	--	--	--	--	--	--
	12/26/2000	--		52.05	5.00	30.00	9.05	43.00	< 50	< 0.5	< 0.5	< 0.5	<0.5	17.3	--	--
	3/20/2001	--		52.05	5.00	30.00	7.92	44.13	--	--	--	--	--	--	--	--
	6/12/2001	--		52.05	5.00	30.00	9.26	42.79	< 50	< 0.5	< 0.5	< 0.5	<0.5	25	--	--
	9/23/2001	--		52.05	5.00	30.00	9.68	42.37	--	--	--	--	--	--	--	--
	12/31/2001	--		52.05	5.00	30.00	5.74	46.31	< 50	< 0.5	< 0.5	< 0.5	<0.5	9.5	--	--
	3/21/2002	--		52.05	5.00	30.00	6.64	45.41	--	--	--	--	--	--	--	--
	4/17/2002	--		52.05	5.00	30.00	7.68	44.37	<50	<0.5	<0.5	<0.5	<0.5	29	--	--
	8/12/2002	--		52.05	5.00	30.00	9.30	42.75	--	--	--	--	--	--	--	--
	12/06/02	P	c	52.05	5.00	30.00	9.38	42.67	<50	<0.50	<0.50	<0.50	<0.50	13	2.3	6.5
	1/30/2003	--		52.05	5.00	30.00	7.87	44.18	--	--	--	--	--	--	--	--
	5/28/2003	--		52.05	5.00	30.00	8.51	43.54	50	<0.50	<0.50	<0.50	<0.50	10	1.4	7
	8/6/2003	--		52.05	5.00	30.00	9.28	42.77	--	--	--	--	--	--	--	--
	11/14/2003	--		52.05	5.00	30.00	9.37	42.68	--	--	--	--	--	--	--	--
	02/02/2004	P	g	57.06	5.00	30.00	7.90	49.16	<50	<0.50	<0.50	<0.50	<0.50	0.91	1.0	6.9
	05/04/2004	--		57.06	5.00	30.00	8.74	48.32	--	--	--	--	--	--	--	--
	09/02/2004	P		57.06	5.00	30.00	9.41	47.65	<50	<0.50	<0.50	<0.50	<0.50	6.2	1.1	6.5
	11/10/2004	--		57.06	5.00	30.00	8.32	48.74	--	--	--	--	--	--	--	--
	02/02/2005	P		57.06	5.00	30.00	7.45	49.61	<50	<0.50	<0.50	<0.50	<0.50	8.3	1.4	7.1
	05/09/2005	--		57.06	5.00	30.00	7.57	49.49	--	--	--	--	--	--	--	--
	08/11/2005	P	h	57.06	5.00	30.00	9.05	48.01	<50	<0.50	<0.50	<0.50	<0.50	5.4	0.9	6.4
	11/18/2005	--		57.06	5.00	30.00	8.90	48.16	--	--	--	--	--	--	--	--
	02/15/2006	--		57.06	5.00	30.00	7.47	49.59	--	--	--	--	--	--	--	--
A-13	6/21/2000	--		55.11	10.00	10.00	--	--	--	--	--	--	--	--	--	--
	9/20/2000	--		55.11	10.00	10.00	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West 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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
A-13	12/26/2000	--		55.11	10.00	10.00	--	--	--	--	--	--	--	--	--	--
	3/20/2001	--		55.11	10.00	10.00	--	--	--	--	--	--	--	--	--	--
	6/12/2001	--		55.11	10.00	10.00	--	--	--	--	--	--	--	--	--	--
	9/23/2001	--		55.11	10.00	10.00	--	--	--	--	--	--	--	--	--	--
	12/31/2001	--		55.11	10.00	10.00	--	--	--	--	--	--	--	--	--	--
	3/21/2002	--		55.11	10.00	10.00	6.70	48.41	--	--	--	--	--	--	--	--
	4/17/2002	--		55.11	10.00	10.00	7.95	47.16	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
	8/12/2002	--		55.11	10.00	10.00	10.11	45.00	--	--	--	--	--	--	--	--
	12/6/2002	--		55.11	10.00	10.00	10.26	44.85	--	--	--	--	--	--	--	--
	1/30/2003	--		55.11	10.00	10.00	7.81	47.30	--	--	--	--	--	--	--	--
	5/28/2003	--		55.11	10.00	10.00	9.06	46.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	6.5
	8/6/2003	--		55.11	10.00	10.00	10.22	44.89	--	--	--	--	--	--	--	--
	11/14/2003	--		55.11	10.00	10.00	10.27	44.84	--	--	--	--	--	--	--	--
	02/02/2004	--	g	60.26	10.00	10.00	7.92	52.34	--	--	--	--	--	--	--	--
	05/04/2004	--		60.26	10.00	10.00	10.06	50.20	--	--	--	--	--	--	--	--
	09/02/2004	P		60.26	10.00	10.00	10.34	49.92	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	6.6
	11/10/2004	--		60.26	10.00	10.00	8.95	51.31	--	--	--	--	--	--	--	--
	02/02/2005	--		60.26	10.00	10.00	7.28	52.98	--	--	--	--	--	--	--	--
	05/09/2005	--		60.26	10.00	10.00	7.85	52.41	--	--	--	--	--	--	--	--
	08/11/2005	--		60.26	10.00	10.00	9.70	50.56	--	--	--	--	--	--	--	--
	11/18/2005	--		60.26	10.00	10.00	9.27	50.99	--	--	--	--	--	--	--	--
	02/15/2006	--		60.26	10.00	10.00	7.24	53.02	--	--	--	--	--	--	--	--
AR-1	6/21/2000	--		54.72	10.00	30.00	--	--	--	--	--	--	--	--	--	--
	9/20/2000	--		54.72	10.00	30.00	--	--	--	--	--	--	--	--	--	--
	12/26/2000	--		54.72	10.00	30.00	9.95	44.77	--	--	--	--	--	--	--	--
	3/20/2001	--		54.72	10.00	30.00	8.34	46.38	--	--	--	--	--	--	--	--
	6/12/2001	--		54.72	10.00	30.00	10.17	44.55	--	--	--	--	--	--	--	--
	9/23/2001	--		54.72	10.00	30.00	10.72	44.00	--	--	--	--	--	--	--	--
	12/31/2001	--		54.72	10.00	30.00	5.91	48.81	--	--	--	--	--	--	--	--
	3/21/2002	--		54.72	10.00	30.00	7.00	47.72	--	--	--	--	--	--	--	--
	4/17/2002	--		54.72	10.00	30.00	8.33	46.39	--	--	--	--	--	--	--	--
	8/12/2002	--		54.72	10.00	30.00	10.18	44.54	--	--	--	--	--	--	--	--
	12/6/2002	--		54.72	10.00	30.00	10.21	44.51	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West 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
AR-1	1/30/2003	--		54.72	10.00	30.00	8.22	46.50	--	--	--	--	--	--	--	--
	5/28/2003	--		54.72	10.00	30.00	9.62	45.10	--	--	--	--	--	--	--	--
	8/6/2003	--		54.72	10.00	30.00	10.47	44.25	--	--	--	--	--	--	--	--
	11/14/2003	--	d	54.72	10.00	30.00	10.40	44.32	--	--	--	--	--	--	--	--
	02/02/2004	--	d, g	59.52	10.00	30.00	7.96	51.56	--	--	--	--	--	--	--	--
	05/04/2004	--	d	59.52	10.00	30.00	10.17	49.35	--	--	--	--	--	--	--	--
	09/02/2004	--		59.52	10.00	30.00	10.28	49.24	--	--	--	--	--	--	--	--
	11/10/2004	--		59.52	10.00	30.00	9.15	50.37	--	--	--	--	--	--	--	--
	02/02/2005	--		59.52	10.00	30.00	7.80	51.72	--	--	--	--	--	--	--	--
	05/09/2005	--		59.52	10.00	30.00	7.03	52.49	--	--	--	--	--	--	--	--
	08/11/2005	--		59.52	10.00	30.00	9.82	49.70	--	--	--	--	--	--	--	--
	11/18/2005	--		59.52	10.00	30.00	9.83	49.69	--	--	--	--	--	--	--	--
	02/15/2006	--		59.52	10.00	30.00	7.78	51.74	--	--	--	--	--	--	--	--
AR-2	6/21/2000	--		54.77	8.00	28.00	--	--	--	--	--	--	--	--	--	--
	9/20/2000	--		54.77	8.00	28.00	--	--	--	--	--	--	--	--	--	--
	12/26/2000	--		54.77	8.00	28.00	--	--	--	--	--	--	--	--	--	--
	3/20/2001	--		54.77	8.00	28.00	3.13	51.64	--	--	--	--	--	--	--	--
	6/12/2001	--		54.77	8.00	28.00	4.51	50.26	--	--	--	--	--	--	--	--
	9/23/2001	--		54.77	8.00	28.00	6.05	48.72	--	--	--	--	--	--	--	--
	12/31/2001	--		54.77	8.00	28.00	2.79	51.98	--	--	--	--	--	--	--	--
	3/21/2002	--		54.77	8.00	28.00	7.75	47.02	--	--	--	--	--	--	--	--
	4/17/2002	--		54.77	8.00	28.00	2.24	52.53	--	--	--	--	--	--	--	--
	8/12/2002	--		54.77	8.00	28.00	4.93	49.84	--	--	--	--	--	--	--	--
	12/6/2002	--		54.77	8.00	28.00	6.09	48.68	--	--	--	--	--	--	--	--
	1/30/2003	--		54.77	8.00	28.00	3.89	50.88	--	--	--	--	--	--	--	--
	5/28/2003	--		54.77	8.00	28.00	3.33	51.44	--	--	--	--	--	--	--	--
	8/6/2003	--		54.77	8.00	28.00	5.05	49.72	--	--	--	--	--	--	--	--
	11/14/2003	--		54.77	8.00	28.00	6.01	48.76	--	--	--	--	--	--	--	--
	02/02/2004	--	g	59.18	8.00	28.00	3.88	55.30	--	--	--	--	--	--	--	--
	05/04/2004	--		59.18	8.00	28.00	6.01	53.17	--	--	--	--	--	--	--	--
	09/02/2004	--		59.18	8.00	28.00	5.65	53.53	--	--	--	--	--	--	--	--
	11/10/2004	--		59.18	8.00	28.00	5.48	53.70	--	--	--	--	--	--	--	--
	02/02/2005	--		59.18	8.00	28.00	2.62	56.56	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #4931

731 West 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
AR-2	05/09/2005	--		59.18	8.00	28.00	2.84	56.34	--	--	--	--	--	--	--	--
	08/11/2005	--		59.18	8.00	28.00	4.33	54.85	--	--	--	--	--	--	--	--
	11/18/2005	--		59.18	8.00	28.00	5.34	53.84	--	--	--	--	--	--	--	--
	02/15/2006	--		59.18	8.00	28.00	2.49	56.69	--	--	--	--	--	--	--	--
AR-3	6/21/2000	--		54.19	10.00	30.00	--	--	--	--	--	--	--	--	--	--
	9/20/2000	--		54.19	10.00	30.00	--	--	--	--	--	--	--	--	--	--
	12/26/2000	--		54.19	10.00	30.00	9.70	44.49	--	--	--	--	--	--	--	--
	3/20/2001	--		54.19	10.00	30.00	--	--	--	--	--	--	--	--	--	--
	6/12/2001	--		54.19	10.00	30.00	--	--	--	--	--	--	--	--	--	--
	9/23/2001	--		54.19	10.00	30.00	10.43	43.76	--	--	--	--	--	--	--	--
	12/31/2001	--		54.19	10.00	30.00	5.18	49.01	--	--	--	--	--	--	--	--
	3/21/2002	--		54.19	10.00	30.00	6.78	47.41	--	--	--	--	--	--	--	--
	4/17/2002	--		54.19	10.00	30.00	8.06	46.13	--	--	--	--	--	--	--	--
	8/12/2002	--		54.19	10.00	30.00	9.94	44.25	--	--	--	--	--	--	--	--
	12/6/2002	--		54.19	10.00	30.00	9.99	44.20	--	--	--	--	--	--	--	--
	1/30/2003	--		54.19	10.00	30.00	7.96	46.23	--	--	--	--	--	--	--	--
	5/28/2003	--		54.19	10.00	30.00	8.94	45.25	--	--	--	--	--	--	--	--
	8/6/2003	--		54.19	10.00	30.00	9.94	44.25	--	--	--	--	--	--	--	--
	11/14/2003	--		54.19	10.00	30.00	10.03	44.16	--	--	--	--	--	--	--	--
	02/02/2004	--	g	59.10	10.00	30.00	6.90	52.20	--	--	--	--	--	--	--	--
	05/04/2004	--		59.10	10.00	30.00	9.12	49.98	--	--	--	--	--	--	--	--
	09/02/2004	--		59.10	10.00	30.00	10.15	48.95	--	--	--	--	--	--	--	--
	11/10/2004	--		59.10	10.00	30.00	8.79	50.31	--	--	--	--	--	--	--	--
	02/02/2005	--		59.10	10.00	30.00	7.30	51.80	--	--	--	--	--	--	--	--
05/09/2005	--		59.10	10.00	30.00	7.71	51.39	--	--	--	--	--	--	--	--	
08/11/2005	--		59.10	10.00	30.00	9.54	49.56	--	--	--	--	--	--	--	--	
11/18/2005	--		59.10	10.00	30.00	9.43	49.67	--	--	--	--	--	--	--	--	
02/15/2006	--		59.10	10.00	30.00	7.50	51.60	--	--	--	--	--	--	--	--	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station #4931
731 West MacArthur Blvd., Oakland, CA

SYMBOLS AND ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above laboratory reporting limit
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
BTEX = Benzene, toluene, ethylbenzene and xylenes

FOOTNOTES:

a = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel for GRO/TPH-g.
b = The concentration indicated for this analyte (MTBE) was an estimated value above the calibration range of the instrument.
c = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
d = ORC sock in well.
e = Well inaccessible; well paved over.
f = Sheen in well.
g = Well surveyed to NAVD '88 datum on January 28, 2004.
h = Possible low bias due to CCV falling outside acceptance criteria for GRO.
i = Hydrocarbon result partly due to individual peak(s) in quantitative range for GRO.

NOTES:

Top and bottom of screen measurements for wells A-2 through A-5 were estimated from the EMCON sampling sheet.

Beginning in the first quarter 2003 (1/30/2003), groundwater samples were analyzed by EPA method 8260B for TPH-g, BTEX, and fuel oxygenates. Prior to 1/30/03, TPH-g was analyzed using EPA Method 8015B modified and MTBE by 8021B unless otherwise noted.

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-TPHg 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.

Values for DO and pH were obtained through field measurements.

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

Table 2

Fuel Additives Analytical Data
ARCO Service Station #4931
731 West 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)	Footnotes/Comments
A-2	1/30/2003	<40	<20	--	<0.50	<0.50	<0.50	--	--	a
	5/28/2003	<100	<20	1.1	<0.50	<0.50	<0.50	--	--	
	8/6/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/02/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/11/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-3	1/30/2003	--	--	--	--	--	--	--	--	
	5/28/2003	<100	<20	43	<0.50	<0.50	24	--	--	
	8/6/2003	--	--	--	--	--	--	--	--	
	02/02/2004	<100	<20	13	<0.50	<0.50	4.6	<0.50	<0.50	
	09/02/2004	<500	<100	62	<2.5	<2.5	15	<2.5	<2.5	
	02/02/2005	<100	<20	6.8	<0.50	<0.50	2.4	<0.50	<0.50	b
	08/11/2005	<100	<20	39	<0.50	<0.50	4.2	<0.50	<0.50	
	02/15/2006	<300	<20	2.2	<0.50	<0.50	0.58	<0.50	<0.50	
A-4	1/30/2003	<4,000	<2,000	2,100	<50	<50	530	--	--	a
	5/28/2003	<10,000	<2,000	2,500	<50	<50	590	--	--	
	8/6/2003	<5,000	<1,000	2,500	<25	<25	560	<25	<25	
	11/14/2003	<1,000	320	310	<5.0	<5.0	76	--	--	
	02/02/2004	<5,000	<1,000	1,500	<25	<25	350	<25	<25	
	05/04/2004	<10,000	<2,000	2,300	<50	<50	510	<50	<50	
	09/02/2004	<5,000	1,200	1,200	<25	<25	280	<25	<25	
	11/10/2004	<2,000	910	1,100	<10	<10	270	<10	<10	
	02/02/2005	<2,000	2,100	1,700	<10	<10	430	<10	<10	b
	05/09/2005	<10,000	2,000	1,800	<50	<50	460	<50	<50	
	08/11/2005	<2,000	2,400	1,200	<10	<10	310	<10	<10	
	11/18/2005	<500	1,400	310	<2.5	<2.5	98	<2.5	<2.5	b
	02/15/2006	<1,500	2,700	910	<2.5	<2.5	270	<2.5	<2.5	
A-5	1/30/2003	--	--	--	--	--	--	--	--	
	5/28/2003	<10,000	<2,000	1,500	<50	<50	620	--	--	
	8/6/2003	--	--	--	--	--	--	--	--	
	02/02/2004	<500	170	140	<2.5	<2.5	54	<2.5	<2.5	
	09/02/2004	<500	150	66	<2.5	<2.5	29	<2.5	<2.5	
02/02/2005	<100	840	17	<0.50	<0.50	7.6	<0.50	<0.50		

Table 2

Fuel Additives Analytical Data
ARCO Service Station #4931
731 West 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)	Footnotes/ Comments
A-5	08/11/2005	<100	530	6.8	<0.50	<0.50	7.1	<0.50	<0.50	
	02/15/2006	<300	460	5.1	<0.50	<0.50	4.2	<0.50	<0.50	
A-7	1/30/2003	--	--	--	--	--	--	--	--	
	5/28/2003	<100	<20	3.8	<0.50	<0.50	0.94	--	--	
	8/6/2003	--	--	--	--	--	--	--	--	
	09/02/2004	<100	<20	8.9	<0.50	<0.50	3.0	<0.50	<0.50	
	08/11/2005	<100	<20	18	<0.50	<0.50	4.4	<0.50	<0.50	
A-8	1/30/2003	<8,000	<4,000	2,200	<100	<100	900	--	--	a
	5/28/2003	<10,000	<2,000	2,100	<50	<50	1,100	--	--	
	8/6/2003	<10,000	<2,000	3,000	<50	<50	1,200	<50	<50	
	11/14/2003	<1,000	<200	850	<5.0	<5.0	320	--	--	
	02/02/2004	<5,000	<1,000	1,100	<25	<25	380	<25	<25	
	05/04/2004	<10,000	<2,000	1,600	<50	<50	440	<50	<50	
	09/02/2004	<5,000	<1,000	680	<25	<25	170	<25	<25	
	11/10/2004	<500	<100	290	<2.5	<2.5	66	<2.5	<2.5	
	02/02/2005	<5,000	<1,000	1,900	<25	<25	510	<25	<25	b
	05/09/2005	<100	<20	66	<0.50	<0.50	2.9	<0.50	<0.50	
	08/11/2005	<2,500	<500	1,100	<12	<12	310	<12	<12	
	11/18/2005	<1,000	<200	340	<5.0	<5.0	120	<5.0	<5.0	b
02/15/2006	<6,000	880	1,100	<10	<10	330	<10	<10		
A-9	1/30/2003	<40	<20	1.1	<0.50	<0.50	<0.50	--	--	
	5/28/2003	<100	<20	0.74	<0.50	<0.50	<0.50	--	--	
	8/6/2003	<100	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/02/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/11/2005	<100	<20	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	
A-10	09/02/2004	<1,000	<200	270	<5.0	<5.0	44	<5.0	<5.0	
	08/11/2005	<100	<20	97	<0.50	<0.50	14	<0.50	<0.50	
A-11	1/30/2003	--	--	--	--	--	--	--	--	
	5/28/2003	<100	<20	0.53	<0.50	<0.50	<0.50	--	--	
	8/6/2003	--	--	--	--	--	--	--	--	
	09/02/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data
 ARCO Service Station #4931
 731 West 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)	Footnotes/ Comments
A-11	08/11/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-12	1/30/2003	--	--	--	--	--	--	--	--	
	5/28/2003	<100	<20	10	<0.50	<0.50	2.5	--	--	
	8/6/2003	--	--	--	--	--	--	--	--	
	02/02/2004	<100	<20	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/02/2004	<100	<20	6.2	<0.50	<0.50	1.7	<0.50	<0.50	
	02/02/2005	<100	<20	8.3	<0.50	<0.50	2.2	<0.50	<0.50	b
	08/11/2005	<100	<20	5.4	<0.50	<0.50	1.1	<0.50	<0.50	
A-13	1/30/2003	--	--	--	--	--	--	--	--	
	5/28/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	8/6/2003	--	--	--	--	--	--	--	--	
	09/02/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data
ARCO Service Station #4931
731 West MacArthur Blvd., Oakland, CA

ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above the laboratory reporting limit
1,2-DCA = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
EDB = 1,2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol
µg/L = Micrograms per Liter

FOOTNOTES:

a = The result for TBA was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
b = The calibration verification for ethanol was within the method limits but outside the contract limits.

NOTES:

All volatile organic compounds analyzed using EPA Method 8260B.

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

Table 3

Groundwater Gradient Data
ARCO Service Station #4931
731 West MacArthur Blvd., Oakland, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
6/21/2000	West-Southwest	0.031
9/20/2000	Southwest	0.013
12/26/2000	West	0.028
3/20/2001	West	0.046
6/12/2001	West	0.014
9/23/2001	West	0.012
12/31/2001	West	0.024
3/21/2002	West	0.047
4/17/2002	West	0.03
8/12/2002	West	0.016
12/6/2002	West	0.015
1/30/2003	West	Variable
5/28/2003	West	0.022 a
8/6/2003	West-Southwest	0.018
11/14/2003	West	0.02
2/2/2004	West	0.04
5/4/2004	West to North	0.025 to 0.033
9/2/2004	West	0.033
11/10/2004	West	0.031
2/2/2005	West-Southwest	0.04
5/9/2005	Northwest-Southwest	0.04
8/11/2005	West	0.02
11/18/2005	West	0.03
2/15/2006	Southwest	0.04

FOOTNOTES:

a = Using wells AR-1 and A-9

NOTES:

The data within this table collected prior to August 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 TeflonTM 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 # 060215-DWI Date 02/15/06 Client 4931

Site 731 W MacArthur Blvd

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 <u>FOC</u>		
A-2	4					3.89	19.44	↓		
A-3	4					4.36	16.25			
A-4	4					7.12	19.50			
A-5	3					7.16	24.43			
A-7	3					6.51	22.39			
A-8	3					6.34	17.61			NPO 2'
A-9	6					6.38	37.55			
A-10	3					7.53	29.72			
A-11	3					7.90	30.70			
A-12	3					7.47	29.79			
A-13	3					7.24	29.03			
AR-1	6					7.78	28.12			
AR-2	6					2.49	26.32			
AR-3	4					7.50	28.68			

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060215-DW1	Station # 4931
Sampler: DW 57	Date: 02/15/06
Well I.D.: A-3	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 16.25	Depth to Water: 4.36
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 Sampling Method: Bailer
 Disposable Bailer Disposable Bailer
 Positive Air Displacement Extraction Port
 Electric Submersible Other: _____
 Extraction Pump
 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	x	3	=	24	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
0918	58.8	7.1	670	8	clear
0918	Well dewatered @ 8 gals/min DTW = 14.36				
0950	60.4	7.2	556	—	DTW = 8.91

Did well dewater? Yes No Gallons actually evacuated: 8

Sampling Time: 0950 Sampling Date: 02/15/06

Sample I.D.: A-3 Laboratory: Pace Sequoia Other _____

Analyzed for: GRO BTEX MTBE DRO Oxy's 2-DCA BDB Ethanol Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060215-DW1</u>	Station # <u>4931</u>
Sampler: <u>DW, J7</u>	Date: <u>02/15/06</u>
Well I.D.: <u>A-4</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth: <u>19.50</u>	Depth to Water: <u>7.12</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YST</u> HACH

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

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

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

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

<u>8</u>	x	<u>3</u>	=	<u>24</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>0938</u>	<u>61.7</u>	<u>6.8</u>	<u>1303</u>	<u>8</u>	
	<u>Well dewatered @ 8 gal.</u>			<u>DTW = 17.70</u>	
<u>1010</u>	<u>63.6</u>	<u>6.8</u>	<u>1292</u>	<u>→</u>	<u>DTW = 14.30</u>

Did well dewater? Yes No Gallons actually evacuated: 8

Sampling Time: 1010 Sampling Date: 02/15/06

Sample I.D.: A-4 Laboratory: Pace Sequoia Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>0.9</u>	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060215-DW1</u>	Station # <u>4931</u>
Sampler: <u>DW, JD</u>	Date: <u>02/15/06</u>
Well I.D.: <u>A-5</u>	Well Diameter: 2 <u>(3)</u> 4 6 8
Total Well Depth: <u>24.43</u>	Depth to Water: <u>7.16</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer
 Positive Air Displacement Extraction Port
 Electric Submersible Other: _____
 Extraction Pump

Other: _____

Top of Screen: 24.3 If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>6.4</u>	x	<u>3</u>	=	<u>19.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
0927	52.3	6.7	1011	6.4	brown, cloudy
0929	64.3	6.6	989	12.8	" "
0929	Well dewatered @ 13 gallons DTW => 22.23				
1000	63.8	6.9	762	—	DTW = 7.41

Did well dewater? Yes No Gallons actually evacuated: 13

Sampling Time: 1000 Sampling Date: 02/15/06

Sample I.D.: A-5 Laboratory: Pace Sequoia Other _____

Analyzed for: ORO BTX MTBE DRO oxy's 1,2-DCA ADP Etano Other: _____

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>060215-DW1</u>	Station # <u>4931</u>
Sampler: <u>DW, JD</u>	Date: <u>02/15/06</u>
Well I.D.: <u>A-8</u>	Well Diameter: 2 <u>(3)</u> 4 6 8 _____
Total Well Depth: <u>17.61</u>	Depth to Water: <u>6.34</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade.	D.O. Meter (if req'd): <u>YSI</u> HACH

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

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

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

Top of Screen: 2' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

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

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
0848	61.1	6.1	1090	—	

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Time: 0848 Sampling Date: 02/15/06

Sample I.D.: A-8 Laboratory: Pace Sequoia Other _____

Analyzed for: GRO BTX MTBE DRO Oxy's 1,2-DCs EDB Ethanol Other: _____

D.O. (if req'd):	Pre-purge:	mg/L		Post-purge:	0.9 mg/L
O.R.P. (if req'd):	Pre-purge:	mV		Post-purge:	mV

BP GEM OIL COMPANY TYPE A BILL OF LADING

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

4931

Station # _____

731 W. MacArthur Blvd Oakland
 Station Address _____

Total Gallons Collected From Groundwater Monitoring Wells:
 29 _____

added equip. _____ any other adjustments _____
 rinse water 2 _____

TOTAL GALS. RECOVERED 31 loaded onto BTS vehicle # 63

BTS event # _____ time _____ date _____
060215-DW-1 1015 215106

signature David G. Galt

 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.



6 March, 2006

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

RE: ARCO #4931, Oakland, CA
Work Order: MPB0831

Enclosed are the results of analyses for samples received by the laboratory on 02/15/06 17:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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



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

Project: ARCO #4931, Oakland, CA
Project Number: G0C8C-0010
Project Manager: Barbara Jakub

MPB0831
Reported:
03/06/06 13:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-4	MPB0831-01	Water	02/15/06 10:10	02/15/06 17:40
A-5	MPB0831-02	Water	02/15/06 10:00	02/15/06 17:40
A-3	MPB0831-03	Water	02/15/06 09:50	02/15/06 17:40
A-8	MPB0831-04	Water	02/15/06 08:48	02/15/06 17:40
TB-4931-02152006	MPB0831-05	Water	02/15/06 00:00	02/15/06 17:40

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

These samples were received with no custody seals.



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

Project: ARCO #4931, Oakland, CA
Project Number: G0C8C-0010
Project Manager: Barbara Jakub

MPB0831
Reported:
03/06/06 13:31

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-4 (MPB0831-01) Water Sampled: 02/15/06 10:10 Received: 02/15/06 17:40									
tert-Amyl methyl ether	270	2.5	ug/l	5	6B28019	02/28/06	03/01/06	EPA 8260B	
Benzene	46	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	2700	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	1500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	29	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	910	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	7.0	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	2200	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		76 %		60-135	"	"	"	"	
Surrogate: Toluene-d8		89 %		70-120	"	"	"	"	
Surrogate: Dibromofluoromethane		83 %		65-130	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88 %		70-120	"	"	"	"	
A-5 (MPB0831-02) Water Sampled: 02/15/06 10:00 Received: 02/15/06 17:40									
tert-Amyl methyl ether	4.2	0.50	ug/l	1	6B28019	02/28/06	03/01/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	460	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	5.1	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		76 %		60-135	"	"	"	"	
Surrogate: Toluene-d8		92 %		70-120	"	"	"	"	
Surrogate: Dibromofluoromethane		89 %		65-130	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86 %		70-120	"	"	"	"	

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 Project Number: G0C8C-0010
 Project Manager: Barbara Jakub

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 03/06/06 13:31

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-3 (MPB0831-03) Water Sampled: 02/15/06 09:50 Received: 02/15/06 17:40									
tert-Amyl methyl ether	0.58	0.50	ug/l	1	6B28019	02/28/06	03/01/06	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	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	2.2	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83 %		60-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		86 %		70-120	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		91 %		65-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91 %		70-120	"	"	"	"	
A-8 (MPB0831-04) Water Sampled: 02/15/06 08:48 Received: 02/15/06 17:40									
tert-Amyl methyl ether	330	10	ug/l	20	6C01004	03/01/06	03/01/06	EPA 8260B	
Benzene	970	10	"	"	"	"	"	"	
tert-Butyl alcohol	880	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Ethanol	ND	6000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	1100	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	3200	1000	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %		60-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		85 %		70-120	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		97 %		65-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83 %		70-120	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6B28019 - EPA 5030B P/T / EPA 8260B
Blank (6B28019-BLK1)

Prepared & Analyzed: 02/28/06

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	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.54</i>		<i>"</i>	<i>5.00</i>		<i>91</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>4.42</i>		<i>"</i>	<i>5.00</i>		<i>88</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.93</i>		<i>"</i>	<i>5.00</i>		<i>99</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.31</i>		<i>"</i>	<i>5.00</i>		<i>86</i>	<i>70-120</i>			

Laboratory Control Sample (6B28019-BS1)

Prepared & Analyzed: 02/28/06

tert-Amyl methyl ether	14.5	0.50	ug/l	16.3		89	80-115			
Benzene	4.85	0.50	"	5.04		96	65-115			
tert-Butyl alcohol	161	5.0	"	169		95	75-150			
Di-isopropyl ether	15.8	0.50	"	16.2		98	75-125			
1,2-Dibromoethane (EDB)	16.8	0.50	"	16.6		101	85-120			
1,2-Dichloroethane	13.8	0.50	"	15.5		89	85-130			
Ethanol	187	300	"	165		113	70-135			
Ethyl tert-butyl ether	14.3	0.50	"	16.4		87	75-130			
Ethylbenzene	7.05	0.50	"	7.28		97	75-135			
Methyl tert-butyl ether	6.81	0.50	"	7.84		87	65-125			
Toluene	35.5	0.50	"	38.0		93	85-120			
Xylenes (total)	35.9	0.50	"	40.8		88	85-125			
Gasoline Range Organics (C4-C12)	431	50	"	440		98	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.48</i>		<i>"</i>	<i>5.00</i>		<i>90</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>4.56</i>		<i>"</i>	<i>5.00</i>		<i>91</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.64</i>		<i>"</i>	<i>5.00</i>		<i>93</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.54</i>		<i>"</i>	<i>5.00</i>		<i>91</i>	<i>70-120</i>			

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 Project Manager: Barbara Jakub

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6B28019 - EPA 5030B P/T / EPA 8260B

Matrix Spike (6B28019-MS1)	Source: MPB0829-09			Prepared: 02/28/06		Analyzed: 03/01/06				
tert-Amyl methyl ether	15.2	0.50	ug/l	16.3	0.36	91	80-115			
Benzene	7.07	0.50	"	5.04	2.1	99	65-115			LM
tert-Butyl alcohol	192	5.0	"	169	24	99	75-120			
Di-isopropyl ether	16.1	0.50	"	16.2	ND	99	75-125			
1,2-Dibromoethane (EDB)	16.7	0.50	"	16.6	ND	101	85-120			
1,2-Dichloroethane	14.5	0.50	"	15.5	ND	94	85-130			
Ethanol	165	300	"	165	ND	100	70-135			
Ethyl tert-butyl ether	14.3	0.50	"	16.4	ND	87	75-130			
Ethylbenzene	7.32	0.50	"	7.28	ND	101	75-135			
Methyl tert-butyl ether	34.1	0.50	"	7.84	29	65	65-125			LM
Toluene	36.4	0.50	"	38.0	0.11	96	85-120			
Xylenes (total)	39.1	0.50	"	40.8	ND	96	85-125			
Gasoline Range Organics (C4-C12)	634	50	"	440	210	96	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.59</i>		<i>"</i>	<i>5.00</i>		<i>92</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>4.71</i>		<i>"</i>	<i>5.00</i>		<i>94</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.60</i>		<i>"</i>	<i>5.00</i>		<i>92</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.95</i>		<i>"</i>	<i>5.00</i>		<i>99</i>	<i>70-120</i>			

Matrix Spike Dup (6B28019-MSD1)	Source: MPB0829-09			Prepared: 02/28/06		Analyzed: 03/01/06				
tert-Amyl methyl ether	15.2	0.50	ug/l	16.3	0.36	91	80-115	0	15	
Benzene	6.93	0.50	"	5.04	2.1	96	65-115	2	20	LM
tert-Butyl alcohol	184	5.0	"	169	24	95	75-120	4	25	
Di-isopropyl ether	15.8	0.50	"	16.2	ND	98	75-125	2	15	
1,2-Dibromoethane (EDB)	16.0	0.50	"	16.6	ND	96	85-120	4	15	
1,2-Dichloroethane	13.4	0.50	"	15.5	ND	86	85-130	8	20	
Ethanol	160	300	"	165	ND	97	70-135	3	35	
Ethyl tert-butyl ether	14.1	0.50	"	16.4	ND	86	75-130	1	25	
Ethylbenzene	6.90	0.50	"	7.28	ND	95	75-135	6	15	
Methyl tert-butyl ether	33.5	0.50	"	7.84	29	57	65-125	2	20	LM
Toluene	35.6	0.50	"	38.0	0.11	93	85-120	2	20	
Xylenes (total)	37.0	0.50	"	40.8	ND	91	85-125	6	20	
Gasoline Range Organics (C4-C12)	569	50	"	440	210	82	60-140	11	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.29</i>		<i>"</i>	<i>5.00</i>		<i>86</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>4.81</i>		<i>"</i>	<i>5.00</i>		<i>96</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.44</i>		<i>"</i>	<i>5.00</i>		<i>89</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.55</i>		<i>"</i>	<i>5.00</i>		<i>91</i>	<i>70-120</i>			

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 Project Manager: Barbara Jakub

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C01004 - EPA 5030B P/T / EPA 8260B
Blank (6C01004-BLK1)

Prepared & Analyzed: 03/01/06

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.35		"	5.00		87	60-135			
<i>Surrogate: Toluene-d8</i>	4.50		"	5.00		90	70-120			
<i>Surrogate: Dibromofluoromethane</i>	4.98		"	5.00		100	65-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	4.08		"	5.00		82	70-120			

Laboratory Control Sample (6C01004-BS1)

Prepared & Analyzed: 03/01/06

tert-Amyl methyl ether	14.4	0.50	ug/l	16.3		88	80-115			
Benzene	4.80	0.50	"	5.04		95	65-115			
tert-Butyl alcohol	154	20	"	169		91	75-150			
Di-isopropyl ether	15.3	0.50	"	16.2		94	75-125			
1,2-Dibromoethane (EDB)	16.4	0.50	"	16.6		99	85-120			
1,2-Dichloroethane	13.9	0.50	"	15.5		90	85-130			
Ethanol	176	300	"	165		107	70-135			
Ethyl tert-butyl ether	13.6	0.50	"	16.4		83	75-130			
Ethylbenzene	7.10	0.50	"	7.28		98	75-135			
Methyl tert-butyl ether	6.72	0.50	"	7.84		86	65-125			
Toluene	35.2	0.50	"	38.0		93	85-120			
Xylenes (total)	36.9	0.50	"	40.8		90	85-125			
Gasoline Range Organics (C4-C12)	436	50	"	440		99	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.27		"	5.00		85	60-135			
<i>Surrogate: Toluene-d8</i>	4.86		"	5.00		97	70-120			
<i>Surrogate: Dibromofluoromethane</i>	4.73		"	5.00		95	65-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	4.44		"	5.00		89	70-120			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C01004 - EPA 5030B P/T / EPA 8260B

Matrix Spike (6C01004-MS1)	Source: MPB0999-01			Prepared & Analyzed: 03/01/06						
tert-Amyl methyl ether	151	5.0	ug/l	163	9.0	87	80-115			
Benzene	184	5.0	"	50.4	140	87	65-115			
tert-Butyl alcohol	1950	200	"	1690	360	94	75-120			
Di-isopropyl ether	143	5.0	"	162	ND	88	75-125			
1,2-Dibromoethane (EDB)	169	5.0	"	166	ND	102	85-120			
1,2-Dichloroethane	145	5.0	"	155	2.3	92	85-130			
Ethanol	1440	3000	"	1650	ND	87	70-135			
Ethyl tert-butyl ether	130	5.0	"	164	2.1	78	75-130			
Ethylbenzene	110	5.0	"	72.8	36	102	75-135			
Methyl tert-butyl ether	548	5.0	"	78.4	540	10	65-125			BB, LN
Toluene	373	5.0	"	380	18	93	85-120			
Xylenes (total)	627	5.0	"	408	240	95	85-125			
Gasoline Range Organics (C4-C12)	6680	500	"	4400	2100	104	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.52</i>		<i>"</i>	<i>5.00</i>		<i>90</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>4.73</i>		<i>"</i>	<i>5.00</i>		<i>95</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.59</i>		<i>"</i>	<i>5.00</i>		<i>92</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.52</i>		<i>"</i>	<i>5.00</i>		<i>90</i>	<i>70-120</i>			

Matrix Spike Dup (6C01004-MSD1)	Source: MPB0999-01			Prepared & Analyzed: 03/01/06						
tert-Amyl methyl ether	145	5.0	ug/l	163	9.0	83	80-115	4	15	
Benzene	171	5.0	"	50.4	140	62	65-115	7	20	LN
tert-Butyl alcohol	2000	200	"	1690	360	97	75-120	3	25	
Di-isopropyl ether	144	5.0	"	162	ND	89	75-125	0.7	15	
1,2-Dibromoethane (EDB)	154	5.0	"	166	ND	93	85-120	9	15	
1,2-Dichloroethane	124	5.0	"	155	2.3	79	85-130	16	20	LN
Ethanol	1630	3000	"	1650	ND	99	70-135	12	35	
Ethyl tert-butyl ether	128	5.0	"	164	2.1	77	75-130	2	25	
Ethylbenzene	109	5.0	"	72.8	36	100	75-135	0.9	15	
Methyl tert-butyl ether	540	5.0	"	78.4	540	0	65-125	1	20	BB, LN
Toluene	340	5.0	"	380	18	85	85-120	9	20	
Xylenes (total)	608	5.0	"	408	240	90	85-125	3	20	
Gasoline Range Organics (C4-C12)	5960	500	"	4400	2100	88	60-140	11	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.09</i>		<i>"</i>	<i>5.00</i>		<i>82</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>4.49</i>		<i>"</i>	<i>5.00</i>		<i>90</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.26</i>		<i>"</i>	<i>5.00</i>		<i>85</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.53</i>		<i>"</i>	<i>5.00</i>		<i>91</i>	<i>70-120</i>			

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Project Manager:Barbara Jakub

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03/06/06 13:31

Notes and Definitions

LN MS and/or MSD below acceptance limits. See Blank Spike(LCS).
LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).
BB, LN Sample > 4x spike concentration.
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 - 4931-060215-0w-1
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 4931 > Historical/BL
 State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fr
 Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: <u>0800</u>	Temp: <u>52°</u>
Off-site Time: <u>1030</u>	Temp: <u>56°</u>
Sky Conditions: <u>Sunny</u>	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Sequoia</u>	BP/AR Facility No.: <u>4931</u>	Consultant/Contractor: <u>URS</u>
Address: <u>885 Jarvis Drive</u> <u>Morgan Hill, CA 95037</u>	BP/AR Facility Address: <u>731 West MacArthur Blvd., Oakland, CA 946</u>	Address: <u>1333 Broadway, Suite 800</u> <u>Oakland, CA 94612</u>
Lab PM: <u>Lisa Race / Katt Min</u>	Site Lat/Long: <u>37.80773 / -122.2413</u>	Consultant/Contractor Project No.: <u>38487534</u>
Tele/Fax: <u>408.782.8156 / 408.782.6308</u>	California Global ID No.: <u>T0600100110</u>	Consultant/Contractor PM: <u>Barb Jakub</u>
BP/AR PM Contact: <u>Paul Supple</u>	Enfos Project No.: <u>G0C8C-0010</u>	Tele/Fax: <u>510.874.3296 / 510.874.3268</u>
Address: <u>P.O. Box 6549</u> <u>Moraga, CA 94570</u>	Provision or RCOP: <u>Provision</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
Tele/Fax: <u>925.299.8891 / 925.299.8872</u>	Phase/WBS: <u>04 - Mon/Remed by Natural Attenuation</u>	E-mail EDD To: <u>Donna Cosper@urscorp.com</u>
	Sub Phase/Task: <u>03 - Analytical</u>	Invoice to: <u>Atlantic Richfield Company</u>
	Cost Element: <u>05 - Subcontracted Costs</u>	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Sample Point Lat/Long and Comments
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	PERMETH (8260)	MTBE, ETBE, DEE (8260)	THM, TBA (8260)	EDB, 1,2-DCA (8260)	ETHANOL (8260)	
1	A-4	1010	2-15	X			01	W						X	X	X	X	MPB0831 ON HOLD	
2	A-5	1000					02							X	X	X	X		
3	A-3	0950					03							X	X	X	X		
4	A-8	0848					04							X	X	X	X		
5	TB-4931-02152006	-					05							X	X	X	X		
6																			
7																			
8																			
9																			
10																			

Sampler's Name: <u>Dave Walker, Justin Dennis</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Blaine Tech</u>	<u>David C. Wald</u>	<u>2/15/06</u>	<u>1615</u>	<u>Donna Cosper</u>	<u>2/15/06</u>	<u>1615</u>
Shipment Date:	<u>Blaine Tech</u>	<u>2/15/06</u>	<u>1700</u>	<u>Donna Cosper</u>	<u>2/15/06</u>	<u>1700</u>
Shipment Method:	<u>Blaine Tech</u>	<u>2/15/06</u>	<u>1740</u>	<u>Donna Cosper</u>	<u>2/15/06</u>	<u>1740</u>
Shipment Tracking No:						

Special Instructions:

Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 5.1 Trip Blank Yes No

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

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
 REC. BY (PRINT) L.R.
 WORKORDER: MPB6831

DATE REC'D AT LAB: 2-15-06
 TIME REC'D AT LAB: 17:40
 DATE LOGGED IN: 2-19-04

For Regulatory Purposes?
 DRINKING WATER YES/NO NO
 WASTE WATER YES/NO 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 / <u>Absent</u> Intact / Broken*									/
2. Chain-of-Custody <u>Present</u> / Absent*									
3. Traffic Reports or Packing List: Present / <u>Absent</u>									
4. Airbill: Airbill / Sticker Present / <u>Absent</u>									
5. Airbill #:									
6. Sample Labels: <u>Present</u> / Absent									
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody									
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes</u> / No*									
10. Sample received within hold time? <u>Yes</u> / No*									
11. Adequate sample volume received? <u>Yes</u> / No*									
12. Proper preservatives used? <u>Yes</u> / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / <u>No</u> *									
14. Read Temp: <u>5.1 C</u> Corrected Temp: <u>5.1 C</u> Is corrected temp 4 +/- 2°C? <u>Yes</u> / No** <small>(Acceptance range for samples requiring thermal pres.)</small>									

2-15-06

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

ATTACHMENT C
HISTORICAL GROUNDWATER DATA

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)
A-2	03/26/96	55.48	5.37	50.11	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM	
A-2	05/22/96	55.48	5.25	50.23	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM	
A-2	08/22/96	55.48	10.45	45.03	<50	1.1	1.8	<0.5	1.3	<2.5	NA	NM	
A-2	12/19/96	55.48	5.53	49.95	<50	<0.5	<0.5	<0.5	<0.5	2.7	NA	NM	
A-2	04/01/97	55.48	8.77	46.71	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NM	
A-2	05/27/97	55.48	9.87	45.61	<50	<0.5	<0.5	<0.5	<0.5	4.6	NA	NM	
A-2	08/12/97	55.48	11.11	44.37	<50	<0.5	<0.5	<0.5	<0.5	5.6	NA	NM	
A-2	11/14/97	55.48	10.63	44.85	<50	0.9	2.8	<0.5	2.4	27	NA	2.6	
A-2	03/18/98	55.48	3.58	51.90	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	NM	
A-2	05/19/98	55.48	4.82	50.66	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.30	P
A-2	07/29/98	55.48	8.94	46.54	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.2	NP
A-2	10/09/98	55.48	10.82	44.66	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	0.5	NP
A-2	02/19/99	55.48	4.46	51.02	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	3.0	P
A-2	06/02/99	55.48	5.59	49.89	<50	<0.5	0.6	<0.5	<0.5	<3	NA	5.35	NP
A-2	08/26/99	55.48	10.67	44.81	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	0.79	NP
A-2	10/26/99	55.48	4.61	50.87	<50	<0.5	<0.5	<0.5	<1	<3	NA	2.14	P
A-2	02/25/00	55.48	3.10	52.38	<50	<0.5	<0.5	<0.5	<1	<3	NA	4.21	NP
A-3	03/26/96	54.66	7.20	47.46	Not Sampled: Well Sampled Semiannually								
A-3	05/22/96	54.66	7.70	46.96	<50	1.2	1.9	0.7	1.3	NA	NA	NM	
A-3	08/22/96	54.66	10.88	43.78	Not Sampled: Well Sampled Semiannually								
A-3	12/19/96	54.66	7.70	46.96	5,900	<25	<25	<25	<25	NA	5,300	NM	
A-3	04/01/97	54.66	9.78	44.88	Not Sampled: Well Sampled Semiannually								
A-3	05/27/97	54.66	10.55	44.11	2,300	<20	<20	<20	<20	3,800	NA	NM	
A-3	08/12/97	54.66	11.12	43.54	Not Sampled: Well Sampled Semiannually								
A-3	11/14/97	54.66	8.24	46.42	<1,000	<10	<10	<10	<10	1,500	NA	3.8	
A-3	03/18/98	54.66	5.05	49.61	Not Sampled: Well Sampled Semiannually								
A-3	05/19/98	54.66	9.00	45.66	<250	<2.5	<2.5	<2.5	<2.5	220	NA	4.60	P
A-3	07/29/98	54.66	9.86	44.80	Not Sampled: Well Sampled Semiannually								
A-3	10/09/98	54.66	11.36	43.30	<250	<2.5	<2.5	<2.5	<2.5	260	NA	1.0	NP
A-3	02/19/99	54.66	6.19	48.47	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	2.5	NP
A-3	06/02/99	54.66	10.82	43.84	120	<1	<1	<1	<1	160	NA	2.78	NP

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Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)	
A-3	08/26/99	54.66	10.73	43.93	Not Sampled: Well Sampled Semiannually								0.95	
A-3	10/26/99	54.66	6.58	48.08	<50	<0.5	<0.5	<0.5	<1	32	NA	2.06	NP	
A-3	02/25/00	54.66	5.41	49.25	Not Sampled: Well Sampled Semiannually									
A-4	03/26/96	54.73	7.95	46.78	8,900	1,200	21	200	220	NA	NA	NM		
A-4	05/22/96	54.73	8.35	46.38	5,300	700	<10	170	130	NA	NA	NM		
A-4	08/22/96	54.73	11.03	43.70	3,000	480	<5.0	75	26	150	NA	NM		
A-4	12/19/96	54.73	8.67	46.06	<2,000	<20	<20	<20	<20	NA	15,000	NM		
A-4	04/01/97	54.73	11.95	42.78	8,900	1,700	22	310	260	6,900	NA	NM		
A-4	05/27/97	54.73	10.80	43.93	7,100	960	<20	150	74	7,900	NA	NM		
A-4	08/12/97	54.73	11.38	43.35	4,300	670	12	51	27	2,800	NA	NM		
A-4	11/14/97	54.73	7.74	46.99	<20,000	300	500	<200	<200	27,000	NA	2.2		
A-4	03/18/98	54.73	6.80	47.93	4,700	600	<20	99	94	1,200	NA	1.0		
A-4	05/19/98	54.73	9.06	45.67	<2000	<20	<20	<20	720	2,000	NA	1.28	P	
A-4	07/29/98	54.73	10.05	44.68	8,400	1,300	<20	290	130	1,800	NA	0.7	NP	
A-4	10/09/98	54.73	11.20	43.53	3,500	400	<20	54	<20	1,700	NA	1.0	NP	
A-4	02/19/99	54.73	6.85	47.88	<1,000	<10	<10	<10	12	650	NA	0.1	NP	
A-4	06/02/99	54.73	11.00	43.73	6,100	760	16	260	89	2,300	NA	1.12	NP	
A-4	08/26/99	54.73	10.80	43.93	1,100	68	5	8	4	1,400	NA	1.15	NP	
A-4	10/26/99	54.73	10.11	44.62	1,500	39	2.3	9.0	5	1,700	NA	10.12	NP	
A-4	02/25/00	54.73	5.90	48.83	870	53	1.1	4.6	20	600	NA	1.72	NP	
A-5	03/26/96	54.17	7.93	46.24	Not Sampled: Well Sampled Semiannually									
A-5	05/22/96	54.17	8.20	45.97	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM		
A-5	08/22/96	54.17	10.70	43.47	Not Sampled: Well Sampled Semiannually									
A-5	12/19/96	54.17	8.39	45.78	9,900	1,100	330	230	700	NA	24	NM		
A-5	04/01/97	54.17	10.83	43.34	Not Sampled: Well Sampled Semiannually									
A-5	05/27/97	54.17	10.65	43.52	100	<0.5	<0.5	<0.5	<0.5	120	NA	NM		
A-5	08/12/97	54.17	11.05	43.12	Not Sampled: Well Sampled Semiannually									
A-5	11/14/97	54.17	10.51	43.66	<50	<0.5	<0.5	<0.5	<0.5	41	NA	4.8		
A-5	03/18/98	54.17	8.10	46.07	Not Sampled: Well Sampled Semiannually									
A-5	05/19/98	54.17	9.31	44.86	590	<5	<5	<5	<5	710	NA	2.48	P	

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Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)	
A-5	07/29/98	54.17	9.89	44.28	Not Sampled: Well Sampled Semiannually									
A-5	10/09/98	54.17	11.02	43.15	690	<5	<5	<5	<5	710	NA	1.0	NP	
A-5	02/19/99	54.17	6.82	47.35	<2,000	<20	<20	<20	<20	2,300	NA	0.6	NP	
A-5	06/02/99	54.17	10.82	43.35	1,500	<0.5	2.3	<0.5	<0.5	2,400	NA	2.81	NP	
A-5	08/26/99	54.17	10.65	43.52	Not Sampled: Well Sampled Semiannually								0.49	
A-5	10/26/99	54.17	10.35	43.82	380	<0.5	<0.5	<0.5	<1	440	NA	1.55	NP	
A-5	02/25/00	54.17	6.89	47.28	Not Sampled: Well Sampled Semiannually									
A-6	03/26/96	55.17	7.15	48.02	52	2.7	<0.5	1.1	2.0	NA	NA	NM		
A-6	05/22/96	55.17	7.35	47.82	<50	2.4	<0.5	0.88	1.7	NA	NA	NM		
A-6	08/22/96	55.17	10.12	45.05	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NM		
A-6	12/19/96	55.17	7.43	47.74	<50	1.7	<0.5	0.78	1.5	<2.5	NA	NM		
A-6	04/01/97	55.17	9.97	45.20	<50	4.7	<0.5	1.9	3.2	<2.5	NA	NM		
A-6	05/27/97	55.17	9.66	45.51	<50	0.69	<0.5	<0.5	<0.5	<2.5	NA	NM		
A-6	08/12/97	55.17	10.43	44.74	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NM		
A-6	11/14/97	55.17	9.76	45.41	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	<1.0		
A-6	03/18/98	55.17	7.00	48.17	<50	6.2	0.5	2.3	2.6	<3	NA	3.0		
A-6	05/19/98	55.17	8.27	46.90	<50	<0.5	<0.5	1.3	4.7	<3	NA	2.16	P	
A-6	07/29/98	55.17	8.96	46.21	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	0.8	NP	
A-6	10/09/98	55.17	10.23	44.94	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.0	NP	
A-6	02/19/99	55.17	5.79	49.38	<50	<0.5	<0.5	<0.5	<0.5	5	NA	0.4	NP	
A-6	06/02/99	55.17	9.71	45.46	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	2.00	NP	
A-6	08/26/99	55.17	9.79	45.38	<50	<0.5	<0.5	<0.5	0.7	<3	NA	0.66	NP	
A-6	10/26/99	55.17	9.70	45.47	<50	<0.5	<0.5	<0.5	<1	<3	NA	1.66	NP	
A-6	02/25/00	55.17	5.68	49.49	<50	<0.5	<0.5	<0.5	<1	<3	NA	1.22	NP	
A-7	03/26/96	54.71	6.90	47.81	Not Sampled: Well Sampled Semiannually									
A-7	05/22/96	54.71	8.27	46.44	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM		
A-7	08/22/96	54.71	9.80	44.91	Not Sampled: Well Sampled Semiannually									
A-7	12/19/96	54.71	7.19	47.52	Not Sampled: Well Sampled Annually									
A-7	04/01/97	54.71	9.63	45.08	Not Sampled: Well Sampled Annually									
A-7	05/27/97	54.71	9.34	45.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NM		

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Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)	
A-7	08/12/97	54.71	10.10	44.61	Not Sampled: Well Sampled Annually									
A-7	11/14/97	54.71	9.35	45.36	Not Sampled: Well Sampled Annually									
A-7	03/18/98	54.71	6.75	47.96	Not Sampled: Well Sampled Annually									
A-7	05/19/98	54.71	8.85	45.86	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.82	P	
A-7	07/29/98	54.71	8.84	45.87	Not Sampled: Well Sampled Annually									
A-7	10/09/98	54.71	10.05	44.66	Not Sampled: Well Sampled Annually									
A-7	02/19/99	54.71	5.57	49.14	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	4.7	NP	
A-7	06/02/99	54.71	9.56	45.15	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	2.17	NP	
A-7	08/26/99	54.71	9.66	45.05	Not Sampled: Well Sampled Annually									0.49
A-7	10/26/99	54.71	9.54	45.17	Not Sampled: Well Sampled Annually									1.26
A-7	02/25/00	54.71	5.60	49.11	Not Sampled: Well Sampled Annually									
A-8	03/26/96	53.77	7.10	46.67	48,000	2,600	<100	650	1,100	NA	NA	NM		
A-8	05/22/96	53.77	7.20	46.57	14,000	2,800	160	320	190	NA	NA	NM		
A-8	08/22/96	53.77	11.57	42.20	8,000	1,000	76	150	96	4,300	NA	NM		
A-8	12/19/96	53.77	8.04	45.73	12,000	450	110	210	230	<500	NA	NM		
A-8	04/01/97	53.77	9.98	43.79	Not Sampled: Well Sampled Semiannually									
A-8	05/27/97	53.77	11.45	42.32	11,000	1,600	100	220	210	2,300	NA	NM		
A-8	08/12/97	53.77	11.59	42.18	Not Sampled: Well Sampled Semiannually									
A-8	11/14/97	53.77	9.85	43.92	26,000	2,300	<200	400	400	4,100	NA	2.2		
A-8	03/18/98	53.77	7.80	45.97	Not Sampled: Well Sampled Semiannually									
A-8	05/19/98	53.77	8.78	44.99	88,000	4,200	150	640	600	6,700	NA	1.36	P	
A-8	07/29/98	53.77	9.59	44.18	46,000	4,900	160	620	580	13,000	NA	0.5	NP	
A-8	10/09/98	53.77	11.23	42.54	130,000	3,700	110	500	770	7,300	NA	1.0	NP	
A-8	02/19/99	53.77	6.51	47.26	<1,000	39	<10	<10	<10	840	NA	0.2	NP	
A-8	06/02/99	53.77	10.68	43.09	8,500	1,300	32	180	110	6,700	NA	1.31	NP	
A-8	08/26/99	53.77	10.43	43.34	6,200	870	17	64	60	3,700	NA	0.69	NP	
A-8	10/26/99	53.77	10.23	43.54	15,000	2,800	140	370	360	480	NA	0.62	NP	
A-8	02/25/00	53.77	5.93	47.84	2,600	330	6.6	18	26	1,100	NA	1.43	NP	
A-9	03/26/96	53.04	7.05	45.99	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM		
A-9	05/22/96	53.04	7.20	45.84	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM		

**Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)**

**ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California**

Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)	
A-9	08/22/96	53.04	9.68	43.36	<50	<0.5	<0.5	<0.5	<0.5	8.5	NA	NM		
A-9	12/19/96	53.04	7.43	45.61	<50	<0.5	<0.5	<0.5	<0.5	2.6	NA	NM		
A-9	04/01/97	53.04	9.95	43.09	Not Sampled: Well Sampled Semiannually									
A-9	05/27/97	53.04	9.56	43.48	<50	2.3	<0.5	<0.5	<0.5	45	NA	NM		
A-9	08/12/97	53.04	10.15	42.89	Not Sampled: Well Sampled Semiannually									
A-9	11/14/97	53.04	8.64	44.40	<200	<2.0	<2.0	<2.0	<2.0	190	NA	9.6		
A-9	03/18/98	53.04	6.45	46.59	Not Sampled: Well Sampled Semiannually									
A-9	05/19/98	53.04	8.35	44.69	<50	<0.5	<0.5	<0.5	<0.5	7	NA	1.27	P	
A-9	07/29/98	53.04	8.74	44.30	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	0.99	NP	
A-9	10/09/98	53.04	10.05	42.99	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.0	NP	
A-9	02/19/99	53.04	6.91	46.13	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	2.0	NP	
A-9	06/02/99	53.04	9.72	43.32	<50	<0.5	<0.5	<0.5	<0.5	16	NA	2.32	NP	
A-9	08/26/99	53.04	9.48	43.56	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	0.71	NP	
A-9	10/26/99	53.04	9.17	43.87	1,500	6.2	0.7	78	11	91	NA	2.15	NP	
A-9	02/25/00	53.04	5.84	47.20	<50	<0.5	<0.5	<0.5	<1	<3	NA	1.55	NP	
A-10	03/26/96	54.26	8.28	45.98	Not Sampled: Well Removed from Sampling Program									
A-10	05/22/96	54.26	8.60	45.66	Not Sampled: Well Removed from Sampling Program									
A-10	08/22/96	54.26	10.98	43.28	Not Sampled: Well Removed from Sampling Program									
A-10	12/19/96	54.26	8.80	45.46	Not Sampled: Well Removed from Sampling Program									
A-10	04/01/97	54.26	11.15	43.11	Not Sampled: Well Removed from Sampling Program									
A-10	05/27/97	54.26	10.90	43.36	Not Sampled: Well Removed from Sampling Program									
A-10	08/12/97	54.26	11.30	42.96	Not Sampled: Well Removed from Sampling Program									
A-10	11/14/97	54.26	10.80	43.46	Not Sampled: Well Removed from Sampling Program									
A-10	03/18/98				----- Well Removed from Survey Program -----									
A-11	03/26/96	53.74	8.10	45.64	Not Sampled: Well Sampled Semiannually									
A-11	05/22/96	53.74	8.25	45.49	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM		
A-11	08/22/96	53.74	10.58	43.16	Not Sampled: Well Sampled Semiannually									
A-11	12/19/96	53.74	8.37	45.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NM		
A-11	04/01/97	53.74	10.95	42.79	Not Sampled: Well Sampled Semiannually									
A-11	05/27/97	53.74	10.60	43.14	<50	<0.5	<0.5	<0.5	<0.5	3.1	NA	NM		

Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)

ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California

Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)
A-11	08/12/97	53.74	11.07	42.67	Not Sampled: Well Sampled Semiannually								
A-11	11/14/97	53.74	10.58	43.16	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.6	
A-11	03/18/98	53.74	8.14	45.60	Not Sampled: Well Sampled Semiannually								
A-11	05/19/98	53.74	9.40	44.34	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.13	P
A-11	07/29/98	53.74	10.32	43.42	Not Sampled: Well Sampled Semiannually								
A-11	10/09/98	53.74	10.91	42.83	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	2.0	NP
A-11	02/19/99	53.74	6.77	46.97	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.8	NP
A-11	06/02/99	53.74	10.95	42.79	<50	<0.5	<0.5	<0.5	<0.5	6	NA	1.38	NP
A-11	08/26/99	53.74	11.05	42.69	Not Sampled: Well Sampled Semiannually								
A-11	10/26/99	53.74	10.81	42.93	<50	<0.5	<0.5	<0.5	<1	4	NA	0.49	NP
A-11	02/25/00	53.74	6.70	47.04	Not Sampled: Well Sampled Semiannually								
A-12	03/26/96	52.05	7.83	44.22	Not Sampled: Well Sampled Semiannually								
A-12	05/22/96	52.05	7.80	44.25	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM	
A-12	08/22/96	52.05	9.97	42.08	Not Sampled: Well Sampled Semiannually								
A-12	12/19/96	52.05	8.18	43.87	85	<0.5	<0.5	<0.5	<0.5	170	NA	NM	
A-12	04/01/97	52.05	10.30	41.75	Not Sampled: Well Sampled Semiannually								
A-12	05/27/97	52.05	10.05	42.00	50	12	<0.5	<0.5	<0.5	96	NA	NM	
A-12	08/12/97	52.05	10.46	41.59	Not Sampled: Well Sampled Semiannually								
A-12	11/14/97	52.05	9.70	42.35	<50	<0.5	<0.5	<0.5	<0.5	75	NA	7.0	
A-12	03/18/98	52.05	8.15	43.90	Not Sampled: Well Sampled Semiannually								
A-12	05/19/98	52.05	9.15	42.90	<50	<0.5	<0.5	<0.5	<0.5	29	NA	1.47	P
A-12	07/29/98	52.05	9.38	42.67	Not Sampled: Well Sampled Semiannually								
A-12	10/09/98	52.05	10.21	41.84	<50	<0.5	<0.5	<0.5	<0.5	7	NA	2.0	NP
A-12	02/19/99	52.05	6.96	45.09	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	5.2	NP
A-12	06/02/99	52.05	10.25	41.80	<50	<0.5	<0.5	<0.5	<0.5	7	NA	1.38	NP
A-12	08/26/99	52.05	9.91	42.14	Not Sampled: Well Sampled Semiannually								
A-12	10/26/99	52.05	9.73	42.32	<50	<0.5	<0.5	<0.5	<1	12	NA	0.51	NP
A-12	02/25/00	52.05	6.97	45.08	Not Sampled: Well Sampled Semiannually								
A-13	03/26/96	55.11			----- Well Inaccessible -----								
A-13	05/22/96	55.11			----- Well Inaccessible -----								

**Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)**

**ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California**

Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)	
A-13	08/22/96	55.11		-----				Well Inaccessible	-----					
A-13	12/19/96	55.11		-----				Well Inaccessible	-----					
A-13	04/01/97	55.11		-----				Well Inaccessible	-----					
A-13	05/27/97	55.11		-----				Well Inaccessible	-----					
A-13	08/12/97	55.11		-----				Well Inaccessible	-----					
A-13	11/14/97	55.11		-----				Well Inaccessible	-----					
A-13	03/18/98	55.11		-----				Well Inaccessible	-----					
A-13	05/19/98	55.11		-----				Well Inaccessible	-----					
A-13	07/29/98	55.11		-----				Well Inaccessible	-----					
A-13	10/09/98	55.11		-----				Well Inaccessible	-----					
A-13	02/19/99	55.11		-----				Well Inaccessible	-----					
A-13	06/02/99	55.11		-----				Well Inaccessible	-----					
A-13	08/26/99	55.11		-----				Well Inaccessible	-----					
A-13	10/26/99	55.11		-----				Well Inaccessible	-----					
A-13	02/25/00	55.11		-----				Well Inaccessible	-----					
AR-1	03/26/96	54.72	8.13	46.59	6,200	110	64	38	520	NA	NA	NM		
AR-1	05/22/96	54.72	8.57	46.15	NS	NS	NS	NS	NS	NS	NS	NM		
AR-1	08/22/96	54.72	10.97	43.75	5,600	100	28	29	310	960	NA	NM		
AR-1	12/19/96	54.72	8.93	45.79	Not Sampled: Well Removed from Sampling Program									
AR-1	04/01/97	54.72	11.78	42.94	Not Sampled: Well Removed from Sampling Program									
AR-1	05/27/97	54.72	10.76	43.96	Not Sampled: Well Removed from Sampling Program									
AR-1	08/12/97	54.72	11.40	43.32	Not Sampled: Well Removed from Sampling Program									
AR-1	11/14/97	54.72	10.80	43.92	Not Sampled: Well Removed from Sampling Program									
AR-1	03/18/98	54.72	NM	NM	Not Sampled: Well Removed from Sampling Program									
AR-1	05/19/98	54.72	NM	NM	Not Sampled: Well Removed from Sampling Program									
AR-1	07/29/98	54.72	10.17	44.55	Not Sampled: Well Removed from Sampling Program									
AR-1	10/09/98	54.72	11.25	43.47	Not Sampled: Well Removed from Sampling Program									
AR-1	02/19/99	54.72	7.02	47.70	Not Sampled: Well Removed from Sampling Program									
AR-1	06/02/99	54.72	11.00	43.72	Not Sampled: Well Removed from Sampling Program									
AR-1	08/26/99	54.72	10.96	43.76	Not Sampled: Well Removed from Sampling Program								0.39	
AR-1	10/26/99	54.72	10.68	44.04	Not Sampled: Well Removed from Sampling Program								1.39	

**Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)**

**ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California**

Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)
AR-1	02/25/00	54.72	7.15	47.57	Not Sampled: Well Removed from Sampling Program								
AR-2	03/26/96	54.77	4.93	49.84	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM	
AR-2	05/22/96	54.77	5.65	49.12	NS	NS	NS	NS	NS	NS	NS	NM	
AR-2	08/22/96	54.77	7.27	47.50	<50	<0.5	<0.5	<0.5	<0.5	200	NA	NM	
AR-2	12/19/96	54.77	7.78	46.99	Not Sampled: Well Removed from Sampling Program								
AR-2	04/01/97	54.77	6.80	47.97	Not Sampled: Well Removed from Sampling Program								
AR-2	05/27/97	54.77	6.32	48.45	Not Sampled: Well Removed from Sampling Program								
AR-2	08/12/97	54.77	7.43	47.34	Not Sampled: Well Removed from Sampling Program								
AR-2	11/14/97	54.77	8.95	45.82	Not Sampled: Well Removed from Sampling Program								
AR-2	03/18/98	54.77	NM	NM	Not Sampled: Well Removed from Sampling Program								
AR-2	05/19/98	54.77	NM	NM	Not Sampled: Well Removed from Sampling Program								
AR-2	07/29/98	54.77	4.47	50.30	Not Sampled: Well Removed from Sampling Program								
AR-2	10/09/98	54.77	6.90	47.87	Not Sampled: Well Removed from Sampling Program								
AR-2	02/19/99	54.77	3.80	50.97	Not Sampled: Well Removed from Sampling Program								
AR-2	06/02/99	54.77	4.61	50.16	Not Sampled: Well Removed from Sampling Program								
AR-2	08/26/99	54.77	5.22	49.55	Not Sampled: Well Removed from Sampling Program								
AR-2	10/26/99	54.77	3.20	51.57	Not Sampled: Well Removed from Sampling Program								
AR-2	02/25/00	54.77	2.33	52.44	Not Sampled: Well Removed from Sampling Program								
AR-3	03/26/96	54.19	7.95	46.24	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NM	
AR-3	05/22/96	54.19	8.30	45.89	NS	NS	NS	NS	NS	NS	NS	NM	
AR-3	08/22/96	54.19	10.84	43.35	Not Sampled: Well Removed from Sampling Program								
AR-3	12/19/96	54.19	8.56	45.63	Not Sampled: Well Removed from Sampling Program								
AR-3	04/01/97	54.19	11.24	42.95	Not Sampled: Well Removed from Sampling Program								
AR-3	05/27/97	54.19	10.67	43.52	Not Sampled: Well Removed from Sampling Program								
AR-3	08/12/97	54.19	11.10	43.09	Not Sampled: Well Removed from Sampling Program								
AR-3	11/14/97	54.19	10.60	43.59	Not Sampled: Well Removed from Sampling Program								
AR-3	03/18/98	54.19	NM	NM	Not Sampled: Well Removed from Sampling Program								
AR-3	05/19/98	54.19	NM	NM	Not Sampled: Well Removed from Sampling Program								
AR-3	07/29/98	54.19	9.95	44.24	Not Sampled: Well Removed from Sampling Program								
AR-3	10/09/98	54.19	11.20	42.99	Not Sampled: Well Removed from Sampling Program								

**Table 1
Groundwater Elevation and Analytical Data
Total Purgeable Petroleum Hydrocarbons
(TPPH as Gasoline, BTEX Compounds, and MTBE)**

**ARCO Service Station 4931
731 West MacArthur Boulevard, Oakland, California**

Well Number	Date Gauged/ Sampled	Well Elevation (feet, MSL)	Depth to Water (feet, TOB)	Groundwater Elevation (feet, MSL)	TPH Gasoline (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl- benzene (ppb)	Total Xylenes (ppb)	MTBE 8021B* (ppb)	MTBE 8260 (ppb)	Dissolved Oxygen (ppm)	Purged/ Not Purged (P/NP)
AR-3	02/19/99	54.19	6.98	47.21	Not Sampled: Well Removed from Sampling Program								
AR-3	06/02/99	54.19	10.80	43.39	Not Sampled: Well Removed from Sampling Program								
AR-3	08/26/99	54.19	10.69	43.50	Not Sampled: Well Removed from Sampling Program								0.40
AR-3	10/26/99	54.19	NM	NM	Not Sampled: Well Removed from Sampling Program								
AR-3	02/25/00	54.19	7.21	46.98	Not Sampled: Well Removed from Sampling Program								

TPH = Total petroleum hydrocarbons by modified EPA method 801
 BTEX = Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 10/26/99)
 MTBE = Methyl tert-butyl ether
 * = EPA method 8020 prior to 10/26/99
 MSL = Mean sea level
 TOB = Top of box
 ppb = Parts per billion
 ppm = Parts per million
 < = Less than laboratory detection limit stated to the right
 NA = Not analyzed
 NM = Not measured
 NS = Not sampled

ATTACHMENT D

**ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL
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ARCO # 04931 731 MACARTHUR BLVD W OAKLAND, CA 94609	<u>Regional Board - Case #: 01-0118</u> SAN FRANCISCO BAY RWQCB (REGION 2) <u>Local Agency (lead agency) - Case #: 3874</u> ALAMEDA COUNTY LOP - (AG)
---	---

SAMPLE DETECTIONS REPORT

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

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

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

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a

SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a

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

FIELD QC SAMPLES

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

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Confirmation Number: 1218068957
Date/Time of Submittal: 3/15/2006 5:14:16 PM
Facility Global ID: T0600100110
Facility Name: ARCO # 04931
Submittal Title: 1Q 2006 BP/ARCO 4931 EDF
Submittal Type: GW Monitoring Report

Click [here](#) to view the detections report for this upload.

ARCO # 04931 731 MACARTHUR BLVD W OAKLAND, CA 94609	Regional Board - Case #: 01-0118 SAN FRANCISCO BAY RWQCB (REGION 2) Local Agency (lead agency) - Case #: 3874 ALAMEDA COUNTY LOP - (AG)
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CONF #	TITLE	QUARTER
1218068957	1Q 2006 BP/ARCO 4931 EDF	Q1 2006
SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	3/15/2006	PENDING REVIEW

SAMPLE DETECTIONS REPORT

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

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

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

FIELD QC SAMPLES

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

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CONTACT SITE ADMINISTRATOR.