Atlantic Richfield Company
(a BP affiliated company)

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

January 28, 2005

Re: Fourth Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #5387
20200 Hesperian Blvd.
Hayward, California
URS Project #38486726

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

Submitted by:

Paul Supple
Environmental Business Manager

URS

January 28, 2005

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

Re: *Fourth* Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #5387
20200 Hesperian Blvd
Hayward, California
URS Project #38486726

Dear Mr. Schultz:

On behalf of the Atlantic Richfield Company (RM), a BP affiliated company, URS Corporation (URS) is submitting the *Fourth Quarter 2004 Groundwater Monitoring Report* for ARCO Service Station #5387, located at 20200 Hesperian Boulevard, Hayward, California.

If you have any questions regarding this submission, please call me at (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

Barbara Jakub, R.G.
Senior Geologist

REGISTERED GEOLOGIST
BARBARA J JAKUB
No. 7304
STATE OF CALIFORNIA

Enclosure: Fourth Quarter 2004 Groundwater Monitoring Report

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

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

REPORT

FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT

ARCO SERVICE STATION #5387
20200 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA

Prepared for
RM

January 28, 2005

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486726

Date: January 28, 2004

Quarter: 4Q 04

RM QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.:	5387	Address:	20200 Hesperian Boulevard, Hayward, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486726
Primary Agency:			Alameda County Environmental Health (ACEH)

WORK PERFORMED THIS QUARTER (Fourth – 2004):

1. Prepared and submitted Third Quarter 2004 Groundwater Monitoring Report.
2. Performed fourth quarter groundwater monitoring event on December 7, 2004.
3. Soil vapor sampling was performed on December 3, 6, 10, and 21, 2004.

WORK PROPOSED FOR NEXT QUARTER (First – 2005):

1. Prepare and submit this Fourth Quarter 2004 Groundwater Monitoring Report.
2. Prepare and submit the soil vapor investigation report.
3. Perform first quarter 2005 groundwater monitoring event.

SITE SUMMARY:

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-1, MW-2, AR-1, AR-2, A-7 Semi-annually (1st and 3rd Quarters): Wells A-4, A-5, A-8, and A-9 Annually (3rd Quarter): Wells MW-3, A-6, and A-10
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	9.90 ft (MW-3) to 13.77 ft (A-7)
Groundwater Gradient (direction):	West
Groundwater Gradient (magnitude):	0.006

DISCUSSION:

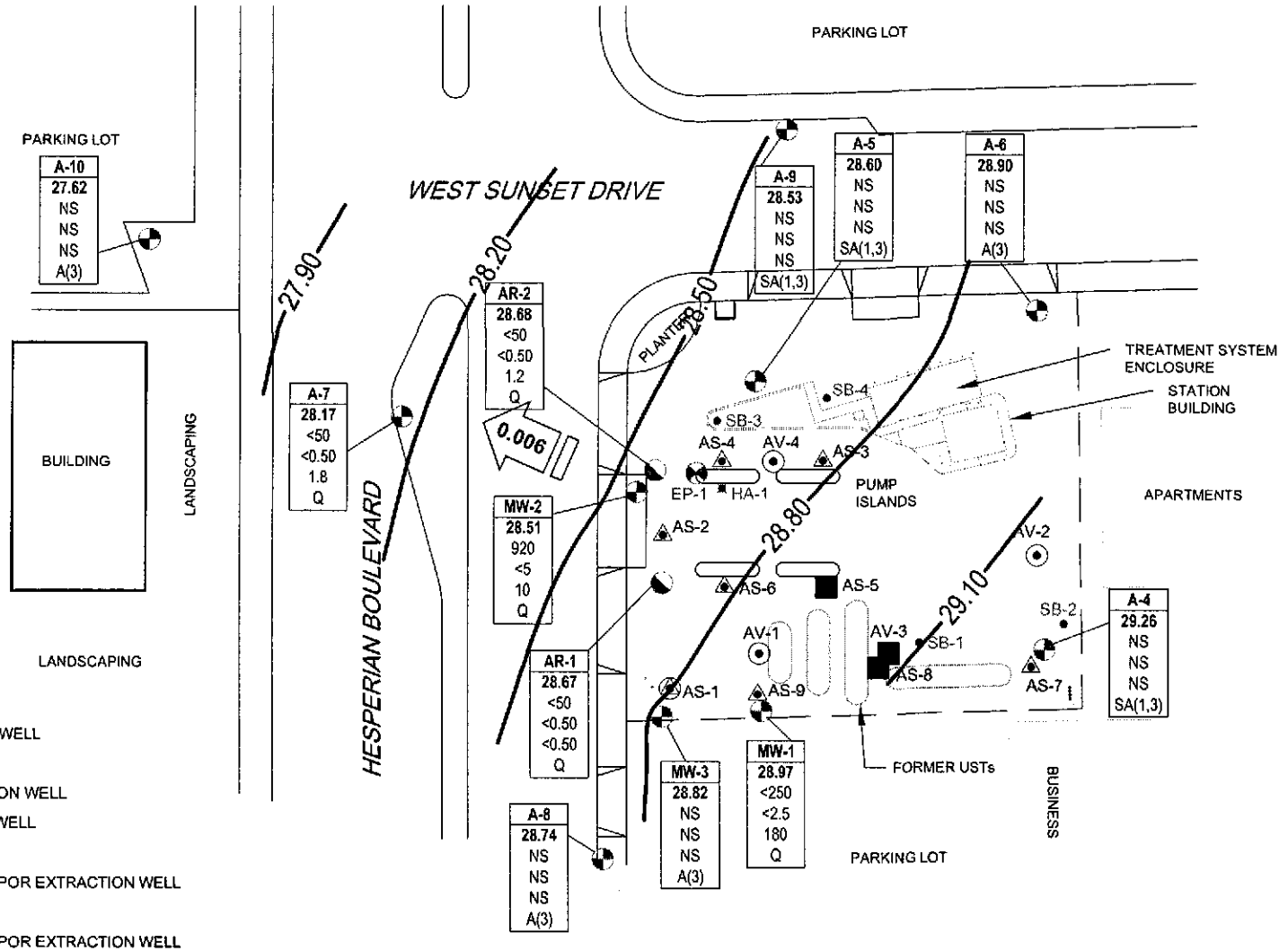
Gasoline range organics (GRO) were detected at or above the laboratory reporting limit in one of the five wells sampled this quarter at a concentration of 400 micrograms per liter (µg/L) (MW-2). Methyl-tert-butyl ether (MTBE) was detected at or above the laboratory reporting limit in four of the five wells sampled this quarter at concentrations ranging from 1.2 µg/L (AR-2) to 180 µg/L (MW-1). Tert-amyl methyl ether (TAME) was detected at or above the laboratory reporting limit in one well at a concentration of 0.57 µg/L (AR-2). No other fuel

components were detected above their respective laboratory reporting limits.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – December 7, 2004.
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Table 3 –Groundwater Flow Direction and Gradient
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – Error Check Reports and EDF/Geowell Submittal Confirmations

Jan 27, 2005 - 2:14pm
X:\r_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\5387\Monitoring\Qtr. 4, 2004\Drawings\5387-4Q04-GW.dwg



LEGEND:

- ABANDONED MONITORING WELL
- MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- SOIL VAPOR EXTRACTION WELL
- AIR SPARGE WELL
- DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL
- AIR SPARGE WELL
- DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL
- EXTRACTION POINT
- 29.10 APPOXIMATE GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
- 0.006 GROUNDWATER FLOW DIRECTION AND GRADIENT (FEET/FOOT)

Well	WELL DESIGNATION
ELEV	GROUNDWATER ELEVATION
GRO	GRO, BENZENE & MTBE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
Benzene	
MTBE	
Q/SA/A	SAMPLING FREQUENCY
Q	SAMPLED QUARTERLY
SA(1,3)	SAMPLED SEMI-ANNUALLY 1st & 3rd QUARTER
A(3)	SAMPLED ANNUALLY 3rd QUARTER

<	NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
NS	NOT SAMPLED
*	NOT USED IN CONTOURING

NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

NORTH

0 50 100

SCALE IN FEET

URS

Project No. 38486726

ARCO Service Station #5387
20200 Hesperian Boulevard
Hayward, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP
Fourth Quarter 2004 (December 7, 2004)

FIGURE 1

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-4	3/6/1991	--		39.46	10.00	35.00	13.22	26.24	34,000	11,000	870	2,500	2,100	--	--	---
	12/24/1991	--		39.86	10.00	35.00	17.60	22.26	1,900	29	1.9	25	29	--	--	---
	3/10/1992	--		39.86	10.00	35.00	14.76	25.10	7,400	37	<0.60	11	73	--	--	---
	6/9/1992	--		39.86	10.00	35.00	15.63	24.23	4,500	3.2	1.5	37	16	--	--	---
	9/14/1992	--		39.86	10.00	35.00	16.83	23.03	1,300	<2.5	2.5	61	6.8	--	--	---
	11/12/1992	--		39.86	10.00	35.00	16.97	22.89	610	7.2	0.98	34	0.97	--	--	---
	2/11/1993	--		39.86	10.00	35.00	13.43	26.43	740	2.4	<0.5	5	3.5	--	--	---
	4/14/1993	--		39.86	10.00	35.00	13.06	26.80	380	<0.5	<0.5	10	1.6	--	--	---
	8/12/1993	--		39.86	10.00	35.00	14.94	24.92	1,200	0.93	<0.5	0.91	<0.5	--	--	---
	10/26/1993	--		39.86	10.00	35.00	15.52	24.34	160	<0.5	<0.5	1	<0.5	--	--	---
	2/17/1994	--		39.46	10.00	35.00	14.02	25.44	320	0.5	<0.5	28	0.9	--	--	---
	5/3/1994	--		39.46	10.00	35.00	13.85	25.61	130	<0.5	<0.5	1.1	<0.5	--	--	---
	8/17/1994	--		39.53	10.00	35.00	14.95	39.53	62	34.58	<0.5	<0.5	<0.5	--	--	---
	11/18/1994	--		39.53	10.00	35.00	14.46	25.07	98	1.3	0.6	<0.5	<0.5	--	--	---
	12/6/1995	--		39.53	10.00	35.00	13.82	25.71	ND	0.6	ND	ND	ND	--	--	---
	2/14/1996	--		39.53	10.00	35.00	11.24	28.29	ND	ND	2.3	ND	0.71	--	--	---
	10/29/1996	--		39.53	10.00	35.00	13.50	26.03	140	ND	ND	ND	ND	--	--	---
	1/29/1997	--		39.53	10.00	35.00	12.65	26.88	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		39.53	10.00	35.00	13.97	25.56	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		39.53	10.00	35.00	12.70	26.83	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		39.53	10.00	35.00	13.95	25.58	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		39.53	10.00	35.00	11.90	27.63	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		39.53	10.00	35.00	13.92	25.61	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		39.53	10.00	35.00	10.80	28.73	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		39.53	10.00	35.00	12.60	26.93	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		39.53	10.00	35.00	12.60	26.93	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		39.53	10.00	35.00	12.61	26.92	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		39.53	10.00	35.00	---	---	<50	<0.5	<0.5	<0.5	<0.5	6.2	--	---
	4/24/2002	--	j	39.53	10.00	35.00	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	---
	09/23/2002	--	a	39.53	10.00	35.00	---	---	--	--	--	--	--	--	--	---
	12/9/2002	P		39.53	10.00	35.00	13.36	26.17	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	2.4	6.6
	2/11/2003	P	e	39.53	10.00	35.00	11.82	27.71	<50	<0.50	<0.50	<0.50	<0.50	0.53	1.8	6.6
	6/27/2003	--		39.53	10.00	35.00	12.12	27.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.7
	09/04/2003	--	a	39.53	10.00	35.00	---	---	--	--	--	--	--	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-4	11/17/2003	--	m	39.53	10.00	35.00	15.09	24.44	--	--	--	--	--	--	--	--
	03/01/2004	P	i	42.26	10.00	35.00	10.95	31.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.7
	06/02/2004	--	m	42.26	10.00	35.00	12.34	29.92	--	--	--	--	--	--	--	--
	09/16/2004	P		42.26	10.00	35.00	13.19	29.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	6.7
	12/07/2004	--	**m**	**42.26**	**10.00**	**35.00**	**13.00**	**29.26**	--	--	--	--	--	--	--	--
A-5	12/24/1991	--		38.94	10.00	30.00	16.85	22.09	1,600	21	<0.30	32	52	--	--	---
	3/10/1992	--		38.94	10.00	30.00	13.83	25.11	1,000	1.6	<0.30	43	100	--	--	---
	6/9/1992	--		38.94	10.00	30.00	14.91	24.03	680	34	<1.5	14	16	--	--	---
	9/14/1992	--		38.94	10.00	30.00	16.14	22.80	770	12	<0.30	51	65	--	--	---
	11/12/1992	--		38.94	10.00	30.00	16.35	22.59	520	3	<2.5	29	36	--	--	---
	2/11/1993	--		38.94	10.00	30.00	13.21	25.73	150	1.6	0.96	5.1	1.5	--	--	---
	4/14/1993	--		38.94	10.00	30.00	12.97	25.97	190	5.4	<0.5	1.5	0.97	--	--	---
	8/12/1993	--		38.94	10.00	30.00	14.12	24.82	230	1.7	<0.5	5.3	0.94	--	--	---
	10/26/1993	--		38.94	10.00	30.00	14.72	24.22	190	2.8	<0.5	5.5	2	--	--	---
	2/17/1994	--		38.47	10.00	30.00	13.20	25.27	340	<0.5	<0.5	13	2.9	--	--	---
	5/3/1994	--		38.47	10.00	30.00	13.08	25.39	170	1.4	<0.5	4	1.9	--	--	---
	8/17/1994	--		38.54	10.00	30.00	14.18	24.36	270	0.6	<0.5	7.3	1.1	--	--	---
	11/18/1994	--		38.54	10.00	30.00	13.73	24.81	338	--	<0.5	4.6	<0.5	--	--	---
	9/26/1995	--		38.47	10.00	30.00	12.44	26.03	ND	0.63	1.1	ND	1.2	--	--	---
	12/6/1995	--		38.47	10.00	30.00	12.92	25.55	ND	ND	ND	ND	ND	--	--	---
	2/14/1996	--		38.47	10.00	30.00	10.76	27.71	ND	ND	2	ND	1.1	--	--	---
	10/29/1996	--		38.47	10.00	30.00	12.35	26.12	ND	ND	ND	ND	ND	--	--	---
	1/29/1997	--		38.47	10.00	30.00	10.85	27.62	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		38.47	10.00	30.00	13.56	24.91	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		38.47	10.00	30.00	11.80	26.67	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		38.47	10.00	30.00	12.20	26.27	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		38.47	10.00	30.00	10.12	28.35	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		38.47	10.00	30.00	13.50	24.97	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		38.47	10.00	30.00	10.20	28.27	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		38.47	10.00	30.00	11.50	26.97	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		38.47	10.00	30.00	10.15	28.32	<50	0.32	0.38	<0.3	<0.5	<20	--	---
	4/29/1999	--		38.47	10.00	30.00	11.50	26.97	<50	<0.3	<0.3	<0.3	0.58	<5	--	---
	1/15/2002	--		38.47	10.00	30.00	---	---	<50	<0.5	<0.5	<0.5	<0.5	5	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-5	4/24/2002	--	j	38.47	10.00	30.00	---	---	<50	<0.50	<0.50	<0.50	<0.50	1.2	--	---
	9/23/2002	P		38.47	10.00	30.00	12.55	35.92	<50	<0.50	<0.50	<0.50	<1.5	1.3	1	6.7
	12/9/2002	P		38.47	10.00	30.00	12.60	25.87	<50	<0.50	<0.50	<0.50	<1.0	<5.00	1.9	6.6
	2/11/2003	P	e	38.47	10.00	30.00	11.37	27.10	<50	<0.50	<0.50	<0.50	<0.50	0.97	1.2	6.7
	6/27/2003	--		38.47	10.00	30.00	11.55	26.92	<50	<0.50	<0.50	<0.50	<0.50	0.98	1.5	6.8
	9/4/2003	--		38.47	10.00	30.00	12.21	26.26	<50	<0.50	<0.50	<0.50	<0.50	0.5	3.1	7
	11/17/2003	--	m	38.94	10.00	30.00	12.37	26.57	--	--	--	--	--	--	--	--
	03/01/2004	P	i	41.00	10.00	30.00	10.90	30.10	<50	<0.50	<0.50	<0.50	<0.50	0.77	3.2	6.7
	06/02/2004	--	m	41.00	10.00	30.00	11.70	29.30	--	--	--	--	--	--	--	--
	09/16/2004	P		41.00	10.00	30.00	12.40	28.60	<50	<0.50	<0.50	<0.50	<0.50	0.50	0.2	6.8
	12/07/2004	**--**	**m**	**41.00**	**10.00**	**30.00**	**12.40**	**28.60**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
A-6	12/24/1991	--		39.07	5.00	30.00	16.88	22.19	<30	<0.3	<0.3	<0.3	<0.3	--	--	---
	3/10/1992	--		39.07	5.00	30.00	13.73	25.34	<30	<0.3	<0.3	<0.3	<0.3	--	--	---
	6/9/1992	--		39.07	5.00	30.00	14.95	24.12	<30	<0.3	<0.3	<0.3	<0.3	--	--	---
	9/14/1992	--		39.07	5.00	30.00	16.20	22.87	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/12/1992	--		39.07	5.00	30.00	16.35	22.72	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/11/1993	--		39.07	5.00	30.00	13.04	26.03	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	4/14/1993	--		39.07	5.00	30.00	12.23	26.84	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/12/1993	--		39.07	5.00	30.00	14.18	24.89	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	10/26/1993	--		39.07	5.00	30.00	14.85	24.22	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	5/3/1994	--		39.07	5.00	30.00	13.66	25.41	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/17/1994	--		38.78	5.00	30.00	14.34	24.44	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/18/1994	--		38.78	5.00	30.00	13.76	25.02	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	9/26/1995	--		38.78	5.00	30.00	12.56	26.22	ND	ND	ND	ND	ND	--	--	---
	12/6/1995	--		38.78	5.00	30.00	13.18	25.60	ND	ND	ND	ND	ND	--	--	---
	2/14/1996	--		38.78	5.00	30.00	12.46	26.32	ND	ND	ND	ND	ND	--	--	---
	10/29/1996	--		38.78	5.00	30.00	12.40	26.38	50	ND	ND	ND	ND	--	--	---
	1/29/1997	--		38.78	5.00	30.00	13.85	24.93	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		38.78	5.00	30.00	12.49	26.29	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		38.78	5.00	30.00	12.10	26.68	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		38.78	5.00	30.00	15.20	23.58	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		38.78	5.00	30.00	13.80	24.98	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		38.78	5.00	30.00	12.45	26.33	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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	7/8/1998	--		38.78	5.00	30.00	10.30	28.48	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		38.78	5.00	30.00	11.10	27.68	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		38.78	5.00	30.00	10.40	28.38	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		38.78	5.00	30.00	13.80	24.98	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		38.78	5.00	30.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	5.7	--	---
	4/24/2002	--	j	38.78	5.00	30.00	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	---
	9/23/2002	P		38.78	5.00	30.00	12.61	26.17	<50	<0.500	<0.500	<0.500	<1.50	<0.500	1.4	6.8
	12/9/2002	P		38.78	5.00	30.00	12.67	26.11	<50	<0.500	<0.500	<0.500	<1.00	<5.00	2.6	6.7
	2/11/2003	P	e	38.78	5.00	30.00	11.21	27.57	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2	6.7
	6/27/2003	--		38.78	5.00	30.00	11.60	27.18	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5	6.9
	9/4/2003	--		38.78	5.00	30.00	12.29	26.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	6.9
	11/17/2003	--		38.78	5.00	30.00	12.44	26.34	--	--	--	--	--	--	--	--
	03/01/2004	--	i, n	41.25	5.00	30.00	10.45	30.80	--	--	--	--	--	--	--	--
	06/02/2004	--	n	41.25	5.00	30.00	11.75	29.50	--	--	--	--	--	--	--	--
	09/16/2004	P		41.25	5.00	30.00	12.56	28.69	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	6.8
	12/07/2004	--	n	**41.25**	**5.00**	**30.00**	**12.35**	**28.90**	--	--	--	--	--	--	--	--
A-7	12/24/1991	--		39.95	10.00	35.00	18.11	21.84	10,000	88	16	170	610	--	--	---
	3/10/1992	--		39.95	10.00	35.00	15.30	24.65	320	9.3	0.54	8.8	34	--	--	---
	6/9/1992	--		39.95	10.00	35.00	16.12	23.83	340	11	1.1	8.9	26	--	--	---
	9/14/1992	--		39.95	10.00	35.00	17.35	22.60	510	12	<2.0	30	51	--	--	---
	11/12/1992	--		39.95	10.00	35.00	17.47	22.48	760	17	0.83	50	73	--	--	---
	2/11/1993	--		39.95	10.00	35.00	13.80	26.15	260	20	1	11	21	--	--	---
	4/14/1993	--		39.95	10.00	35.00	13.60	26.35	1,300	89	2.1	48	87	--	--	---
	8/12/1993	--		39.95	10.00	35.00	15.54	24.41	360	9	<0.50	13	9	--	--	---
	10/26/1993	--		39.95	10.00	35.00	16.28	23.67	99	1.7	<0.50	4	3	--	--	---
	2/17/1994	--		39.38	10.00	35.00	14.44	24.94	1,300	38	<1	35	25	--	--	---
	5/3/1994	--		39.38	10.00	35.00	14.34	25.04	330	8.1	<0.5	7.8	3.7	--	--	---
	8/17/1994	--		39.45	10.00	35.00	15.40	24.05	350	2.2	<0.5	9.6	3.6	--	--	---
	11/18/1994	--		39.45	10.00	35.00	14.95	24.50	412	1.3	<0.5	6.2	2	--	--	---
	9/26/1995	--		39.38	10.00	35.00	13.92	25.46	ND	ND	ND	ND	ND	--	--	---
	12/6/1995	--		39.38	10.00	35.00	14.42	24.96	ND	ND	ND	ND	ND	--	--	---
	2/14/1996	--		39.38	10.00	35.00	12.38	27.00	ND	ND	1.1	ND	0.59	--	--	---
	10/29/1996	--		39.38	10.00	35.00	12.33	27.05	ND	ND	ND	ND	ND	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-7	1/29/1997	--		39.38	10.00	35.00	13.10	26.28	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		39.38	10.00	35.00	11.70	27.68	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		39.38	10.00	35.00	13.25	26.13	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		39.38	10.00	35.00	14.42	24.96	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		39.38	10.00	35.00	13.00	26.38	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		39.38	10.00	35.00	11.65	27.73	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		39.38	10.00	35.00	11.20	28.18	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		39.38	10.00	35.00	13.75	25.63	51	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		39.38	10.00	35.00	14.45	24.93	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		39.38	10.00	35.00	13.74	25.64	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		39.38	10.00	35.00	---	---	<50	<0.5	<0.5	<0.5	<0.5	4.8	--	---
	4/24/2002	--	j	39.38	10.00	35.00	---	---	<50	<0.50	<0.50	<0.50	<0.50	7.2	--	---
	9/23/2002	P		39.38	10.00	35.00	13.78	25.60	<50.0	<0.500	<0.500	<0.500	<1.50	3.48	0.8	6.7
	12/9/2002	P		39.38	10.00	35.00	13.97	25.41	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	2.2	6.8
	2/11/2003	P	e	39.38	10.00	35.00	12.35	27.03	54	<0.50	<0.50	<0.50	<0.50	21	1.7	6.3
	6/27/2003	--		39.38	10.00	35.00	12.95	26.43	<50	<0.50	<0.50	<0.50	<0.50	9.4	1.3	6.8
	9/4/2003	--		39.38	10.00	35.00	13.59	25.79	<50	<0.50	<0.50	<0.50	<0.50	3.4	2.6	6.9
	11/17/2003	P		39.38	10.00	35.00	13.84	25.54	<50	<0.50	<0.50	<0.50	<0.50	1.4	3.5	6.5
	03/01/2004	P	i	41.94	10.00	35.00	12.65	29.29	<50	<0.50	<0.50	<0.50	<0.50	1.1	3.5	6.7
	06/02/2004	P		41.94	10.00	35.00	13.08	28.86	<50	<0.50	<0.50	<0.50	<0.50	0.92	1.3	7.3
	09/16/2004	P		41.94	10.00	35.00	13.89	28.05	<50	<0.50	<0.50	<0.50	<0.50	1.0	0.7	6.7
	12/07/2004	**P**		**41.94**	**10.00**	**35.00**	**13.77**	**28.17**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.8**	**0.8**	**7.3**
A-8	9/14/1992	--		37.23	10.00	35.00	14.19	23.04	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/12/1992	--		37.23	10.00	35.00	14.35	22.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/11/1993	--		37.23	10.00	35.00	11.25	25.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	4/14/1993	--		37.23	10.00	35.00	12.33	24.90	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/12/1993	--		37.23	10.00	35.00	12.41	24.82	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	10/26/1993	--		37.23	10.00	35.00	13.02	24.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/17/1994	--		36.76	10.00	35.00	11.47	25.29	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	5/3/1994	--		36.76	10.00	35.00	11.35	25.41	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/17/1994	--		36.84	10.00	35.00	12.34	24.50	<50	<0.5	1.7	<0.5	1.4	--	--	---
	11/18/1994	--		36.84	10.00	35.00	11.90	24.94	<50	1	<0.5	<0.5	<0.5	--	--	---
	9/26/1995	--		36.76	10.00	35.00	10.94	25.82	<50	ND	ND	ND	ND	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-8	12/6/1995	--		36.76	10.00	35.00	11.42	25.34	<50	ND	ND	ND	ND	--	--	---
	2/14/1996	--		36.76	10.00	35.00	8.80	27.96	<50	ND	0.48	ND	ND	--	--	---
	10/29/1996	--		36.76	10.00	35.00	11.30	25.46	<50	ND	ND	ND	ND	--	--	---
	1/29/1997	--		36.76	10.00	35.00	7.60	29.16	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		36.76	10.00	35.00	10.54	26.22	<50	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		36.76	10.00	35.00	11.20	25.56	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		36.76	10.00	35.00	12.14	24.62	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		36.76	10.00	35.00	4.43	32.33	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		36.76	10.00	35.00	10.55	26.21	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		36.76	10.00	35.00	9.07	27.69	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		36.76	10.00	35.00	12.12	24.64	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		36.76	10.00	35.00	9.60	27.16	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		36.76	10.00	35.00	9.08	27.68	<50	<0.3	<0.3	<0.3	1.5	<5	--	---
	1/15/2002	--		36.76	10.00	35.00	---	---	<50	<0.5	<0.5	<0.5	<0.5	5.6	--	---
	4/24/2002	--	j	36.76	10.00	35.00	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	---
	9/23/2002	P		36.76	10.00	35.00	10.75	26.01	<50	<0.500	<0.500	<0.500	<1.50	<0.500	1.0	6.8
	12/9/2002	P		36.76	10.00	35.00	10.81	25.95	<50	<0.500	<0.500	<0.500	<1.00	<5.00	2.1	6.6
	2/11/2003	P	e	36.76	10.00	35.00	9.90	26.86	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	6.5
	6/27/2003	--		36.76	10.00	35.00	9.73	27.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	6.8
	9/4/2003	--		36.76	10.00	35.00	10.32	26.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	6.9
	11/17/2003	--	m	36.76	10.00	35.00	10.55	26.21	--	--	--	--	--	--	--	--
	03/01/2004	P	i	39.29	10.00	35.00	8.51	30.78	<50	<0.50	<0.50	<0.50	<0.50	0.76	3.6	6.8
	06/02/2004	--	m	39.29	10.00	35.00	9.83	29.46	--	--	--	--	--	--	--	--
	09/16/2004	P		39.29	10.00	35.00	10.75	28.54	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.1	6.7
	12/07/2004	--	m	**39.29**	**10.00**	**35.00**	**10.55**	**28.74**	--	--	--	--	--	--	--	--
A-9	9/14/1992	--		38.71	10.00	35.00	16.12	22.59	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/12/1992	--		38.71	10.00	35.00	16.29	22.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/11/1993	--		38.71	10.00	35.00	12.31	26.40	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	4/14/1993	--		38.71	10.00	35.00	12.01	26.70	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/12/1993	--		38.71	10.00	35.00	13.90	24.81	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	10/26/1993	--		38.71	10.00	35.00	14.86	23.85	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/17/1994	--		38.19	10.00	35.00	12.99	25.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/17/1994	--		38.19	10.00	35.00	14.03	24.16	<50	<0.5	<0.5	<0.5	<0.5	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-9	11/18/1994	--		37.24	10.00	35.00	13.44	23.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	9/26/1995	--		37.24	10.00	35.00	12.43	25.81	<50	<0.5	ND	ND	ND	--	--	---
	12/6/1995	--		38.19	10.00	35.00	13.14	25.05	<50	<0.5	ND	ND	ND	--	--	---
	2/14/1996	--		38.19	10.00	35.00	9.05	29.14	<50	ND	1.8	0.49	0.82	--	--	---
	10/29/1996	--		38.19	10.00	35.00	12.85	25.34	<50	ND	ND	ND	ND	--	--	---
	1/29/1997	--		38.19	10.00	35.00	9.02	29.17	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		38.19	10.00	35.00	12.05	26.14	<50	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		38.19	10.00	35.00	12.18	26.01	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		38.19	10.00	35.00	7.45	30.74	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		38.19	10.00	35.00	21.25	16.94	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		38.19	10.00	35.00	12.10	26.09	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		38.19	10.00	35.00	10.40	27.79	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		38.19	10.00	35.00	1.55	24.64	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		38.19	10.00	35.00	12.05	26.14	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		38.19	10.00	35.00	7.43	30.76	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		38.19	10.00	35.00	---	---	<50	<0.5	<0.5	<0.5	<0.5	4.3	--	---
	4/24/2002	--	j	38.19	10.00	35.00	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	---
	9/23/2002	P		38.19	10.00	35.00	12.35	25.84	<50	<0.500	<0.500	<0.500	<1.50	<0.500	1.6	6.8
	12/9/2002	P		38.19	10.00	35.00	12.37	25.82	<50	<0.500	<0.500	<0.500	<1.00	<5.00	3.2	7.1
	2/11/2003	P	e	38.19	10.00	35.00	10.97	27.22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	6.7
	6/27/2003	--		38.19	10.00	35.00	11.41	26.78	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	6.7
	9/4/2003	--		38.19	10.00	35.00	12.00	26.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	6.9
	11/17/2003	--		38.19	10.00	35.00	12.18	26.01	--	--	--	--	--	--	--	--
	03/01/2004	P	i	40.73	10.00	35.00	10.30	30.43	<50	<0.50	<0.50	<0.50	<0.50	0.50	3.1	6.7
	06/02/2004	--	m	40.73	10.00	35.00	11.50	29.23	--	--	--	--	--	--	--	--
	09/16/2004	P		40.73	10.00	35.00	12.23	28.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	6.8
	12/07/2004	--	m	**40.73**	**10.00**	**35.00**	**12.20**	**28.53**	--	--	--	--	--	--	--	--
A-10	12/7/1992	--		38.94	10.00	35.00	16.81	22.13	660	30	<2.5	<2.5	<2.5	--	--	---
	2/11/1993	--		38.94	10.00	35.00	13.15	25.79	210	<0.5	0.97	<0.5	<0.5	--	--	---
	4/14/1993	--		38.94	10.00	35.00	12.19	26.75	770	<0.5	3	0.76	1.9	--	--	---
	8/12/1993	--		38.94	10.00	35.00	14.87	24.07	390	<0.5	<0.5	<0.5	0.84	--	--	---
	10/26/1993	--		38.94	10.00	35.00	15.65	23.29	290	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/17/1994	--		38.66	10.00	35.00	14.16	24.50	52	<0.5	<0.5	<0.5	<0.5	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-10	5/3/1994	--		38.66	10.00	35.00	14.00	24.66	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/17/1994	--		38.72	10.00	35.00	15.08	23.64	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/18/1994	--		38.72	10.00	35.00	14.68	24.04	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	9/26/1995	--		38.66	10.00	35.00	13.58	25.08	ND	ND	ND	ND	ND	--	--	---
	12/6/1995	--		38.66	10.00	35.00	14.24	24.42	ND	ND	ND	ND	ND	--	--	---
	2/14/1996	--		38.66	10.00	35.00	6.70	31.96	ND	ND	ND	ND	ND	--	--	---
	10/29/1996	--		38.66	10.00	35.00	14.10	24.56	ND	ND	ND	ND	1.1	--	--	---
	1/29/1997	--		38.66	10.00	35.00	11.20	24.46	<50	0.41	4.8	0.6	4.4	37	--	---
	4/30/1997	--		38.66	10.00	35.00	12.66	26.00	<20	0.4	4.2	0.5	3.8	50	--	---
	7/31/1997	--		38.66	10.00	35.00	13.20	25.46	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		38.66	10.00	35.00	12.60	26.06	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		38.66	10.00	35.00	8.08	30.58	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		38.66	10.00	35.00	11.15	27.51	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		38.66	10.00	35.00	9.60	29.06	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		38.66	10.00	35.00	11.15	27.51	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		38.66	10.00	35.00	---	--	<50	<0.5	<0.5	<0.5	<0.5	17	--	---
	4/24/2002	--		38.66	10.00	35.00	---	--	---	---	---	---	---	--	--	---
	9/23/2002	--	o	38.66	10.00	35.00	---	--	---	---	---	---	---	--	---	---
	12/19/2002	P	c	38.66	10.00	35.00	12.75	25.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	---
	2/11/2003	P	e	38.66	10.00	35.00	12.21	26.45	<50	<0.50	<0.50	<0.50	<0.50	1.9	1.3	6.7
	6/27/2003	--		38.66	10.00	35.00	12.66	26.00	<50	<0.50	<0.50	<0.50	<0.50	0.99	0.8	7.2
	9/4/2003	--		38.66	10.00	35.00	13.31	25.35	<50	<0.50	<0.50	<0.50	<0.50	1.1	0.9	6.9
	11/17/2003	--	n	38.66	10.00	35.00	13.27	25.39	--	--	--	--	--	--	--	--
	03/01/2004	--	j, n	41.22	10.00	35.00	11.55	29.67	--	--	--	--	--	--	--	--
	06/02/2004	--	n	41.22	10.00	35.00	12.61	28.61	--	--	--	--	--	--	--	--
	09/16/2004	P	k	41.22	10.00	35.00	12.51	28.71	<50	<0.50	<0.50	<0.50	<0.50	0.84	0.2	6.8
	12/07/2004	**--**	**n**	**41.22**	**10.00**	**35.00**	**13.60**	**27.62**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
AR-1	9/14/1992	--		38.11	15.00	40.00	15.21	22.90	820	67	<1.0	8.8	6.7	--	--	---
	11/12/1992	--		38.11	15.00	40.00	15.36	22.75	140	66	<0.5	4.3	3.7	--	--	---
	2/11/1993	--		38.11	15.00	40.00	12.81	25.30	360	190	<2.5	8.6	<2.5	--	--	---
	4/14/1993	--		38.11	15.00	40.00	11.77	26.34	420	240	5.2	30	8.7	--	--	---
	8/12/1993	--		38.11	15.00	40.00	13.55	24.56	370	150	<2	11	<2	--	--	---
	10/26/1993	--		38.11	15.00	40.00	13.98	24.13	240	98	<2	11	<2	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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	2/17/1994	--		37.46	15.00	40.00	12.15	25.31	4,700	1,100	<10	140	26	--	--	---
	5/3/1994	--		37.46	15.00	40.00	12.03	25.43	620	130	1.3	48	4.3	--	--	---
	8/17/1994	--		37.33	15.00	40.00	12.92	24.41	3,600	630	<5	200	12	--	--	---
	11/18/1994	--		37.33	15.00	40.00	12.41	24.92	12,100	720	6.1	337	15	--	--	---
	9/26/1995	--		37.46	15.00	40.00	11.34	26.12	ND	8.3	ND	ND	ND	--	--	---
	12/6/1995	--		37.46	15.00	40.00	11.87	25.59	120	20	ND	20	0.6	--	--	---
	2/14/1996	--		37.46	15.00	40.00	10.48	26.98	ND	ND	ND	ND	0.52	--	--	---
	10/29/1996	--		37.46	15.00	40.00	11.80	25.66	ND	ND	0.99	ND	ND	--	--	---
	1/29/1997	--		37.46	15.00	40.00	11.25	26.21	<50	0.41	<0.3	<0.3	<0.3	<20	--	---
	4/30/1997	--		37.46	15.00	40.00	12.24	25.22	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		37.46	15.00	40.00	10.80	26.66	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		37.46	15.00	40.00	11.90	25.56	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		37.46	15.00	40.00	11.20	26.26	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		37.46	15.00	40.00	12.20	25.26	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		37.46	15.00	40.00	9.10	28.36	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		37.46	15.00	40.00	9.80	27.66	270	2.1	<0.3	3.6	<0.5	190	--	---
	1/13/1999	--		37.46	15.00	40.00	10.10	27.36	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		37.46	15.00	40.00	11.35	26.11	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		37.46	15.00	40.00	---	---	<50	<0.5	<0.5	<0.5	1.1	2.9	--	---
	4/24/2002	--	j	37.46	15.00	40.00	---	---	<50	<0.50	<0.50	<0.50	<0.50	2.6	--	---
	9/23/2002	P		37.46	15.00	40.00	11.26	26.20	<50.0	<0.500	<0.500	<0.500	<1.50	20.2	1.6	6.9
	12/9/2002	P		37.46	15.00	40.00	11.35	26.11	<50.0	<0.500	<0.500	<0.500	<1.00	26.6	1.8	6.9
	2/11/2003	P	e	37.46	15.00	40.00	9.91	27.55	<50	<0.50	<0.50	<0.50	<0.50	4.7	1.2	6.7
	6/27/2003	NP		37.46	15.00	40.00	10.30	27.16	<50	<0.50	<0.50	<0.50	<0.50	1.6	1.6	7
	09/04/2003	--	f	37.46	15.00	40.00	---	--	--	--	--	--	--	--	--	---
	11/17/2003	P		37.46	15.00	40.00	11.13	26.33	<50	<0.50	<0.50	<0.50	<0.50	1.4	1.8	6.7
	03/01/2004	P	i	39.82	15.00	40.00	9.00	30.82	<50	<0.50	<0.50	<0.50	<0.50	8.6	0.6	7.0
	06/02/2004	NP		39.82	15.00	40.00	10.40	29.42	<50	<0.50	<0.50	<0.50	<0.50	3.6	0.3	7.2
	09/16/2004	NP		39.82	15.00	40.00	11.18	28.64	<50	<0.50	<0.50	<0.50	<0.50	3.2	0.1	6.7
	12/07/2004	**NP**		**39.82**	**15.00**	**40.00**	**11.15**	**28.67**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**0.2**	**7.3**
AR-2	3/30/1993	--		38.39	5.00	35.00	11.53	26.86	390	4.1	1.6	<0.5	47	--	--	---
	4/14/1993	--		38.39	5.00	35.00	11.87	26.52	310	18	<0.5	0.67	36	--	--	---
	8/12/1993	--		38.39	5.00	35.00	13.59	24.80	130	16	<0.5	1.7	0.57	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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	10/26/1993	--		38.39	5.00	35.00	14.25	24.14	110	15	<0.5	1.8	<0.5	--	--	---
	2/17/1994	--		38.39	5.00	35.00	12.76	25.22	130	2.9	<0.5	15	0.8	--	--	---
	5/3/1994	--		38.39	5.00	35.00	12.60	25.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/17/1994	--		38.18	5.00	35.00	13.86	24.32	3,000	140	140	220	91	--	--	---
	11/18/1994	--		38.18	5.00	35.00	13.33	24.85	623	10.5	10.5	27.9	8	--	--	---
	9/26/1995	--		37.98	5.00	35.00	11.67	26.31	ND	ND	ND	ND	ND	--	--	---
	12/6/1995	--		37.98	5.00	35.00	12.32	25.66	320	12	12	23	2.1	--	--	---
	2/14/1996	--		37.98	5.00	35.00	10.74	27.24	ND	ND	ND	ND	0.76	--	--	---
	10/29/1996	--		37.98	5.00	35.00	11.95	26.03	ND	ND	ND	ND	ND	--	--	---
	1/29/1997	--		37.98	5.00	35.00	11.35	26.63	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		37.98	5.00	35.00	12.15	25.83	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		37.98	5.00	35.00	11.20	26.78	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		37.98	5.00	35.00	12.14	25.84	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		37.98	5.00	35.00	10.05	27.93	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		37.98	5.00	35.00	12.10	25.88	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		37.98	5.00	35.00	9.50	28.48	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		37.98	5.00	35.00	10.45	27.53	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		37.98	5.00	35.00	10.50	27.48	<50	<0.3	0.4	<0.3	0.53	<20	--	---
	4/29/1999	--		37.98	5.00	35.00	11.48	26.50	<50	<0.3	<0.3	<0.3	0.82	<5	--	---
	1/15/2002	--		37.98	5.00	35.00	---	---	<50	<0.5	<0.5	<0.5	<0.5	17	--	---
	4/24/2002	--	j	37.98	5.00	35.00	---	---	<50	<0.50	<0.50	<0.50	<0.50	39	--	---
	9/23/2002	P		37.98	5.00	35.00	12.22	25.76	<50.0	<0.500	<0.500	<0.500	<1.50	4.43	1	7.1
	12/9/2002	P		37.98	5.00	35.00	12.30	25.68	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	1.1	7
	2/11/2003	P	e	37.98	5.00	35.00	10.80	27.18	<50	<0.50	<0.50	<0.50	<0.50	0.75	1.8	6.9
	6/27/2003	NP		37.98	5.00	35.00	11.14	26.84	<50	<0.50	<0.50	<0.50	<0.50	6	0.9	6.4
	09/04/2003	--	f	37.98	5.00	35.00	---	--	--	--	--	--	--	--	--	---
	11/17/2003	P		38.89	5.00	35.00	12.08	26.81	<50	<0.50	<0.50	<0.50	<0.50	0.86	1.8	6.8
	03/01/2004	P	i	40.68	5.00	35.00	10.01	30.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	6.9
	06/02/2004	--		40.68	5.00	35.00	11.38	29.30	<50	<0.50	<0.50	<0.50	<0.50	4.3	0.3	6.7
	09/16/2004	NP		40.68	5.00	35.00	12.12	28.56	<50	<0.50	<0.50	<0.50	<0.50	1.5	0.1	6.9
	12/07/2004	**NP**		**40.68**	**5.00**	**35.00**	**12.00**	**28.68**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.2**	**0.3**	**7.4**
MW-1	8/8/1986	--		38.36	5.00	30.00	11.25	27.11	7,040	132	8.7	439	230	--	--	---
	12/24/1991	--		38.36	5.00	30.00	16.12	22.24	2,200	190	8.5	6.9	2.6	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-1	3/10/1992	--		38.36	5.00	30.00	13.34	25.02	2,800	270	29	56	39	--	--	---
	6/9/1992	--		38.36	5.00	30.00	14.12	24.24	2,900	960	27	99	63	--	--	---
	9/14/1992	--		38.36	5.00	30.00	15.34	23.02	2,600	450	<5.0	45	21	--	--	---
	11/12/1992	--		38.36	5.00	30.00	15.46	22.90	1,600	310	7.2	22	8.9	--	--	---
	2/11/1993	--		38.36	5.00	30.00	11.95	26.41	4,000	510	47	200	91	--	--	---
	4/14/1993	--		38.36	5.00	30.00	11.65	26.71	1,700	260	20	100	70	--	--	---
	8/12/1993	--		38.36	5.00	30.00	12.93	25.43	830	60	3.8	39	3.6	--	--	---
	10/26/1993	--		38.36	5.00	30.00	14.13	24.23	8,800	140	<10	41	<10	--	--	---
	2/17/1994	--		37.26	5.00	30.00	11.86	25.40	1,200	130	12	54	58	--	--	---
	5/3/1994	--		37.26	5.00	30.00	11.58	25.68	--	--	--	--	--	--	--	---
	8/17/1994	--		37.33	5.00	30.00	12.78	24.55	3,900	86	5.1	78	9.4	--	--	---
	11/18/1994	--		37.33	5.00	30.00	12.31	25.02	6,350	112	8.4	107	35	--	--	---
	9/26/1995	--		37.26	5.00	30.00	11.26	26.00	ND	ND	ND	ND	ND	--	--	---
	12/6/1995	--		37.26	5.00	30.00	12.16	25.10	4,100	0.86	0.46	0.38	0.92	--	--	---
	2/14/1996	--		37.26	5.00	30.00	8.53	28.73	ND	ND	0.56	ND	0.82	--	--	---
	10/29/1996	--		37.26	5.00	30.00	10.23	27.03	130	ND	ND	ND	ND	--	--	---
	1/29/1997	--		37.26	5.00	30.00	8.15	29.11	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		37.26	5.00	30.00	8.05	29.21	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		37.26	5.00	30.00	10.50	26.76	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		37.26	5.00	30.00	11.15	26.11	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		37.26	5.00	30.00	4.95	32.31	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		37.26	5.00	30.00	8.10	29.16	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		37.26	5.00	30.00	8.02	29.24	<50	<0.3	<0.3	<0.3	<0.5	40	--	---
	10/22/1998	--		37.26	5.00	30.00	9.70	27.56	230	0.43	1.9	0.99	0.99	33	--	---
	1/13/1999	--		37.26	5.00	30.00	9.60	27.66	<50	0.43	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--	l	37.26	5.00	30.00	8.05	29.21	<50	<0.3	<0.3	<0.3	<0.5	31/17	--	---
	1/15/2002	--		37.26	5.00	30.00	---	---	<50	<0.05	<0.5	<0.5	<0.5	21	--	---
	4/24/2002	--	j	37.26	5.00	30.00	---	---	160	1.5	<0.50	<0.50	<0.50	770	--	---
	09/23/2002	--	a	37.26	5.00	30.00	---	---	--	--	--	--	--	--	--	---
	12/9/2002	P	b, d, j	37.26	5.00	30.00	11.22	26.04	998	<0.50	<0.50	<0.50	1.37	855/1310	2.2	7.0
	2/11/2003	P	e	37.26	5.00	30.00	9.70	27.56	120	<0.50	<0.50	<0.50	<0.50	76	1.6	6.7
	6/27/2003	P		37.26	5.00	30.00	10.10	27.16	<500	<5.0	<5.0	<5.0	<5.0	170	0.8	6.8
	09/04/2003	--	f	37.26	5.00	30.00	---	--	--	--	--	--	--	--	--	---
	11/17/2003	P		37.26	5.00	30.00	10.94	26.32	420	<0.50	<0.50	<0.50	<0.50	140	1.7	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-1	03/01/2004	P	i	39.80	5.00	30.00	8.85	30.95	<50	<0.50	<0.50	<0.50	<0.50	14	2.1	6.5
	06/02/2004	P		39.80	5.00	30.00	10.30	29.50	340	<2.5	<2.5	<2.5	<2.5	250	0.4	7.0
	09/16/2004	P		39.80	5.00	30.00	11.02	28.78	<250	<2.5	<2.5	<2.5	<2.5	170	0.5	6.7
	12/07/2004	**--**		**39.80**	**5.00**	**30.00**	**10.83**	**28.97**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**180**	**1.0**	**7.4**
MW-2	8/8/1986	--		38.58	5.00	30.00	11.62	26.96	1,910	20.1	2.8	1.8	--	--	--	---
	12/24/1991	--		38.58	5.00	30.00	16.50	22.08	23,000	1,500	1,100	480	1,400	--	--	---
	3/10/1992	--		38.58	5.00	30.00	13.50	25.08	210,000	44,000	3,900	1,700	5,800	--	--	---
	6/9/1992	--		38.58	5.00	30.00	14.52	24.06	33,000	2,300	370	780	2,600	--	--	---
	9/14/1992	--		38.58	5.00	30.00	15.78	22.80	16,000	3,700	10	470	1,000	--	--	---
	11/12/1992	--		38.58	5.00	30.00	15.98	22.60	16,000	3,800	86	470	910	--	--	---
	2/11/1993	--		38.58	5.00	30.00	12.27	26.31	27,000	3,500	720	1,600	380	--	--	---
	4/14/1993	--		38.58	5.00	30.00	12.01	26.57	27,000	3,500	220	2,200	5,100	--	--	---
	8/12/1993	--		38.58	5.00	30.00	13.81	24.77	16,000	1,600	27	1,300	1,200	--	--	---
	10/26/1993	--		38.58	5.00	30.00	14.53	24.05	12,000	1,200	<25	510	330	--	--	---
	2/17/1994	--		38.58	5.00	30.00	12.81	25.77	15,000	1,800	21	850	540	--	--	---
	5/3/1994	--		38.58	5.00	30.00	12.63	25.95	--	--	--	--	--	--	--	---
	8/17/1994	--		37.99	5.00	30.00	13.69	24.30	14,000	850	13	640	270	--	--	---
	11/18/1994	--		38.06	5.00	30.00	13.18	24.88	14,900	640	3.4	532	156	--	--	---
	9/26/1995	--		37.99	5.00	30.00	12.23	25.76	5,100	40	25	2.5	18	--	--	---
	12/6/1995	--		37.99	5.00	30.00	12.82	25.17	810	34	23	11	11	--	--	---
	2/14/1996	--		37.99	5.00	30.00	10.87	27.12	420	0.75	0.54	0.64	0.53	--	--	---
	10/29/1996	--		37.99	5.00	30.00	12.95	25.04	670	1.7	1.3	0.6	0.8	--	--	---
	1/29/1997	--		37.99	5.00	30.00	11.15	26.84	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		37.99	5.00	30.00	11.09	26.90	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		37.99	5.00	30.00	11.70	26.29	330	<0.3	0.58	0.53	<0.5	<20	--	---
	10/22/1997	--		37.99	5.00	30.00	11.05	26.94	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		37.99	5.00	30.00	9.50	28.49	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		37.99	5.00	30.00	11.15	26.84	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		37.99	5.00	30.00	10.20	27.79	78	<0.3	<0.3	<0.3	<0.5	97	--	---
	10/22/1998	--		37.99	5.00	30.00	11.10	26.89	270	0.37	2	0.91	0.73	26	--	---
	1/13/1999	--		37.99	5.00	30.00	11.10	26.89	650	5.8	1	1.4	1.1	<20	--	---
	4/29/1999	--	I	37.99	5.00	30.00	11.05	26.94	<50	<0.3	<0.3	<0.3	<0.5	23/16	--	---
	1/15/2002	--		37.99	5.00	30.00	--	---	1,200	15	4.5	<0.5	<0.5	190	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-2	4/24/2002	--	j	37.99	5.00	30.00	--	---	1,300	18	<10	<10	<10	170	--	---
	9/23/2002	P		37.99	5.00	30.00	12.15	25.84	1,440	11.2	0.73	<0.500	<1.50	228	1.6	6.9
	12/9/2002	P	b, d, j	37.99	5.00	30.00	12.20	25.79	1,770	8.08	0.694	2.47	3.79	529/902	6.2	6.7
	2/11/2003	P	e	37.99	5.00	30.00	10.79	27.20	1,100	<0.50	<0.50	<0.50	0.53	71	1.2	6.8
	6/27/2003	P		37.99	5.00	30.00	11.20	26.79	520	<0.50	<0.50	<0.50	<0.50	45	0.8	6.8
	9/4/2003	P		37.99	5.00	30.00	11.84	26.15	500	<0.50	<0.50	<0.50	<0.50	28	1.2	6.9
	11/17/2003	P		37.99	5.00	30.00	11.98	26.01	530	<0.50	<0.50	<0.50	<0.50	50	3.1	6.7
	03/01/2004	P	i	40.51	5.00	30.00	10.05	30.46	890	<0.50	<0.50	<0.50	<0.50	36	3.1	6.6
	06/02/2004	P		40.51	5.00	30.00	11.32	29.19	310	<0.50	<0.50	<0.50	<0.50	9.2	0.3	7.2
	09/16/2004	P		40.51	5.00	30.00	12.01	28.50	400	<0.50	<0.50	<0.50	<0.50	4.0	0.2	6.8
	12/07/2004	**P**		**40.51**	**5.00**	**30.00**	**12.00**	**28.51**	**920**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**10**	**0.9**	**7.4**
MW-3	8/8/1986	--		37.77	5.00	30.00	10.61	27.16	7,450	510	549	409	1,380	--	--	---
	12/24/1991	--		37.77	5.00	30.00	15.60	22.17	6,800	450	10	610	45	--	--	---
	3/10/1992	--		37.77	5.00	30.00	12.90	24.87	11,000	2,500	75	400	560	--	--	---
	6/9/1992	--		37.77	5.00	30.00	13.60	24.17	16,000	2,000	69	1,300	2,600	--	--	---
	9/14/1992	--		37.77	5.00	30.00	14.78	22.99	14,000	630	<50	1,500	2,400	--	--	---
	11/12/1992	--		37.77	5.00	30.00	14.92	22.85	7,400	400	<25	860	330	--	--	---
	2/11/1993	--		37.77	5.00	30.00	11.65	26.12	8,600	580	<20	710	300	--	--	---
	4/14/1993	--		37.77	5.00	30.00	11.16	26.61	6,900	300	8.8	580	99	--	--	---
	8/12/1993	--		37.77	5.00	30.00	12.82	24.95	3,400	56	<5	190	<5	--	--	---
	10/26/1993	--		37.77	5.00	30.00	13.60	24.17	2,900	42	<10	76	<10	--	--	---
	2/17/1994	--		36.8	5.00	30.00	11.53	25.27	3,100	160	<10	36	8.6	--	--	---
	5/3/1994	--		36.8	5.00	30.00	11.36	25.44	2,300	44	<2.5	8	<2.5	--	--	---
	8/17/1994	--		36.87	5.00	30.00	12.38	24.49	1,900	7	<9.5	4.4	<5	--	--	---
	11/18/1994	--		36.87	5.00	30.00	11.93	24.94	909	1.1	<0.5	0.9	4	--	--	---
	9/26/1995	--		36.8	5.00	30.00	10.96	25.84	410	1.3	1.9	2.3	3.3	--	--	---
	12/6/1995	--		36.8	5.00	30.00	11.56	25.24	--	0.9	4.6	3	4.3	--	--	---
	2/14/1996	--		36.8	5.00	30.00	7.47	29.33	99	ND	0.49	0.46	ND	--	--	---
	10/29/1996	--		36.8	5.00	30.00	9.80	27.00	250	0.7	0.6	ND	ND	--	--	---
	1/29/1997	--		36.8	5.00	30.00	7.50	29.30	170	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		36.8	5.00	30.00	12.10	24.70	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		36.8	5.00	30.00	9.90	26.90	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		36.8	5.00	30.00	12.10	24.70	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-3	1/28/1998	--		36.8	5.00	30.00	7.50	29.30	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		36.8	5.00	30.00	12.30	24.50	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		36.8	5.00	30.00	8.30	28.50	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		36.8	5.00	30.00	9.10	27.70	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		36.8	5.00	30.00	9.50	27.30	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		36.8	5.00	30.00	5.93	30.87	<50	<0.3	0.35	<0.3	<0.5	<5	--	---
	1/15/2002	--		36.8	5.00	30.00	---	---	<50	<0.5	<0.5	<0.5	<0.5	7.9	--	---
	4/24/2002	--	j	36.8	5.00	30.00	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	---
	9/23/2002	P		36.8	5.00	30.00	10.30	26.50	<50.0	<0.500	<0.500	<0.500	<1.50	<0.500	1	6.9
	12/9/2002	P		36.8	5.00	30.00	10.38	26.42	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	1.7	6.7
	2/11/2003	P	e	36.8	5.00	30.00	8.85	27.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	6.7
	6/27/2003	--		36.8	5.00	30.00	9.12	27.68	<50	<0.50	<0.50	<0.50	<0.50	0.61	0.9	6.8
	9/4/2003	--		36.8	5.00	30.00	9.85	27.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1	6.9
	11/17/2003	--	n	36.63	5.00	30.00	9.93	26.70	--	--	--	--	--	--	--	--
	03/01/2004	--	i, n	38.72	5.00	30.00	7.95	30.77	--	--	--	--	--	--	--	--
	06/02/2004	--	n	38.72	5.00	30.00	9.25	29.47	--	--	--	--	--	--	--	--
	09/16/2004	P		38.72	5.00	30.00	9.95	28.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.4	6.8
	12/07/2004	**--**	**n**	**38.72**	**5.00**	**30.00**	**9.90**	**28.82**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd., Hayward, 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 feet below ground surface
GRO = Gasoline Range Organics, range C4-C12
GWE = Groundwater measured in feet above mean sea level
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether analyzed by EPA Method 8021B unless otherwise noted (prior to 2/11/03).
NP = Not Purged
P = Purge
TOC = Top of casing measured in feet above mean sea level
TPH-g = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B Modified (prior to 2/11/03).
ug/L = Micrograms per liter

FOOTNOTES:
a = Well inaccessible
b = The analyte concentration may be artificially elevated due to coeluting compounds or components.
c = The closing calibration was outside acceptance limits by 2%. This should be considered in evaluating the results. The average % difference for all analytes met the 15% requirement and the QC suggests that the calibration linearity is not a factor.
d = Estimated value. The reported value exceeds the calibration range of the analysis.
e = TPH-g, BTEX, and MTBE analyzed by EPA method 8260 B beginning first quarter monitoring event (2/11/03)
f = Unable to gauge because the bolt was warped on the well head
h = Well MW-3 top of casing was lowered by 0.17 feet during repairs on 11/14/03.
i = Well Surveyed to NAVD'88 datum on 2/23/04.
j = Analyzed by EPA Method 8260B.
k = Obstruction in well removed.
l = Analytical results as measured by EPA Methods 8020 / 8260.
m = Well sampled semi-annually (1st and 3rd quarters).
n = Well sampled annually (3rd quarter).
o = Well dry.

NOTES:
The data in this table prior to September 2002 was provided to URS by RM and its previous consultants. URS has not verified the accuracy of this data

Data for DO and pH were obtained through field measurements.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. Total petroleum hydrocarbons as gasoline (TPHg) has been changed to gasoline range organics (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.

Top and bottom of screen depths for the following wells were derived from cross-sections since the well logs were not available: A-4, A-5, A-7, A-8, A-9, and AR-1.

Table 2

Fuel Additives Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-4	2/11/2003	<100	<20	0.53	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	--	--	<0.50	--	--	--	--	--	
	03/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
	09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-5	2/11/2003	<100	<20	0.97	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	<100	<20	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/01/2004	<100	<20	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	a
	09/16/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-6	2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-7	2/11/2003	<100	<20	21	<0.50	6.5	<0.50	--	--	
	6/27/2003	<100	<20	9.4	<0.50	<0.50	2.1	<0.50	<0.50	
	9/4/2003	<100	<20	3.4	<0.50	<0.50	0.86	<0.50	<0.50	
	11/17/2003	<100	<20	1.4	<0.50	<0.50	<0.50	--	--	b
	03/01/2004	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/02/2004	<100	<20	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2004	<100	<20	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/07/2004	**<100**	**<20**	**1.8**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
A-8	2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/01/2004	<100	<20	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	a
	09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-9	2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/01/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
	09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, 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-10	2/11/2003	<100	<20	1.9	<0.50	<0.50	<0.50	---	---	
	6/27/2003	<100	<20	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	a
	9/4/2003	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2004	<100	<20	0.84	<0.50	<0.50	<0.50	<0.50	<0.50	
AR-1	2/11/2003	<100	<20	4.7	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	a
	9/4/2003	--	--	--	--	--	--	--	--	
	11/17/2003	<100	<20	1.4	<0.50	<0.50	<0.50	--	--	b
	03/01/2004	<100	<20	8.6	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/02/2004	<100	<20	3.6	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2004	<100	<20	3.2	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/07/2004	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
AR-2	2/11/2003	<100	<20	0.75	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	6	<0.50	<0.50	2.6	<0.50	<0.50	a
	9/4/2003	--	--	--	--	--	--	--	--	
	11/17/2003	<100	<20	0.86	<0.50	<0.50	<0.50	--	--	b
	03/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/02/2004	<100	<20	4.3	<0.50	<0.50	2.2	<0.50	<0.50	
	09/16/2004	<100	<20	1.5	<0.50	<0.50	0.79	<0.50	<0.50	
	12/07/2004	**<100**	**<20**	**1.2**	**<0.50**	**<0.50**	**0.57**	**<0.50**	**<0.50**	
MW-1	2/11/2003	<100	<20	76	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<1,000	<200	170	<0.50	<5.0	<5.0	<5.0	<5.0	
	9/4/2003	--	--	--	--	--	--	--	--	
	11/17/2003	<100	<20	140	<0.50	<0.50	1.7	--	--	b
	03/01/2004	<100	<20	14	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/02/2004	<500	<100	250	<2.5	<2.5	<2.5	<2.5	<2.5	
	09/16/2004	<500	<100	170	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/07/2004	**<500**	**<100**	**180**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	
MW-2	2/11/2003	<100	<20	71	<0.50	<0.50	13	--	--	
	6/27/2003	<100	<20	45	<0.50	<0.50	5.4	<0.50	<0.50	
	9/4/2003	<100	<20	28	<0.50	<0.50	3.8	<0.50	<0.50	
	11/17/2003	<100	30	50	<0.50	<0.50	6.2	--	--	b

Table 2

Fuel Additives Analytical Data

ARCO Service Station #5387

20200 Hesperian Blvd., Hayward, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-2	03/01/2004	<100	49	36	<0.50	<0.50	6.2	<0.50	<0.50	a
	06/02/2004	<100	<20	9.2	<0.50	<0.50	1.7	<0.50	<0.50	
	09/16/2004	<100	<20	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/07/2004	**<1,000**	**<200**	**10**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	
MW-3	2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #5387
20200 Hesperian Blvd., Hayward, CA

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

FOOTNOTES:
a = The continuing calibration verification was outside of client contractual acceptance limits by 11.7% low. However, it was within method acceptance limits. The data should be useful for its intended purpose.
b = The result was reported with a possible low bias due to continuing calibration verification falling outside the acceptance criteria.

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

Table 3

Groundwater Gradient Data

ARCO Service Station #5387
20200 Hesperian Blvd., Hayward, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
4/24/2002	-	-
9/23/2002	West	0.004
12/9/2002	West	0.003
2/11/2003	West	0.007
6/27/2003	West	0.005
9/4/2003	West	0.005
11/17/2003	West	0.003
3/1/2004	West	0.008
6/2/2004	West	0.005
9/16/2004	Southwest to West	0.004
12/7/2004	**West**	**0.006**

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists Second of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to *California Code of Regulation*, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 041207-551 Date 12-7-04 Client ARCO 5387

Site 20200 Hesperian Blvd. Hayward.

	Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
S	MW-1	2					10.83	28.56		
S	MW-2	2					12.00	27.65		
	MW-3	2					9.90	27.60		
	A-4	3					13.00	34.60		
	A-5	3					12.40	29.50		
	A-6	3					12.35	34.40		
S	A-7	3					13.77	34.95		
	A-8	2					10.55	33.45		replaced 2" cap + L
	A-9	2					12.20	33.30		
	A-10	2	cleared	obstruction.			13.60	33.48		
S	MW-1	6					11.15	33.73		
S	MW-2	6					12.00	35.10		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 041207-SS1	Station # 5387
Sampler: Scott	Date: 12/7/04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.54	Depth to Water: 10.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Other: ________

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

2.8 X 3 = 8.4 Gals.
1 Case Volume (Gals.) Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1011	68.1	7.3	874	2.8	cloudy
1014	68.3	7.3	873	5.6	"
1017	68.2	7.4	876	8.5	"

Did well dewater? Yes (No)	Gallons actually evacuated: 8.5
Sampling Time: 1020	Sampling Date: 12/7/04
Sample I.D.: MW-1	Laboratory: Pace (Sequoia) Other ________
Analyzed for: (GRO) (BTEX) MTBE DRO	Other: oxy's, edB, 1,2-DCA + ethanol (8260)
D.O. (if req'd): Pre-purge: mg/L	(Post-purge): 1.0 mg/L
O.R.P. (if req'd): Pre-purge: mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 041207-SS1	Station # 5387
Sampler: Scott	Date: 12/7/04
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 27.65	Depth to Water: 12.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ____

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

2.5	X	3	=	7.5 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1027	68.1	7.4	915	2.5	cloudy
1030	68.5	7.4	913	5.0	"
1033	68.6	7.4	908	7.5	"

Did well dewater? Yes (No)		Gallons actually evacuated: 7.5	
Sampling Time: 1036		Sampling Date: 12/7/04	
Sample I.D.: MW-2		Laboratory: Pace (Sequoia) Other ____	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: oxy's, edb, 1,2-dca + ethanol (8260)	
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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 041207-SS1	Station # 5387
Sampler: Scott	Date: 12/7/04
Well I.D.: A-7	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 34.95	Depth to Water: 13.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 24 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
955	67.5	7.3	947	8	cloudy
957	68.3	7.2	967	16	mod.
959	68.4	7.3	968	24	"

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Time: 1004 Sampling Date: 12/7/04

Sample I.D.: A-7 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (GRO) (BTEX) MTBE DRO Other: oxy's 1,2-DCA + ethanol (8260)

D.O. (if req'd): Pre-purge: ____ mg/L Post-purge: 0.8 mg/L

O.R.P. (if req'd): Pre-purge: ____ mV Post-purge: ____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 041207-SS1	Station # 5387
Sampler: Scott	Date: 12/7/04
Well I.D.: MW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 33.73	Depth to Water: 11.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

Sampling Method: Bailer / 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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
920	65.7	7.3	850	———	clear

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

Sampling Time: 920 Sampling Date: 12/7/04

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

Analyzed for: (GRO) (BTEX) MTBE DRO Other: OXYS, EDB, 1,2-DCA + ethanol (8260)

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 041207-SS1	Station # 5387
Sampler: Scott	Date: 12/7/04
Well I.D.: MW-2	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth: 35.10	Depth to Water: 12.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / 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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
935	67.0	7.4	856	—	clear

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

Sampling Time: 935 Sampling Date: 12/7/04

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

Analyzed for: GRO (BTEX) MTBE DRO Other: oxy's 8260, 1,2-DCA + ethanol (8260)

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.3 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

BP GEM OIL COMPANY TYPE A BILL OF LADING

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

The contractor performing this work is 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:

5387

Station #

202000 Hesperian Blvd Hayward

Station Address

Total Gallons Collected From Groundwater Monitoring Wells: ____________

added equip. rinse water ____________ any other adjustments ____________

TOTAL GALS. RECOVERED 40 loaded onto BTS vehicle # 54

BTS event # 041207-S9 time 1045 date 12/07/04

signature [signature]

* *

REC'D AT ____________ time ______ date ___/___/___

unloaded by signature ____________

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by RM have been reviewed and verified by that laboratory.

Sequoia
Analytical

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

22 December, 2004

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

RE: ARCO #5387, Hayward, CA
Work Order: MNL0300

Enclosed are the results of analyses for samples received by the laboratory on 12/08/04 17:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes

Leticia Reyes For Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #5387, Hayward, CA	MNL0300
1333 Broadway, Suite 800	Project Number:G09JZ-0197	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/22/04 17:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MNL0300-01	Water	12/07/04 10:20	12/08/04 17:15
MW-2	MNL0300-02	Water	12/07/04 10:36	12/08/04 17:15
A-7	MNL0300-03	Water	12/07/04 10:04	12/08/04 17:15
AR-1	MNL0300-04	Water	12/07/04 09:20	12/08/04 17:15
AR-2	MNL0300-05	Water	12/07/04 09:35	12/08/04 17:15
TB-12072004-5387	MNL0300-06	Water	12/07/04 00:00	12/08/04 17:15

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

These samples were received with intact custody seals.

Sequoia Analytical

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

URS Corporation [Arco]	Project:ARCO #5387, Hayward, CA	MNL0300
1333 Broadway, Suite 800	Project Number:G09JZ-0197	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/22/04 17:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MNL0300-01) Water Sampled: 12/07/04 10:20 Received: 12/08/04 17:15									
tert-Amyl methyl ether	ND	2.5	ug/l	5	4L16036	12/16/04	12/17/04	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**180**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*78-129*		"	"	"	"	
MW-2 (MNL0300-02) Water Sampled: 12/07/04 10:36 Received: 12/08/04 17:15									
tert-Amyl methyl ether	ND	5.0	ug/l	10	4L16036	12/16/04	12/17/04	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**10**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**920**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #5387, Hayward, CA	MNL0300
1333 Broadway, Suite 800	Project Number:G09JZ-0197	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/22/04 17:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-7 (MNL0300-03) Water Sampled: 12/07/04 10:04 Received: 12/08/04 17:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4L16036	12/16/04	12/17/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.8**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*78-129*		"	"	"	"	
AR-1 (MNL0300-04) Water Sampled: 12/07/04 09:20 Received: 12/08/04 17:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4L16036	12/16/04	12/17/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #5387, Hayward, CA	MNL0300
1333 Broadway, Suite 800	Project Number:G09JZ-0197	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/22/04 17:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AR-2 (MNL0300-05) Water Sampled: 12/07/04 09:35 Received: 12/08/04 17:15									
tert-Amyl methyl ether	**0.57**	0.50	ug/l	1	4L16036	12/16/04	12/17/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.2**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project:ARCO #5387, Hayward, CA	MNL0300
1333 Broadway, Suite 800	Project Number:G09JZ-0197	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/22/04 17:41

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L16036 - EPA 5030B P/T / EPA 8260B										
Blank (4L16036-BLK1)				Prepared & Analyzed: 12/16/04						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.93*		"	*5.00*		*99*	*78-129*			
Laboratory Control Sample (4L16036-BS1)				Prepared & Analyzed: 12/16/04						
tert-Amyl methyl ether	9.97	0.50	ug/l	10.0		100	82-140			
Benzene	10.2	0.50	"	10.0		102	69-124			
tert-Butyl alcohol	48.0	20	"	50.0		96	56-131			
Di-isopropyl ether	11.3	0.50	"	10.0		113	76-130			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	77-132			
1,2-Dichloroethane	11.1	0.50	"	10.0		111	77-136			
Ethanol	281	100	"	200		140	31-143			
Ethyl tert-butyl ether	10.5	0.50	"	10.0		105	81-121			
Ethylbenzene	10.0	0.50	"	10.0		100	84-132			
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	63-137			
Toluene	10.3	0.50	"	10.0		103	78-129			
Xylenes (total)	30.4	0.50	"	30.0		101	83-137			
Surrogate: 1,2-Dichloroethane-d4	*4.77*		"	*5.00*		*95*	*78-129*			

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URS Corporation [Arco]	Project:ARCO #5387, Hayward, CA	MNL0300
1333 Broadway, Suite 800	Project Number:G09JZ-0197	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/22/04 17:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4L16036 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (4L16036-BS2)				Prepared & Analyzed: 12/16/04						
Benzene	5.25	0.50	ug/l	6.40		82	69-124			
Ethylbenzene	7.40	0.50	"	7.52		98	84-132			
Methyl tert-butyl ether	8.82	0.50	"	9.92		89	63-137			
Toluene	32.3	0.50	"	31.9		101	78-129			
Xylenes (total)	36.6	0.50	"	36.6		100	83-137			
Gasoline Range Organics (C4-C12)	447	50	"	440		102	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.89*		"	*5.00*		*98*	*78-129*			
Laboratory Control Sample Dup (4L16036-BSD1)				Prepared & Analyzed: 12/16/04						
tert-Amyl methyl ether	10.5	0.50	ug/l	10.0		105	82-140	5	20	
Benzene	10.5	0.50	"	10.0		105	69-124	3	20	
tert-Butyl alcohol	48.9	20	"	50.0		98	56-131	2	20	
Di-isopropyl ether	11.9	0.50	"	10.0		119	76-130	5	20	
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0		108	77-132	6	20	
1,2-Dichloroethane	12.0	0.50	"	10.0		120	77-136	8	20	
Ethanol	280	100	"	200		140	31-143	0.4	20	
Ethyl tert-butyl ether	11.3	0.50	"	10.0		113	81-121	7	20	
Ethylbenzene	10.5	0.50	"	10.0		105	84-132	5	20	
Methyl tert-butyl ether	11.4	0.50	"	10.0		114	63-137	4	20	
Toluene	10.5	0.50	"	10.0		105	78-129	2	20	
Xylenes (total)	32.0	0.50	"	30.0		107	83-137	5	20	
Surrogate: 1,2-Dichloroethane-d4	*4.98*		"	*5.00*		*100*	*78-129*			
Laboratory Control Sample Dup (4L16036-BSD2)				Prepared & Analyzed: 12/16/04						
Benzene	5.61	0.50	ug/l	6.40		88	69-124	7	20	
Ethylbenzene	7.62	0.50	"	7.52		101	84-132	3	20	
Methyl tert-butyl ether	8.87	0.50	"	9.92		89	63-137	0.6	20	
Toluene	33.2	0.50	"	31.9		104	78-129	3	20	
Xylenes (total)	37.7	0.50	"	36.6		103	83-137	3	20	
Gasoline Range Organics (C4-C12)	469	50	"	440		107	70-124	5	20	
Surrogate: 1,2-Dichloroethane-d4	*4.95*		"	*5.00*		*99*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #5387, Hayward, CA	MNL0300
1333 Broadway, Suite 800	Project Number:G09JZ-0197	**Reported:**
Oakland CA, 94612	Project Manager:Scott Robinson	12/22/04 17:41

Notes and Definitions

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: ARCO 5387 Analytical for QMR sampling
BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 5387 > Historical/BL
State or Lead Regulatory Agency: Alameda County Environmental Health Agency
Requested Due Date (mm/dd/yy): 10 DAY TAT

On-site Time:	830	Temp:	55°
Off-site Time:	1045	Temp:	60°
Sky Conditions:	cloudy		
Meteorological Events:	—		
Wind Speed:	—	Direction:	—

Lab Name: Sequoia	BP/AR Facility No.: 5387	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 20200 Hesperian Blvd., Hayward, CA 9454	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.666474 / -122.117	Oakland, CA 94612
Lab PM: Lisa Race	California Global ID No.: T0600101368	Consultant/Contractor Project No.: 38486576
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G0907-0197	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3280 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 04 - Mon/Remed by Natural Attenuation	Report Type & QC Level: Level 1 with EDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Donna_Cosper@urscorp.com
Tele/Fax: 925.299.8891 / 925.299.8872	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO/BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-1	1020	12/7/04		X		01	3				X		X	X	X	X	MDL 0300
2	MW-2	1036			X		02							X	X	X	X	
3	A-7	1004			X		03							X	X	X	X	
4	AP-1	920			X		04							X	X	X	X	
5	AP-2	935			X		05	↓						X	X	X	X	
6	TB-12072004-5387	—	↓		X		06	2										on Hold
7	Temp																	
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Southern SUNS						
Sampler's Company: BTS		12/8/04	165		12/8/04	1645
Shipment Date:		12/8	1715		12/8/04	715
Shipment Method:						
Shipment Tracking No:						

Special Instructions:

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ARCO 5387 | DATE REC'D AT LAB: 12/8/04
REC. BY (PRINT): TD | TIME REC'D AT LAB: 115
WORKORDER: MDL6300 | DATE LOGGED IN: 12-11-04

For Regulatory Purposes?
DRINKING WATER . YES / NO
WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent / Intact / Broken*	01	1-C	MW-1	VOA (3)	HCl		W	12/6/04	
2. Chain-of-Custody Present / Absent*	02		A-1						
3. Traffic Reports or Packing List: Present / Absent	04		AR-1						
4. Airbill: Airbill / Sticker Present / Absent	05	A/B	TB-120704	V (2)					
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper Preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Temp Rec. at Lab: 2.0 Is temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / OFF ON ICE or Problem COC									

12/8/04

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

ATTACHMENT C

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

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Confirmation Number: 2266651213
Date/Time of Submittal: 12/23/2004 4:56:19 PM
Facility Global ID: T0600101368
Facility Name: ARCO
Submittal Title: 5387 - 4th quarter 2004 groundwater monitoring
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO 20200 HESPERIAN BLVD HAYWARD, CA 94541	**Regional Board - Case #: 01-1481** SAN FRANCISCO BAY RWQCB (REGION 2) - **(RDB)** **Local Agency (lead agency) - Case #: 817** ALAMEDA COUNTY LOP - **(AG)**

CONF #	TITLE	QUARTER
2266651213	5387 - 4th quarter 2004 groundwater monitoring	Q4 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	12/23/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

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

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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Electronic Submittal Information

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SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	12/23/2004 4:54:01 PM
GLOBAL ID:	T0600101368
FILE UPLOADED:	ARCO#5387-EDF-MNL0300.zip

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ARCO
20200 HESPERIAN BLVD
HAYWARD, CA 94541

Regional Board - Case #: 01-1481
SAN FRANCISCO BAY RWQCB (REGION 2) - **(RDB)**

Local Agency (lead agency) - Case #: 817
ALAMEDA COUNTY LOP - **(AG)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	5
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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

Electronic Submittal Information

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ARCO - T0600101368 - BACK TO SUBMITTAL STATUS
20200 HESPERIAN BLVD
HAYWARD, CA 94541

GEO_WELL DATA

Submitted By	Submitted Date	Confirmation #	Global ID
SRIJESH THAPA (CONTRACTOR)	12/24/2004	2275695621	T0600101368

#	GLOBAL ID	FIELD POINT NAME	STATUS	GW MEAS DATE	DTFPROD	DTW	RISER HT	TOT DEPTH	GW MEAS DESC	SHEEN
1	T0600101368	MW-1	ACT	12/7/2004		10.83		28.56		U
2	T0600101368	MW-2	ACT	12/7/2004		12		27.65		U
3	T0600101368	MW-3	ACT	12/7/2004		9.9		27.6		U
4	T0600101368	A-4	ACT	12/7/2004		13		34.6		U
5	T0600101368	A-5	ACT	12/7/2004		12.4		29.5		U
6	T0600101368	A-6	ACT	12/7/2004		12.35		34.4		U
7	T0600101368	A-7	ACT	12/7/2004		13.77		34.95		U
8	T0600101368	A-8	ACT	12/7/2004		10.55		33.45		U
9	T0600101368	A-9	ACT	12/7/2004		12.2		33.3		U
10	T0600101368	A-10	ACT	12/7/2004		13.6		33.48		U
11	T0600101368	AR-1	ACT	12/7/2004		11.15		33.73		U
12	T0600101368	AR-2	ACT	12/7/2004		12		35.1		U

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