



April 6, 2005

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

**Re: First Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #5387
20200 Hesperian Blvd
Hayward, California
R0-174**

Dear Mr. Schultz:

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

Leonard P. Niles, R.G./C.H.G.
Senior Geologist

Enclosure: First Quarter 2005 Groundwater Monitoring Report

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

REPORT

**FIRST QUARTER 2005
GROUNDWATER MONITORING
REPORT**

**ARCO SERVICE STATION #5387
2020 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA**

Prepared for
RM

April 6, 2005

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

Date: April 6, 2005
Quarter: 1Q 05

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
Primary Agency: Alameda County Environmental Health (ACEH)
ACEH Case No.: R0-174

WORK PERFORMED THIS QUARTER (First – 2005):

1. Prepared and submitted Fourth Quarter 2004 Groundwater Monitoring Report.
2. Performed first quarter groundwater monitoring event on March 2, 2005.
3. Prepared and submitted this First Quarter 2005 Groundwater Monitoring Report.
4. Prepared and submitted the Soil Vapor Investigation Report.

WORK PROPOSED FOR NEXT QUARTER (Second – 2005):

1. Perform second quarter 2005 groundwater monitoring event.
2. Prepare and submit Second Quarter 2005 Groundwater Monitoring Report.

SITE SUMMARY:

Current Phase of Project: GW monitoring/sampling
Frequency of Groundwater Sampling: Quarterly: Wells MW-1, MW-2, AR-1, AR-2 and 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: 7.86 ft (MW-3) to 12.35 ft (A-7)
Groundwater Gradient (direction): West
Groundwater Gradient (magnitude): 0.01

DISCUSSION:

Gasoline range organics were detected at or above the laboratory reporting limit in two of the nine wells sampled this quarter at concentrations of 50 micrograms per liter ($\mu\text{g/L}$) (MW-1) and 180 $\mu\text{g/L}$ (MW-2). Methyl-tert-butyl ether was detected at or above the laboratory reporting limit in five of the nine wells sampled this quarter at concentrations ranging from 1.4 $\mu\text{g/L}$ (A-7) to 24 $\mu\text{g/L}$ (MW-1). Tert-amyl methyl ether was detected at or above the laboratory reporting limit in one well at a concentration of 0.66 $\mu\text{g/L}$ (AR-2). Tert-butyl alcohol was detected at

or above the laboratory reporting limit in two wells sampled this quarter at concentrations of 66 µg/L (MW-1) and 75 µg/L (MW-2). No other fuel components were detected at or above their respective laboratory reporting limits. Well AR-1, which has a no purge protocol, was mistakenly purged prior to sampling.

RECOMMENDATIONS:

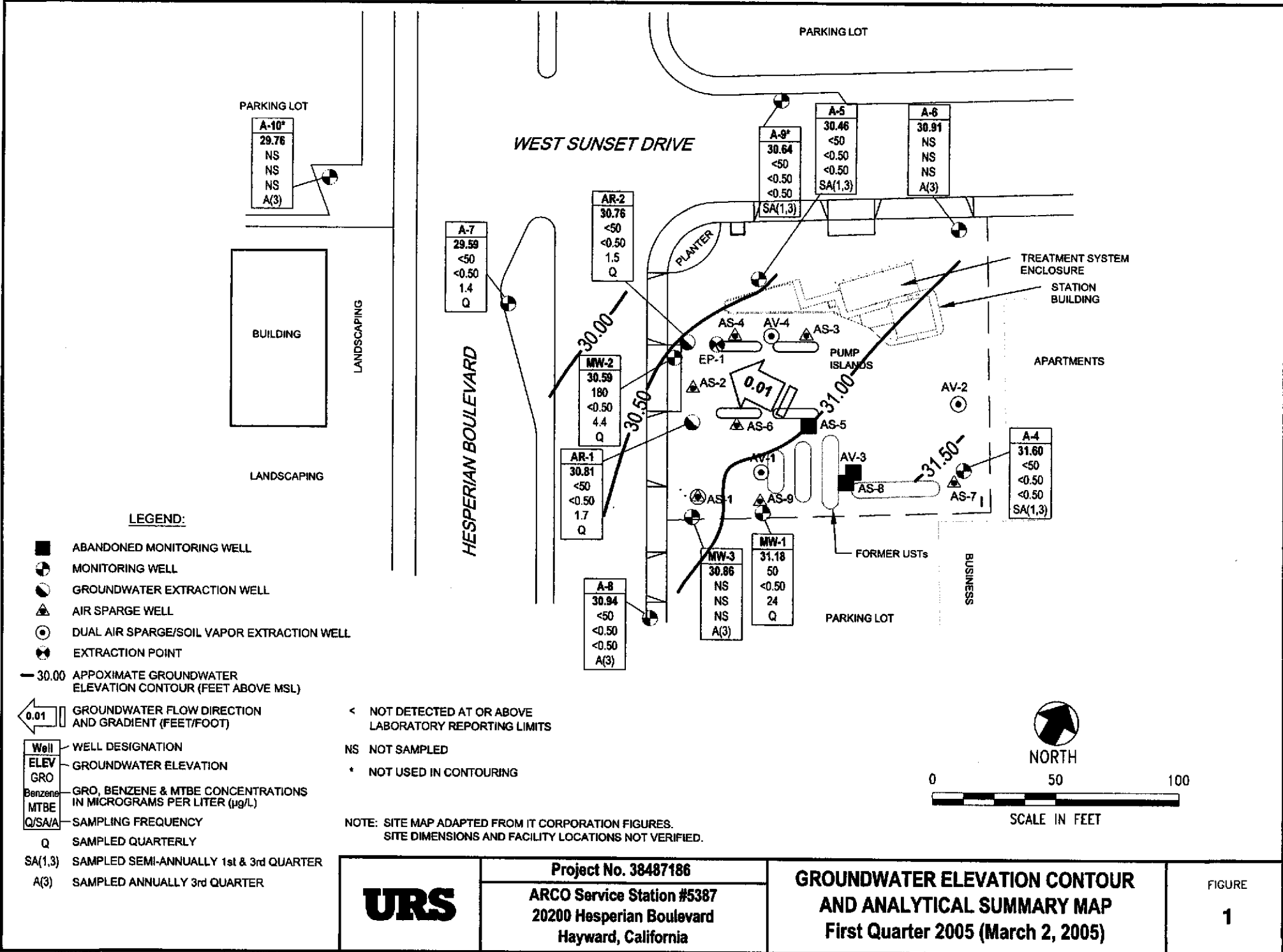
URS recommends significant sampling requirement reductions during the on-going closure review. The current and recommended schedules are as follows:

Well No.	Current Schedule	Recommended Schedule
MW-1	Quarterly	Semi-Annual
MW-2	Quarterly	Semi-Annual
MW-3	Annual	Gage Only
A-4	Semi-Annual	Gage Only
A-5	Semi-Annual	Gage Only
A-6	Annual	Gage Only
A-7	Quarterly	Annual
A-8	Semi-Annual	Gage Only
A-9	Semi-Annual	Gage Only
A-10	Annual	Gage Only
AR-1	Quarterly	Annual
AR-2	Quarterly	Annual

URS believes that the pattern of significantly decreasing concentrations and detections of all analytes supports this recommendation.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – March 2, 2005.
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Table 3 –Groundwater Gradient Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – Error Check Reports and EDF/Geowell Submittal Confirmations

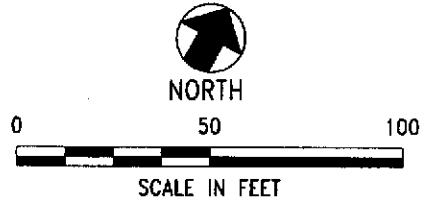


LEGEND:

- ABANDONED MONITORING WELL
- MONITORING WELL
- ⊖ GROUNDWATER EXTRACTION WELL
- ▲ AIR SPARGE WELL
- ⊙ DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL
- ⊗ EXTRACTION POINT
- 30.00 APPROXIMATE GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
- ◁ 0.01 GROUNDWATER FLOW DIRECTION AND GRADIENT (FEET/FOOT)
- Well — WELL DESIGNATION
- ELEV — GROUNDWATER ELEVATION
- GRO — GRO, BENZENE & MTBE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
- 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.



URS	Project No. 38487186	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP	FIGURE 1
	ARCO Service Station #5387 20200 Hesperian Boulevard Hayward, California		

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	<5	--	--
	4/24/2002	--	j	39.53	10.00	35.00	--	--	<50	<0.50	<0.50	<0.50	<0.50	6.2	--	--
	09/23/2002	--	a	39.53	10.00	35.00	--	--	--	--	--	--	<0.50	<0.50	--	--
	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	--	--	--	--	--	--	--	--	--	--

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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	--	--	--	--	--	--	--	--
	03/02/2005	P		42.26	10.00	35.00	10.66	31.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	6.7
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	--	--	

Table 1
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 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	1/15/2002	--		38.47	10.00	30.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	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	1.0	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	--	--	--	--	--	--	--	--
	03/02/2005	P		41.00	10.00	30.00	10.54	30.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	6.6
	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	--	--	

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	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	--	---
	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	2.0	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	5.0	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	--	--	--	--	--	--	--	--
	03/02/2005	--		41.25	5.00	30.00	10.34	30.91	--	--	--	--	--	--	--	--
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	--	--	---

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	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	--	--	--	
	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	<20	--	--	
	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	<5	--	--	
	4/24/2002	--	j	39.38	10.00	35.00	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.8	--	--	
	9/23/2002	P		39.38	10.00	35.00	13.78	25.60	<50.0	<0.500	<0.500	<0.500	<0.500	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	<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		
03/02/2005	P		41.94	10.00	35.00	12.35	29.59	<50	<0.50	<0.50	<0.50	<0.50	1.4	3.1	6.7		
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	--	--	--		

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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	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	--	--	--
	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	<0.5	<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	l	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	--	--	--	--	--	--	--	--
	03/02/2005	P		39.29	10.00	35.00	8.35	30.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	6.8
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	--	--	--

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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	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	--	--	--
	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	<0.5	<0.5	<0.5	--	--	--
	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	--	--	--	--	--	--	--	--
	03/02/2005	P		40.73	10.00	35.00	10.09	30.64	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	6.8

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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
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	--	--	--
	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	--	--	--	--	--	--	--	--
	03/02/2005	--		41.22	10.00	35.00	11.46	29.76	--	--	--	--	--	--	--	--

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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
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	--	--	--
	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

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	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
	03/02/2005	P	p	39.82	15.00	40.00	9.01	30.81	<50	<0.50	<0.50	<0.50	<0.50	1.7	0.9	6.8
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	--	--	---
	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	1.0	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	--	--	--	--	--	--	--	--	--	---

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	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
	03/02/2005	NP		40.68	5.00	35.00	9.92	30.76	<50	<0.50	<0.50	<0.50	<0.50	1.5	0.8	7.0
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	--	--	--
	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	--	--	

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	4/29/1999	--	i	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	--
	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
	03/02/2005	P		39.80	5.00	30.00	8.62	31.18	50	<0.50	<0.50	<0.50	<0.50	24	1.8	6.8
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	--	--

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)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-2	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	--	--
	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
	03/02/2005	P		40.51	5.00	30.00	9.92	30.59	180	<0.50	<0.50	<0.50	<0.50	4.4	1.7	6.9
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	--	--	--

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	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	--	--
	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	1.0	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	1.0	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	--	--	--	--	--	--	--	--
	03/02/2005	--		38.72	5.00	30.00	7.86	30.86	--	--	--	--	--	--	--	--

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.
p = No Purge Protocol well. Well was purged and sampled in error.

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	
	03/02/2005	<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	
	03/02/2005	<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	
	03/02/2005	<100	<20	1.4	<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	
	03/02/2005	<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	--	--	

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-9	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	
	03/02/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
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	
03/02/2005	<100	<20	1.7	<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	
	03/02/2005	<100	<20	1.5	<0.50	<0.50	0.66	<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

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-1	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	
	03/02/2005	<100	66	24	<0.50	<0.50	<0.50	<0.50	<0.50	
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
	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	
	03/02/2005	<100	75	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	
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
3/2/2005	West	0.01

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 # 050202-PC1 Date 3/2/05 Client Arco 5307

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 TOB	
MW-1	2					8.62	28.44	TOB	/
MW-2	2					7.99	27.72		
MW-3	2					7.86	27.56		G.O.
A-4	3					10.66	34.59		
A-5	3					10.54	29.59		
A-6	3					12.34	34.40		G.O.
A-7	3					12.35	34.94		Tr.
A-8	2	Pressure in well - allowed for stabilization				8.35	33.40		
A-9	2					10.09	33.36		Tr.
A-10	2					11.46	33.12		G.O.
AR-1	6					9.01	33.70		
AR-2	6					9.92	35.13	↓	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>050302-09</u>	Station # <u>Arco 5307</u>
Sampler: <u>PC</u>	Date: <u>2/2/05</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>28.44</u>	Depth to Water: <u>8.62</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>DC</u> Grade	D.O. Meter (if req'd): <u>YSD</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: <u>Bailer</u> Disposable Bailer ^ Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> 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>3.2</u>	x	<u>3</u>	=	<u>9.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
<u>1218</u>	<u>64.9</u>	<u>7.0</u>	<u>921</u>	<u>3.2</u>	<u>cloudy</u>
<u>1225</u>	<u>65.7</u>	<u>6.7</u>	<u>921</u>	<u>6.4</u>	↓
<u>1232</u>	<u>65.5</u>	<u>6.8</u>	<u>925</u>	<u>9.6</u>	

Did well dewater? Yes <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>9.6</u>	
Sampling Time: <u>1240</u>	Sampling Date: <u>2/2/05</u>	
Sample I.D.: <u>MW-1</u>	Laboratory: Pace <u>Sequola</u> Other _____	
Analyzed for: GRO BTEX MTBE DRO Other: <u>see DC</u>		
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: <u>1.8</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>050302-PC1</u>	Station # <u>Arco 5387</u>
Sampler: <u>PC</u>	Date: <u>2/2/05</u>
Well I.D.: <u>MW2</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>35.13</u>	Depth to Water: <u>992</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> <u>VE</u> Grade	D.O. Meter (if req'd): <input checked="" type="checkbox"/> <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: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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>4</u>	x	<u>3</u>	=	<u>12</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
<u>1115</u>	<u>66.1</u>	<u>6.8</u>	<u>891</u>	<u>4</u>	
<u>1125</u>	<u>66.7</u>	<u>6.8</u>	<u>900</u>	<u>8</u>	
<u>1134</u>	<u>67.4</u>	<u>6.9</u>	<u>897</u>	<u>12</u>	

Did well dewater? Yes <input checked="" type="checkbox"/> <u>NO</u>	Gallons actually evacuated: <u>12</u>	
Sampling Time: <u>1140</u>	Sampling Date: <u>2/2/05</u>	
Sample I.D.: <u>MW-2</u>	Laboratory: Pace <u>Sequoia</u> Other _____	
Analyzed for: GRO BTEX MTBE DRO	Other: <u>sec100</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: <u>17</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>0503</u>	Station # <u>Arco 5353</u>
Sampler: <u>PC</u>	Date: <u>2/2/05</u>
Well I.D.: <u>A-4</u>	Well Diameter: 2 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/>
Total Well Depth: <u>34.59</u>	Depth to Water: <u>10.60</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVC Grade	D.O. Meter (if req'd): <input checked="" type="checkbox"/> <u>1751</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: _____ 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>0.9</u>	X	<u>3</u>	=	<u>26.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1012	64.2	6.7	853	9	
1014	65.0	6.7	863	18	
1017	65.3	6.7	865	27	

Did well dewater? Yes No Gallons actually evacuated: 27

Sampling Time: 1025 Sampling Date: 2/2/05

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

Analyzed for: GRO BTEX MTBE DRO Other: see COC

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>050302-PC1</u>	Station # <u>Arco 5357</u>
Sampler: <u>PC</u>	Date: <u>3/2/05</u>
Well I.D.: <u>4.5</u>	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth: <u>29.54</u>	Depth to Water: <u>10.54</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> VVO Grade	D.O. Meter (if req'd): <input checked="" type="checkbox"/> YSD <input type="checkbox"/> 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: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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>7.0</u>	x	<u>3</u>	=	<u>21</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1138	66.6	6.9	890	7	
1140	64.9	6.8	887	14	
1150	66.0	6.6	897	21	

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: <u>21</u>	
Sampling Time: <u>1200</u>	Sampling Date: <u>3/2/05</u>	
Sample I.D.: <u>A-5</u>	Laboratory: Pace <u>Sequoia</u> Other _____	
Analyzed for: GRO BTEX MTBE DRO	Other: <u>see COC</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: <u>3.6</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>050302-R1</u>	Station # <u>Arco 5301</u>
Sampler: <u>PC</u>	Date: <u>3/2/05</u>
Well I.D.: <u>A-7</u>	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: <u>24.94</u>	Depth to Water: <u>12.35</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(VO)</u> Grade	D.O. Meter (if req'd): <u>(S)</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: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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>8.4</u>	X	<u>3</u>	=	<u>25.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
905	65.7	6.2	996	8.5	
908	66.7	6.6	976	17	
911	66.8	6.7	971	25.5	

Did well dewater? Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No	Gallons actually evacuated: <u>25.5</u>	
Sampling Time: <u>922</u>	Sampling Date: <u>3/2/05</u>	
Sample I.D.: <u>A-7</u>	Laboratory: Pace <u>Sequoia</u> Other _____	
Analyzed for: GRO BTEX MTBE DRO	Other: <u>see DOC</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: <u>3.1</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>050302-PC1</u>	Station # <u>Arco ^R 5387</u>
Sampler: <u>PC</u>	Date: <u>3/2/05</u>
Well I.D.: <u>A-B</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>33.40</u>	Depth to Water: <u>6.35</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YS</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: <u>Bailer</u> <u>Disposable Bailer</u> <u>^Positive Air Displacement</u> <u>Electric Submersible</u> <u>Extraction Pump</u> Other: _____	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Extraction Port</u> Other: _____
---	--

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

<u>4.0</u>	x	<u>3</u>	=	<u>12</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
<u>1252</u>	<u>64.8</u>	<u>6.8</u>	<u>947</u>	<u>4</u>	<u>cloudy</u>
<u>1259</u>	<u>65.5</u>	<u>6.8</u>	<u>939</u>	<u>8</u>	<u>↓</u>
<u>1306</u>	<u>65.7</u>	<u>6.8</u>	<u>930</u>	<u>12</u>	

Did well dewater? Yes <u>NO</u>	Gallons actually evacuated: <u>12</u>	
Sampling Time: <u>1312</u>	Sampling Date: <u>3/2/05</u>	
Sample I.D.: <u>A-B</u>	Laboratory: Pace <u>sequoia</u> Other _____	
Analyzed for: GRO BTEX MTBE DRO Other: <u>see LOC</u>		
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: <u>3.6</u> mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>050302-PC</u>	Station # <u>Arco 53B7</u>
Sampler: <u>pc</u>	Date: <u>3/2/05</u>
Well I.D.: <u>A-9</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>33.35</u>	Depth to Water: <u>18.09</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>YCO</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: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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>3.7</u>	X	<u>3</u>	=	<u>11.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
938	63.1	6.8	854	3.7	brown
944	63.9	6.7	817	7.4	↓
950	63.9	6.8	800	11.1	

Did well dewater? Yes No Gallons actually evacuated: 11.1

Sampling Time: 1000 Sampling Date: 2/2/05

Sample I.D.: A-9 Laboratory: Pace Sequid Other _____

Analyzed for: GRO BTEX MTBE DRO Other: seccoc

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>650302FY</u>	Station # <u>Arco 5307 #</u>
Sampler: <u>PC</u>	Date: <u>3/2/05</u>
Well I.D.: <u>ARI</u>	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: <u>32.70</u>	Depth to Water: <u>9.01</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VO</u> Grade	D.O. Meter (if req'd): <u>VSD</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: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> 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>36.3</u>	X	<u>3</u>	=	<u>108.9</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1038	65.7	7.0	896	36.5	red
1046	66.6	7.0	920	73	clearing
1054	66.4	6.8	956	110	↓
⇒ Well Purged and sampled in error, No Purge Protocol well.					

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: <u>110</u>	
Sampling Time: <u>1104</u>	Sampling Date: <u>3/2/05</u>	
Sample I.D.: <u>AR-1</u>	Laboratory: Pace <u>Sequoia</u> Other _____	
Analyzed for: GRO BTEX MTBE DRO	Other: <u>see COC</u>	
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 #: 050302-PC	Station # Arco 5387
Sampler: PC	Date: 3/2/05
Well I.D.: AR-2	Well Diameter: 2 3 4 6 8
Total Well Depth: 35.13	Depth to Water: 9.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: FVC Grade	D.O. Meter (if req'd): VSI 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: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other: _____
---	---

NO Purge

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.

37.1	X	3	=	111.3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1120	67.1	7.0	900	—	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: —	
Sampling Time: 1120	Sampling Date: 3/2/05	
Sample I.D.: AR-2	Laboratory: Pace Sequoia Other _____	
Analyzed for: GRO BTEX MTBE DRO	Other: see COC	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: 0.0 mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

BP GEM OIL COMPANY TYPE A BILL OF LADING

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

The contractor performing this work is PLAINE 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:

Arco 5307

Station #

20200 Hesperian Blvd., Hayward

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

220

added equip. 12

rinse water 222

any other adjustments

TOTAL GALS.

RECOVERED 232

loaded onto

BTS vehicle # 48

BTS event #

050302-PC1

time

1100

date

3/2/05

signature

Roth VA

REC'D AT

BTS

time

date

3/2/05

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.



16 March, 2005

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

RE: ARCO #5387, Hayward, CA
Work Order: MOC0106

Enclosed are the results of analyses for samples received by the laboratory on 03/03/05 09:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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

Project: ARCO #5387, Hayward, CA
Project Number: G09JZ-0197
Project Manager: Scott Robinson

MOC0106
Reported:
03/16/05 12:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MOC0106-01	Water	03/02/05 12:40	03/03/05 09:45
MW-2	MOC0106-02	Water	03/02/05 11:40	03/03/05 09:45
A-4	MOC0106-03	Water	03/02/05 10:25	03/03/05 09:45
A-5	MOC0106-04	Water	03/02/05 12:00	03/03/05 09:45
A-7	MOC0106-05	Water	03/02/05 09:22	03/03/05 09:45
A-8	MOC0106-06	Water	03/02/05 13:12	03/03/05 09:45
A-9	MOC0106-07	Water	03/02/05 10:00	03/03/05 09:45
AR-1	MOC0106-08	Water	03/02/05 11:04	03/03/05 09:45
AR-2	MOC0106-09	Water	03/02/05 11:20	03/03/05 09:45
TB-538703022005	MOC0106-10	Water	03/02/05 11:20	03/03/05 09:45

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.

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

 Project: ARCO #5387, Hayward, CA
 Project Number: G09JZ-0197
 Project Manager: Scott Robinson

 MOC0106
 Reported:
 03/16/05 12:38

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MOC0106-01) Water Sampled: 03/02/05 12:40 Received: 03/03/05 09:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5C14004	03/14/05	03/14/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	66	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	24	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	50	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>107 %</i>	<i>60-135</i>	"	"	"	"	"	
MW-2 (MOC0106-02) Water Sampled: 03/02/05 11:40 Received: 03/03/05 09:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5C14004	03/14/05	03/14/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	75	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	4.4	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	180	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>106 %</i>	<i>60-135</i>	"	"	"	"	"	

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

 Project: ARCO #5387, Hayward, CA
 Project Number: G09JZ-0197
 Project Manager: Scott Robinson

 MOC0106
 Reported:
 03/16/05 12:38

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-4 (MOC0106-03) Water Sampled: 03/02/05 10:25 Received: 03/03/05 09:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5C14004	03/14/05	03/15/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	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>		103 %	60-135	"	"	"	"	"	
A-5 (MOC0106-04) Water Sampled: 03/02/05 12:00 Received: 03/03/05 09:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5C14004	03/14/05	03/15/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	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>		90 %	60-135	"	"	"	"	"	

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

 Project: ARCO #5387, Hayward, CA
 Project Number: G09JZ-0197
 Project Manager: Scott Robinson

 MOC0106
 Reported:
 03/16/05 12:38

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-7 (MOC0106-05) Water Sampled: 03/02/05 09:22 Received: 03/03/05 09:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	SC14004	03/14/05	03/15/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	1.4	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>		100 %		60-135	"	"	"	"	
A-8 (MOC0106-06) Water Sampled: 03/02/05 13:12 Received: 03/03/05 09:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	SC14004	03/14/05	03/15/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	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>		105 %		60-135	"	"	"	"	

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

 Project: ARCO #5387, Hayward, CA
 Project Number: G09JZ-0197
 Project Manager: Scott Robinson

 MOC0106
 Reported:
 03/16/05 12:38

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
A-9 (MOC0106-07) Water Sampled: 03/02/05 10:00 Received: 03/03/05 09:45										
tert-Amyl methyl ether	ND	0.50		ug/l	1	SC14004	03/14/05	03/15/05	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50		"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50		"	"	"	"	"	"	
Ethanol	ND	100		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	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>			103 %		60-135	"	"	"	"	
AR-1 (MOC0106-08) Water Sampled: 03/02/05 11:04 Received: 03/03/05 09:45										
tert-Amyl methyl ether	ND	0.50		ug/l	1	SC14004	03/14/05	03/15/05	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50		"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50		"	"	"	"	"	"	
Ethanol	ND	100		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	1.7	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>			106 %		60-135	"	"	"	"	

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

 Project: ARCO #5387, Hayward, CA
 Project Number: G09JZ-0197
 Project Manager: Scott Robinson

 MOC0106
 Reported:
 03/16/05 12:38

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AR-2 (MOC0106-09) Water Sampled: 03/02/05 11:20 Received: 03/03/05 09:45									
tert-Amyl methyl ether	0.66	0.50	ug/l	1	SC14004	03/14/05	03/15/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	1.5	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		99 %		60-135	"	"	"	"	

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

 Project: ARCO #5387, Hayward, CA
 Project Number: G09JZ-0197
 Project Manager: Scott Robinson

 MOC0106
 Reported:
 03/16/05 12:38

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 5C14004 - EPA 5030B P/T / EPA 8260B
Blank (5C14004-BLK1)

Prepared & Analyzed: 03/14/05

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
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>	5.25		"	5.00		105	60-135			

Laboratory Control Sample (5C14004-BS1)

Prepared & Analyzed: 03/14/05

tert-Amyl methyl ether	11.1	0.50	ug/l	10.0		111	80-115			
Benzene	9.77	0.50	"	10.0		98	65-115			
tert-Butyl alcohol	48.7	20	"	50.0		97	75-150			
Di-isopropyl ether	11.2	0.50	"	10.0		112	75-125			
1,2-Dibromoethane (EDB)	10.1	0.50	"	10.0		101	85-120			
1,2-Dichloroethane	11.1	0.50	"	10.0		111	85-130			
Ethanol	185	100	"	200		92	70-135			
Ethyl tert-butyl ether	11.2	0.50	"	10.0		112	75-130			
Ethylbenzene	9.62	0.50	"	10.0		96	75-135			
Methyl tert-butyl ether	11.4	0.50	"	10.0		114	65-125			
Toluene	9.55	0.50	"	10.0		96	85-120			
Xylenes (total)	30.1	0.50	"	30.0		100	85-125			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.24		"	5.00		105	60-135			

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

 Project: ARCO #5387, Hayward, CA
 Project Number: G09JZ-0197
 Project Manager: Scott Robinson

 MOC0106
 Reported:
 03/16/05 12:38

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 5C14004 - EPA 5030B P/T / EPA 8260B
Laboratory Control Sample (5C14004-BS2)

Prepared & Analyzed: 03/14/05

Benzene	5.67	0.50	ug/l	6.40		89	65-115			
Ethylbenzene	7.79	0.50	"	7.52		104	75-135			
Methyl tert-butyl ether	9.13	0.50	"	9.92		92	65-125			
Toluene	31.7	0.50	"	31.9		99	85-120			
Xylenes (total)	39.1	0.50	"	36.6		107	85-125			
Gasoline Range Organics (C4-C12)	406	50	"	440		92	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.77</i>		<i>"</i>	<i>5.00</i>		<i>95</i>	<i>60-135</i>			

Laboratory Control Sample Dup (5C14004-BSD1)

Prepared & Analyzed: 03/14/05

tert-Amyl methyl ether	11.3	0.50	ug/l	10.0		113	80-115	2	15	
Benzene	10.4	0.50	"	10.0		104	65-115	6	20	
tert-Butyl alcohol	49.6	20	"	50.0		99	75-150	2	25	
Di-isopropyl ether	11.6	0.50	"	10.0		116	75-125	4	15	
1,2-Dibromoethane (EDB)	10.4	0.50	"	10.0		104	85-120	3	15	
1,2-Dichloroethane	11.7	0.50	"	10.0		117	85-130	5	20	
Ethanol	176	100	"	200		88	70-135	5	35	
Ethyl tert-butyl ether	11.9	0.50	"	10.0		119	75-130	6	25	
Ethylbenzene	10.0	0.50	"	10.0		100	75-135	4	15	
Methyl tert-butyl ether	11.3	0.50	"	10.0		113	65-125	0.9	20	
Toluene	10.2	0.50	"	10.0		102	85-120	7	20	
Xylenes (total)	30.5	0.50	"	30.0		102	85-125	1	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.37</i>		<i>"</i>	<i>5.00</i>		<i>107</i>	<i>60-135</i>			

Matrix Spike (5C14004-MS1)

Source: MOC0107-04

Prepared & Analyzed: 03/14/05

Benzene	302	25	ug/l	320	ND	94	65-115			
Ethylbenzene	392	25	"	376	ND	104	75-135			
Methyl tert-butyl ether	1690	25	"	496	1300	79	65-125			
Toluene	1700	25	"	1600	ND	106	85-120			
Xylenes (total)	2040	25	"	1830	ND	111	85-125			
Gasoline Range Organics (C4-C12)	21600	2500	"	22000	2300	88	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.02</i>		<i>"</i>	<i>5.00</i>		<i>100</i>	<i>60-135</i>			

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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

 Project: ARCO #5387, Hayward, CA
 Project Number: G09JZ-0197
 Project Manager: Scott Robinson

 MOC0106
 Reported:
 03/16/05 12:38

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 5C14004 - EPA 5030B P/T / EPA 8260B

Matrix Spike Dup (5C14004-MSD1)	Source: MOC0107-04			Prepared & Analyzed: 03/14/05						
Benzene	278	25	ug/l	320	ND	87	65-115	8	20	
Ethylbenzene	374	25	"	376	ND	99	75-135	5	15	
Methyl tert-butyl ether	1770	25	"	496	1300	95	65-125	5	20	
Toluene	1650	25	"	1600	ND	103	85-120	3	20	
Xylenes (total)	1880	25	"	1830	ND	103	85-125	8	20	
Gasoline Range Organics (C4-C12)	21700	2500	"	22000	2300	88	70-124	0.5	20	
Surrogate: 1,2-Dichloroethane-d4	5.53		"	5.00		111	60-135			

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612Project: ARCO #5387, Hayward, CA
Project Number: G09JZ-0197
Project Manager: Scott RobinsonMOC0106
Reported:
03/16/05 12:38**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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BO SPT
 REC. BY (PRINT): TP
 WORKORDER: 10E0106

DATE REC'D AT LAB: 03/03/05
 TIME REC'D AT LAB: 945
 DATE LOGGED IN: 3-4-05

For Regulatory Purposes?
 DRINKING WATER YES/NO YES/NO
 WASTE WATER YES/NO 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) <u>(Frosted)</u> / Absent <u>Intact</u> / Broken*	01	AL	MW-1	WA 3	MLL	-	W	03/03/05	
2. Chain-of-Custody <u>Present</u> / Absent*	03		A-4						
3. Traffic Reports or Packing List: <u>Present</u> / Absent	04		-5						
4. Airbill: Airbill / Sticker <u>Present</u> / Absent	05		-7						
5. Airbill #:	06		-8						
6. Sample Labels: <u>Present</u> / Absent	07		C-9						
7. Sample IDs: <u>Listed</u> / Not listed on Chain-of-Custody	08		AL-1						
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*	09		C-2						
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes</u> / No*	10	AP	BO-SPT-0102105	2					
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) <u>Yes</u> / No*									
14. Temp Recd. at Lab: Is temp $\pm 1-2^{\circ}\text{C}$? <u>Yes</u> / No**									

03/03/05

SRL Revision 6
 Replaces Rev 5 (06/07/04)
 Effective 07/13/04

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

ATTACHMENT C

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

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<u>ORGANIZATION NAME:</u>	URS Corporation-Oakland Office
<u>USER NAME:</u>	URSCORP-OAKLAND
<u>DATE CHECKED:</u>	3/16/2005 3:49:35 PM

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Submittal Title: 1Q2005 QMR Geowell ARCO Site
5387

Submittal Date/Time: 3/16/2005 3:50:51 PM

Confirmation
Number: 1575474381

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SUCCESSFUL EDF CHECK - NO ERRORS

<u>ORGANIZATION NAME:</u>	URS Corporation-Oakland Office
<u>USER NAME:</u>	URSCORP-OAKLAND
<u>DATE CHECKED:</u>	3/16/2005 3:54:20 PM
<u>GLOBAL ID:</u>	T0600101368
<u>FILE UPLOADED:</u>	ARCO#5387-EDF-MOC0106.zip

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

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

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	9
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
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	Y
- MATRIX SPIKE DUPLICATE	Y

- BLANK SPIKE		Y
- SURROGATE SPIKE		Y
<u>WATER SAMPLES FOR 8021/8260 SERIES</u>		
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
<u>SOIL SAMPLES FOR 8021/8260 SERIES</u>		
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
<u>FIELD QC SAMPLES</u>		
<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPDL</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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Confirmation Number: 5405727863
Date/Time of Submittal: 3/16/2005 3:57:56 PM
Facility Global ID: T0600101368
Facility Name: ARCO
Submittal Title: 1Q2005 QMR EDF ARCO Site 5387
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
5405727863	1Q2005 QMR EDF ARCO Site 5387	Q1 2005
SUBMITTED BY Srijesh Thapa	SUBMIT DATE 3/16/2005	STATUS PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	9
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
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	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	
<u>SOIL SAMPLES FOR 8021/8260 SERIES</u>		
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	
<u>FIELD QC SAMPLES</u>		
<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.