RO-174

URS

October 27, 2004

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

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

Dear Mr. Schultz:

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

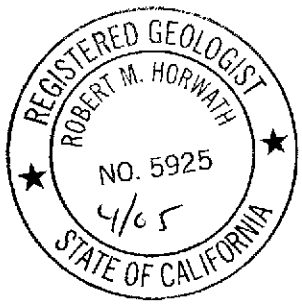
If you have any questions regarding this submission, please call me at (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

R. Horwath
Robert Horwath, R.G.
Portfolio Manager



Enclosure: Third Quarter 2004 Groundwater Monitoring Report

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

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

REPORT

THIRD QUARTER 2004 GROUNDWATER MONITORING

ARCO SERVICE STATION #5387
20200 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA

Prepared for
RM

October 27, 2004

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

38486726

Date: October 27, 2004

Quarter: 3Q 04

RM QUARTERLY GROUNDWATER MONITORING REPORT

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

WORK PERFORMED THIS QUARTER (Third – 2004):

1. Performed third quarter groundwater monitoring event on September 16, 2004.
2. Prepared and submitted Second Quarter 2004 Groundwater Monitoring Report.
3. Submitted Active Soil Gas Investigation Work Plan on September 28, 2004.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2004):

1. Perform fourth quarter 2004 groundwater monitoring event.
2. Prepare and submit this Third Quarter 2004 Groundwater Monitoring Report.
3. Prepare and submit Fourth Quarter 2004 Groundwater Monitoring Report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-1, MW-2, AR-1, AR-2, A-7 Semi-annually (1st and 3rd Quarters): Wells A-4, A-5, A-8, and A-9 Annually (3rd Quarter): Wells MW-3, A-6, and A-10
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	9.95 ft (MW-3) to 13.89 ft (A-7)
Groundwater Gradient (direction):	Southwest to West
Groundwater Gradient (magnitude):	0.004

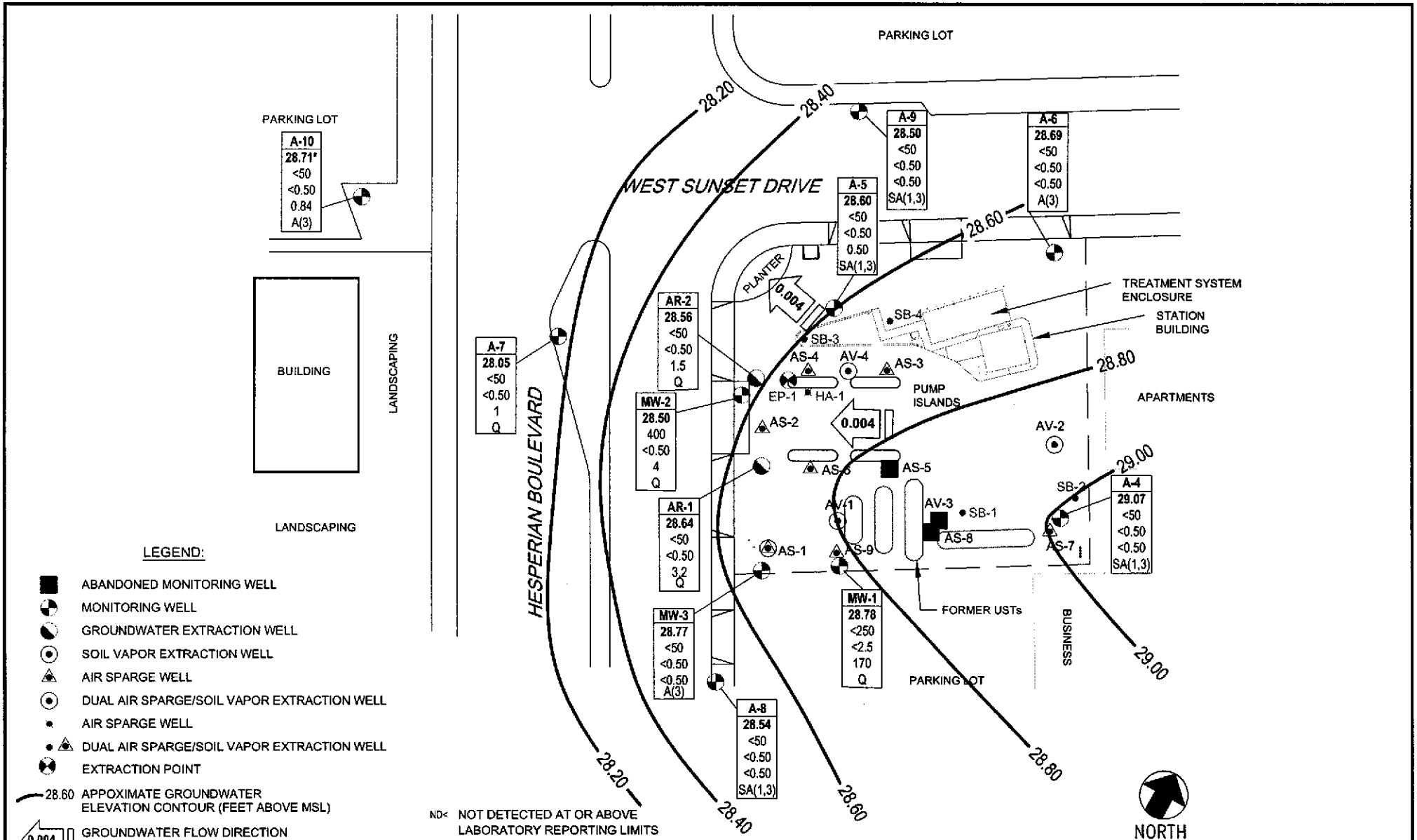
DISCUSSION:

Gasoline range organics (GRO) were detected above the laboratory reporting limit in one of the twelve wells sampled this quarter at a concentration of 400 micrograms per liter (µg/L) (MW-2). Benzene was not detected above the laboratory reporting limit in any of the wells sampled this quarter. Methyl-tert-butyl ether (MTBE) was detected above the laboratory reporting limit in seven of the twelve wells sampled this quarter at concentrations ranging from 0.50 µg/L (A-5) to 170 µg/L (MW-1). Tert-amyl methyl ether (TAME) was detected above the laboratory reporting limit in one well at a concentration of 0.79 µg/L (AR-2). No other fuel additives were detected above their respective laboratory reporting limits.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 16, 2004.
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Additives Analytical 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

Nov 02, 2004 - 2:23pm
X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\5387\Monitoring\Qtr. 3, 2004\Drawings\NEW-5387-3Q04-GW.dwg



LEGEND:

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

Well
ELEV
GRO
Benzene
MTBE
Q/SA/A

- WELL DESIGNATION
- GROUNDWATER ELEVATION
- GRO, BENZENE & MTBE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
- SAMPLING FREQUENCY

Q = SAMPLED QUARTERLY
SA(1,3) = SAMPLED SEMI-ANNUALLY 1st & 3rd QUARTER
A(3) = SAMPLED ANNUALLY 3rd QUARTER

ND< 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. 38486726

ARCO Service Station #5387
20200 Hesperian Boulevard
Hayward, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP
Third Quarter 2004 (September 16, 2004)

FIGURE
1

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
A-4	3/6/1991	--		39.46	10.00	35.00	13.22	--	26.24	34,000	11,000	870	2,500	2,100	--	--	---
	12/24/1991	--		39.86	10.00	35.00	17.60	--	22.26	1,900	29	1.9	25	29	--	--	---
	3/10/1992	--		39.86	10.00	35.00	14.76	--	25.10	7,400	37	<0.60	11	73	--	--	---
	6/9/1992	--		39.86	10.00	35.00	15.63	--	24.23	4,500	3.2	1.5	37	16	--	--	---
	9/14/1992	--		39.86	10.00	35.00	16.83	--	23.03	1,300	<2.5	2.5	61	6.8	--	--	---
	11/12/1992	--		39.86	10.00	35.00	16.97	--	22.89	610	7.2	0.98	34	0.97	--	--	---
	2/11/1993	--		39.86	10.00	35.00	13.43	--	26.43	740	2.4	<0.5	5	3.5	--	--	---
	4/14/1993	--		39.86	10.00	35.00	13.06	--	26.80	380	<0.5	<0.5	10	1.6	--	--	---
	8/12/1993	--		39.86	10.00	35.00	14.94	--	24.92	1,200	0.93	<0.5	0.91	<0.5	--	--	---
	10/26/1993	--		39.86	10.00	35.00	15.52	--	24.34	160	<0.5	<0.5	1	<0.5	--	--	---
	2/17/1994	--		39.46	10.00	35.00	14.02	--	25.44	320	0.5	<0.5	28	0.9	--	--	---
	5/3/1994	--		39.46	10.00	35.00	13.85	--	25.61	130	<0.5	<0.5	1.1	<0.5	--	--	---
	8/17/1994	--		39.53	10.00	35.00	14.95	--	39.53	62	34.58	<0.5	<0.5	<0.5	--	--	---
	11/18/1994	--		39.53	10.00	35.00	14.46	--	25.07	98	1.3	0.6	<0.5	<0.5	--	--	---
	12/6/1995	--		39.53	10.00	35.00	13.82	--	25.71	ND	0.6	ND	ND	ND	--	--	---
	2/14/1996	--		39.53	10.00	35.00	11.24	--	28.29	ND	ND	2.3	ND	0.71	--	--	---
	10/29/1996	--		39.53	10.00	35.00	13.50	--	26.03	140	ND	ND	ND	ND	--	--	---
	1/29/1997	--		39.53	10.00	35.00	12.65	--	26.88	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		39.53	10.00	35.00	13.97	--	25.56	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		39.53	10.00	35.00	12.70	--	26.83	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		39.53	10.00	35.00	13.95	--	25.58	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		39.53	10.00	35.00	11.90	--	27.63	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		39.53	10.00	35.00	13.92	--	25.61	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		39.53	10.00	35.00	10.80	--	28.73	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		39.53	10.00	35.00	12.60	--	26.93	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		39.53	10.00	35.00	12.60	--	26.93	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		39.53	10.00	35.00	12.61	--	26.92	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		39.53	10.00	35.00	---	--	---	<50	<0.5	<0.5	<0.5	<0.5	6.2	--	---
	4/24/2002	--	j	39.53	10.00	35.00	---	--	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	---
	09/23/2002	--	a	39.53	10.00	35.00	---	--	---	--	--	--	--	--	--	--	---
	12/9/2002	P		39.53	10.00	35.00	13.36	--	--	<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	--	--	<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	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.7
	09/04/2003	--	a	39.53	10.00	35.00	---	--	---	--	--	--	--	--	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	--		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	--		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**
A-5	12/24/1991	--		38.94	10.00	30.00	16.85	--	22.09	1,600	21	<0.30	32	52	--	--	---
	3/10/1992	--		38.94	10.00	30.00	13.83	--	25.11	1,000	1.6	<0.30	43	100	--	--	---
	6/9/1992	--		38.94	10.00	30.00	14.91	--	24.03	680	34	<1.5	14	16	--	--	---
	9/14/1992	--		38.94	10.00	30.00	16.14	--	22.80	770	12	<0.30	51	65	--	--	---
	11/12/1992	--		38.94	10.00	30.00	16.35	--	22.59	520	3	<2.5	29	36	--	--	---
	2/11/1993	--		38.94	10.00	30.00	13.21	--	25.73	150	1.6	0.96	5.1	1.5	--	--	---
	4/14/1993	--		38.94	10.00	30.00	12.97	--	25.97	190	5.4	<0.5	1.5	0.97	--	--	---
	8/12/1993	--		38.94	10.00	30.00	14.12	--	24.82	230	1.7	<0.5	5.3	0.94	--	--	---
	10/26/1993	--		38.94	10.00	30.00	14.72	--	24.22	190	2.8	<0.5	5.5	2	--	--	---
	2/17/1994	--		38.47	10.00	30.00	13.20	--	25.27	340	<0.5	<0.5	13	2.9	--	--	---
	5/3/1994	--		38.47	10.00	30.00	13.08	--	25.39	170	1.4	<0.5	4	1.9	--	--	---
	8/17/1994	--		38.54	10.00	30.00	14.18	--	24.36	270	0.6	<0.5	7.3	1.1	--	--	---
	11/18/1994	--		38.54	10.00	30.00	13.73	--	24.81	338	--	<0.5	4.6	<0.5	--	--	---
	9/26/1995	--		38.47	10.00	30.00	12.44	--	26.03	ND	0.63	1.1	ND	1.2	--	--	---
	12/6/1995	--		38.47	10.00	30.00	12.92	--	25.55	ND	ND	ND	ND	ND	--	--	---
	2/14/1996	--		38.47	10.00	30.00	10.76	--	27.71	ND	ND	2	ND	1.1	--	--	---
	10/29/1996	--		38.47	10.00	30.00	12.35	--	26.12	ND	ND	ND	ND	ND	--	--	---
	1/29/1997	--		38.47	10.00	30.00	10.85	--	27.62	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		38.47	10.00	30.00	13.56	--	24.91	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		38.47	10.00	30.00	11.80	--	26.67	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		38.47	10.00	30.00	12.20	--	26.27	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		38.47	10.00	30.00	10.12	--	28.35	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		38.47	10.00	30.00	13.50	--	24.97	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		38.47	10.00	30.00	10.20	--	28.27	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		38.47	10.00	30.00	11.50	--	26.97	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		38.47	10.00	30.00	10.15	--	28.32	<50	0.32	0.38	<0.3	<0.5	<20	--	---
	4/29/1999	--		38.47	10.00	30.00	11.50	--	26.97	<50	<0.3	<0.3	<0.3	0.58	<5	--	---
	1/15/2002	--		38.47	10.00	30.00	---	--	---	<50	<0.5	<0.5	<0.5	<0.5	5	--	---
	4/24/2002	--	j	38.47	10.00	30.00	---	--	---	<50	<0.50	<0.50	<0.50	<0.50	1.2	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	9/23/2002	P		38.47	10.00	30.00	12.55	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	1.3	1	6.7
	12/9/2002	P		38.47	10.00	30.00	12.60	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	1.9	6.6
	2/11/2003	P	e	38.47	10.00	30.00	11.37	--	--	<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	--	--	<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	--		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	--		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**
A-6	12/24/1991	--		39.07	--	--	16.88	--	22.19	<30	<0.3	<0.3	<0.3	<0.3	--	--	---
	3/10/1992	--		39.07	--	--	13.73	--	25.34	<30	<0.3	<0.3	<0.3	<0.3	--	--	---
	6/9/1992	--		39.07	--	--	14.95	--	24.12	<30	<0.3	<0.3	<0.3	<0.3	--	--	---
	9/14/1992	--		39.07	--	--	16.20	--	22.87	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/12/1992	--		39.07	--	--	16.35	--	22.72	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/11/1993	--		39.07	--	--	13.04	--	26.03	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	4/14/1993	--		39.07	--	--	12.23	--	26.84	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/12/1993	--		39.07	--	--	14.18	--	24.89	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	10/26/1993	--		39.07	--	--	14.85	--	24.22	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	5/3/1994	--		39.07	--	--	13.66	--	25.41	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/17/1994	--		38.78	--	--	14.34	--	24.44	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/18/1994	--		38.78	--	--	13.76	--	25.02	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	9/26/1995	--		38.78	--	--	12.56	--	26.22	ND	ND	ND	ND	ND	--	--	---
	12/6/1995	--		38.78	--	--	13.18	--	25.60	ND	ND	ND	ND	ND	--	--	---
	2/14/1996	--		38.78	--	--	12.46	--	26.32	ND	ND	ND	ND	ND	--	--	---
	10/29/1996	--		38.78	--	--	12.40	--	26.38	50	ND	ND	ND	ND	--	--	---
	1/29/1997	--		38.78	--	--	13.85	--	24.93	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		38.78	--	--	12.49	--	26.29	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		38.78	--	--	12.10	--	26.68	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		38.78	--	--	15.20	--	23.58	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		38.78	--	--	13.80	--	24.98	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		38.78	--	--	12.45	--	26.33	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		38.78	--	--	10.30	--	28.48	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		38.78	--	--	11.10	--	27.68	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	1/13/1999	--		38.78	--	--	10.40	--	28.38	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		38.78	--	--	13.80	--	24.98	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		38.78	--	--	--	--	---	<50	<0.5	<0.5	<0.5	<0.5	5.7	--	---
	4/24/2002	--	j	38.78	--	--	--	--	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	---
	9/23/2002	P		38.78	--	--	12.61	--	--	<50	<0.500	<0.500	<0.500	<1.50	<0.500	1.4	6.8
	12/9/2002	P		38.78	--	--	12.67	--	--	<50	<0.500	<0.500	<0.500	<1.00	<5.00	2.6	6.7
	2/11/2003	P	e	38.78	--	--	11.21	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2	6.7
	6/27/2003	--		38.78	--	--	11.60	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5	6.9
	9/4/2003	--		38.78	--	--	12.29	--	26.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	6.9
	03/01/2004	--	i	41.25	--	--	10.45	--	30.80	--	--	--	--	--	--	--	--
	06/02/2004	--		41.25	--	--	11.75	--	29.50	--	--	--	--	--	--	--	--
	09/16/2004	**P**		**41.25**	**--**	**--**	**12.56**	**--**	**28.69**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.8**	**6.8**
A-7	12/24/1991	--		39.95	10.00	35.00	18.11	--	21.84	10,000	88	16	170	610	--	--	---
	3/10/1992	--		39.95	10.00	35.00	15.30	--	24.65	320	9.3	0.54	8.8	34	--	--	---
	6/9/1992	--		39.95	10.00	35.00	16.12	--	23.83	340	11	1.1	8.9	26	--	--	---
	9/14/1992	--		39.95	10.00	35.00	17.35	--	22.60	510	12	<2.0	30	51	--	--	---
	11/12/1992	--		39.95	10.00	35.00	17.47	--	22.48	760	17	0.83	50	73	--	--	---
	2/11/1993	--		39.95	10.00	35.00	13.80	--	26.15	260	20	1	11	21	--	--	---
	4/14/1993	--		39.95	10.00	35.00	13.60	--	26.35	1,300	89	2.1	48	87	--	--	---
	8/12/1993	--		39.95	10.00	35.00	15.54	--	24.41	360	9	<0.50	13	9	--	--	---
	10/26/1993	--		39.95	10.00	35.00	16.28	--	23.67	99	1.7	<0.50	4	3	--	--	---
	2/17/1994	--		39.38	10.00	35.00	14.44	--	24.94	1,300	38	<1	35	25	--	--	---
	5/3/1994	--		39.38	10.00	35.00	14.34	--	25.04	330	8.1	<0.5	7.8	3.7	--	--	---
	8/17/1994	--		39.45	10.00	35.00	15.40	--	24.05	350	2.2	<0.5	9.6	3.6	--	--	---
	11/18/1994	--		39.45	10.00	35.00	14.95	--	24.50	412	1.3	<0.5	6.2	2	--	--	---
	9/26/1995	--		39.38	10.00	35.00	13.92	--	25.46	ND	ND	ND	ND	ND	--	--	---
	12/6/1995	--		39.38	10.00	35.00	14.42	--	24.96	ND	ND	ND	ND	ND	--	--	---
	2/14/1996	--		39.38	10.00	35.00	12.38	--	27.00	ND	ND	1.1	ND	0.59	--	--	---
	10/29/1996	--		39.38	10.00	35.00	12.33	--	27.05	ND	ND	ND	ND	ND	--	--	---
	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	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
A-7	1/28/1998	--		39.38	10.00	35.00	13.00	--	26.38	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		39.38	10.00	35.00	11.65	--	27.73	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		39.38	10.00	35.00	11.20	--	28.18	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		39.38	10.00	35.00	13.75	--	25.63	51	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		39.38	10.00	35.00	14.45	--	24.93	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		39.38	10.00	35.00	13.74	--	25.64	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/15/2002	--		39.38	10.00	35.00	---	--	---	<50	<0.5	<0.5	<0.5	<0.5	4.8	--	---
	4/24/2002	--	j	39.38	10.00	35.00	---	--	---	<50	<0.50	<0.50	<0.50	<0.50	7.2	--	---
	9/23/2002	P		39.38	10.00	35.00	13.78	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	3.48	0.8	6.7
	12/9/2002	P		39.38	10.00	35.00	13.97	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	2.2	6.8
	2/11/2003	P	e	39.38	10.00	35.00	12.35	--	--	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	--	--	<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**
A-8	9/14/1992	--		37.23	10.00	35.00	14.19	--	23.04	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/12/1992	--		37.23	10.00	35.00	14.35	--	22.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/11/1993	--		37.23	10.00	35.00	11.25	--	25.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	4/14/1993	--		37.23	10.00	35.00	12.33	--	24.90	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/12/1993	--		37.23	10.00	35.00	12.41	--	24.82	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	10/26/1993	--		37.23	10.00	35.00	13.02	--	24.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/17/1994	--		36.76	10.00	35.00	11.47	--	25.29	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	5/3/1994	--		36.76	10.00	35.00	11.35	--	25.41	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/17/1994	--		36.84	10.00	35.00	12.34	--	24.50	<50	<0.5	1.7	<0.5	1.4	--	--	---
	11/18/1994	--		36.84	10.00	35.00	11.90	--	24.94	<50	1	<0.5	<0.5	<0.5	--	--	---
	9/26/1995	--		36.76	10.00	35.00	10.94	--	25.82	<50	ND	ND	ND	ND	--	--	---
	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	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	7/31/1997	--		36.76	10.00	35.00	11.20	--	25.56	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		36.76	10.00	35.00	12.14	--	24.62	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		36.76	10.00	35.00	4.43	--	32.33	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		36.76	10.00	35.00	10.55	--	26.21	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		36.76	10.00	35.00	9.07	--	27.69	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	10/22/1998	--		36.76	10.00	35.00	12.12	--	24.64	<50	<0.3	<0.3	<0.3	<0.5	<5	--	---
	1/13/1999	--		36.76	10.00	35.00	9.60	--	27.16	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		36.76	10.00	35.00	9.08	--	27.68	<50	<0.3	<0.3	<0.3	1.5	<5	--	---
	1/15/2002	--		36.76	10.00	35.00	---	--	---	<50	<0.5	<0.5	<0.5	<0.5	5.6	--	---
	4/24/2002	--	j	36.76	10.00	35.00	---	--	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	---
	9/23/2002	P		36.76	10.00	35.00	10.75	--	26.01	<50	<0.500	<0.500	<0.500	<1.50	<0.500	1.0	6.8
	12/9/2002	P		36.76	10.00	35.00	10.81	--	25.95	<50	<0.500	<0.500	<0.500	<1.00	<5.00	2.1	6.6
	2/11/2003	P	e	36.76	10.00	35.00	9.90	--	26.86	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	6.5
	6/27/2003	--		36.76	10.00	35.00	9.73	--	27.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	6.8
	9/4/2003	--		36.76	10.00	35.00	10.32	--	26.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	6.9
	11/17/2003	--		36.76	10.00	35.00	10.55	--	26.21	--	--	--	--	--	--	--	--
	03/01/2004	P	i	39.29	10.00	35.00	8.51	--	30.78	<50	<0.50	<0.50	<0.50	<0.50	0.76	3.6	6.8
	06/02/2004	--		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**
A-9	9/14/1992	--		38.71	10.00	35.00	16.12	--	22.59	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/12/1992	--		38.71	10.00	35.00	16.29	--	22.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/11/1993	--		38.71	10.00	35.00	12.31	--	26.40	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	4/14/1993	--		38.71	10.00	35.00	12.01	--	26.70	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/12/1993	--		38.71	10.00	35.00	13.90	--	24.81	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	10/26/1993	--		38.71	10.00	35.00	14.86	--	23.85	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	2/17/1994	--		38.19	10.00	35.00	12.99	--	25.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	8/17/1994	--		38.19	10.00	35.00	14.03	--	24.16	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	11/18/1994	--		37.24	10.00	35.00	13.44	--	23.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	---
	9/26/1995	--		37.24	10.00	35.00	12.43	--	25.81	<50	<0.5	ND	ND	ND	--	--	---
	12/6/1995	--		38.19	10.00	35.00	13.14	--	25.05	<50	<0.5	ND	ND	ND	--	--	---
	2/14/1996	--		38.19	10.00	35.00	9.05	--	29.14	<50	ND	1.8	0.49	0.82	--	--	---
	10/29/1996	--		38.19	10.00	35.00	12.85	--	25.34	<50	ND	ND	ND	ND	--	--	---
	1/29/1997	--		38.19	10.00	35.00	9.02	--	29.17	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	4/30/1997	--		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	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
	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	--		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**
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	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
A-10	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	--		38.66	10.00	35.00	DRY	--	DRY	---	---	---	---	---	--	---	---
	12/19/2002	P	c	38.66	10.00	35.00	12.75	--	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	---
	2/11/2003	P	e	38.66	10.00	35.00	12.21	--	--	<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	--	--	<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	--	--	<50	<0.50	<0.50	<0.50	<0.50	1.1	0.9	6.9
	11/17/2003	--		38.66	10.00	35.00	13.27	--	25.39	--	--	--	--	--	--	--	--
	03/01/2004	--		41.22	10.00	35.00	11.55	--	29.67	--	--	--	--	--	--	--	--
	06/02/2004	--		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**
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	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	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	--	--	<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	--	--	<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	--	--	<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	--	--	<50	<0.50	<0.50	<0.50	<0.50	1.6	1.6	7
	09/04/03	--	f	37.46	15.00	40.00	---	--	---	--	--	--	--	--	--	--	---
	11/17/2003	P		37.46	15.00	40.00	11.13	--	26.33	<50	<0.50	<0.50	<0.50	<0.50	1.4	1.8	6.7
	03/01/2004	P	i	39.82	15.00	40.00	9.00	--	30.82	<50	<0.50	<0.50	<0.50	<0.50	8.6	0.6	7.0
	06/02/2004	NP		39.82	15.00	40.00	10.40	--	29.42	<50	<0.50	<0.50	<0.50	<0.50	3.6	0.3	7.2
	09/16/2004	**NP**		**39.82**	**15.00**	**40.00**	**11.18**	**--**	**28.64**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**3.2**	**0.1**	**6.7**
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	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	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	--	---	<50.0	<0.500	<0.500	<0.500	<1.50	4.43	1	7.1
	12/9/2002	P		37.98	5.00	35.00	12.30	--	---	<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	--	---	<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	--	---	<50	<0.50	<0.50	<0.50	<0.50	6	0.9	6.4
	09/04/2003	--	f	37.98	5.00	35.00	---	--	---	--	--	--	--	--	--	--	---
	11/17/2003	P		38.89	5.00	35.00	12.08	--	26.81	<50	<0.50	<0.50	<0.50	<0.50	0.86	1.8	6.8
	03/01/2004	P	i	40.68	5.00	35.00	10.01	--	30.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	6.9
	06/02/2004	--		40.68	5.00	35.00	11.38	--	29.30	<50	<0.50	<0.50	<0.50	<0.50	4.3	0.3	6.7
	09/16/2004	**NP**		**40.68**	**5.00**	**35.00**	**12.12**	**--**	**28.56**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.5**	**0.1**	**6.9**
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	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	11/18/1994	--		37.33	5.00	30.00	12.31	--	25.02	6,350	112	8.4	107	35	--	--	---
	9/26/1995	--		37.26	5.00	30.00	11.26	--	26.00	ND	ND	ND	ND	ND	--	--	---
	12/6/1995	--		37.26	5.00	30.00	12.16	--	25.10	4,100	0.86	0.46	0.38	0.92	--	--	---
	2/14/1996	--		37.26	5.00	30.00	8.53	--	28.73	ND	ND	0.56	ND	0.82	--	--	---
	10/29/1996	--		37.26	5.00	30.00	10.23	--	27.03	130	ND	ND	ND	ND	--	--	---
	1/29/1997	--		37.26	5.00	30.00	8.15	--	29.11	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		37.26	5.00	30.00	8.05	--	29.21	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		37.26	5.00	30.00	10.50	--	26.76	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		37.26	5.00	30.00	11.15	--	26.11	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		37.26	5.00	30.00	4.95	--	32.31	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		37.26	5.00	30.00	8.10	--	29.16	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		37.26	5.00	30.00	8.02	--	29.24	<50	<0.3	<0.3	<0.3	<0.5	40	--	---
	10/22/1998	--		37.26	5.00	30.00	9.70	--	27.56	230	0.43	1.9	0.99	0.99	33	--	---
	1/13/1999	--		37.26	5.00	30.00	9.60	--	27.66	<50	0.43	<0.3	<0.3	<0.5	<20	--	---
	4/29/1999	--		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	--	---	998	<0.50	<0.50	<0.50	1.37	855/1310	2.2	7
	2/11/2003	P	e	37.26	5.00	30.00	9.70	--	---	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	--	---	<500	<5.0	<5.0	<5.0	<5.0	170	0.8	6.8
	09/04/2003	--	f	37.26	5.00	30.00	---	--	---	--	--	--	--	--	--	--	---
	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**
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	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-2	8/12/1993	--		38.58	5.00	30.00	13.81	--	24.77	16,000	1,600	27	1,300	1,200	--	--	---
	10/26/1993	--		38.58	5.00	30.00	14.53	--	24.05	12,000	1,200	<25	510	330	--	--	---
	2/17/1994	--		38.58	5.00	30.00	12.81	--	25.77	15,000	1,800	21	850	540	--	--	---
	5/3/1994	--		38.58	5.00	30.00	12.63	--	25.95	--	--	--	--	--	--	--	---
	8/17/1994	--		37.99	5.00	30.00	13.69	--	24.30	14,000	850	13	640	270	--	--	---
	11/18/1994	--		38.06	5.00	30.00	13.18	--	24.88	14,900	640	3.4	532	156	--	--	---
	9/26/1995	--		37.99	5.00	30.00	12.23	--	25.76	5,100	40	25	2.5	18	--	--	---
	12/6/1995	--		37.99	5.00	30.00	12.82	--	25.17	810	34	23	11	11	--	--	---
	2/14/1996	--		37.99	5.00	30.00	10.87	--	27.12	420	0.75	0.54	0.64	0.53	--	--	---
	10/29/1996	--		37.99	5.00	30.00	12.95	--	25.04	670	1.7	1.3	0.6	0.8	--	--	---
	1/29/1997	--		37.99	5.00	30.00	11.15	--	26.84	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		37.99	5.00	30.00	11.09	--	26.90	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		37.99	5.00	30.00	11.70	--	26.29	330	<0.3	0.58	0.53	<0.5	<20	--	---
	10/22/1997	--		37.99	5.00	30.00	11.05	--	26.94	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	1/28/1998	--		37.99	5.00	30.00	9.50	--	28.49	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/22/1998	--		37.99	5.00	30.00	11.15	--	26.84	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	7/8/1998	--		37.99	5.00	30.00	10.20	--	27.79	78	<0.3	<0.3	<0.3	<0.5	97	--	---
	10/22/1998	--		37.99	5.00	30.00	11.10	--	26.89	270	0.37	2	0.91	0.73	26	--	---
	1/13/1999	--		37.99	5.00	30.00	11.10	--	26.89	650	5.8	1	1.4	1.1	<20	--	---
	4/29/1999	--		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	--	---	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	--	---	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	--	---	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	--	---	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**
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	--	--	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	3/10/1992	--		37.77	5.00	30.00	12.90	--	24.87	11,000	2,500	75	400	560	--	--	---
	6/9/1992	--		37.77	5.00	30.00	13.60	--	24.17	16,000	2,000	69	1,300	2,600	--	--	---
	9/14/1992	--		37.77	5.00	30.00	14.78	--	22.99	14,000	630	<50	1,500	2,400	--	--	---
	11/12/1992	--		37.77	5.00	30.00	14.92	--	22.85	7,400	400	<25	860	330	--	--	---
	2/11/1993	--		37.77	5.00	30.00	11.65	--	26.12	8,600	580	<20	710	300	--	--	---
	4/14/1993	--		37.77	5.00	30.00	11.16	--	26.61	6,900	300	8.8	580	99	--	--	---
	8/12/1993	--		37.77	5.00	30.00	12.82	--	24.95	3,400	56	<5	190	<5	--	--	---
	10/26/1993	--		37.77	5.00	30.00	13.60	--	24.17	2,900	42	<10	76	<10	--	--	---
	2/17/1994	--		36.8	5.00	30.00	11.53	--	25.27	3,100	160	<10	36	8.6	--	--	---
	5/3/1994	--		36.8	5.00	30.00	11.36	--	25.44	2,300	44	<2.5	8	<2.5	--	--	---
	8/17/1994	--		36.87	5.00	30.00	12.38	--	24.49	1,900	7	<9.5	4.4	<5	--	--	---
	11/18/1994	--		36.87	5.00	30.00	11.93	--	24.94	909	1.1	<0.5	0.9	4	--	--	---
	9/26/1995	--		36.8	5.00	30.00	10.96	--	25.84	410	1.3	1.9	2.3	3.3	--	--	---
	12/6/1995	--		36.8	5.00	30.00	11.56	--	25.24	--	0.9	4.6	3	4.3	--	--	---
	2/14/1996	--		36.8	5.00	30.00	7.47	--	29.33	99	ND	0.49	0.46	ND	--	--	---
	10/29/1996	--		36.8	5.00	30.00	9.80	--	27.00	250	0.7	0.6	ND	ND	--	--	---
	1/29/1997	--		36.8	5.00	30.00	7.50	--	29.30	170	<0.3	<0.3	<0.3	<0.5	<20	--	---
	4/30/1997	--		36.8	5.00	30.00	12.10	--	24.70	<20	<0.3	<0.3	<0.3	<0.5	<50	--	---
	7/31/1997	--		36.8	5.00	30.00	9.90	--	26.90	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	10/22/1997	--		36.8	5.00	30.00	12.10	--	24.70	<50	<0.3	<0.3	<0.3	<0.5	<20	--	---
	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	--	---	<50.0	<0.500	<0.500	<0.500	<1.50	<0.500	1	6.9
	12/9/2002	P		36.8	5.00	30.00	10.38	--	---	<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	--	---	<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	--	---	<50	<0.50	<0.50	<0.50	<0.50	0.61	0.9	6.8
	9/4/2003	--		36.8	5.00	30.00	9.85	--	27.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1	6.9
	11/17/2003	--		36.63	5.00	30.00	9.93	--	26.70	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #5387

20200 Hesperian Blvd., Hayward, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	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	03/01/2004	--	i	38.72	5.00	30.00	7.95	--	30.77	--	--	--	--	--	--	--	--
	06/02/2004	--		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**

Table 1

Groundwater Elevation and Analytical Data

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

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.

NOTES:
1. Source =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

2. Data for DO and pH were obtained through field measurements.

3. 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.

4. Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Table 2

Fuel Additives Analytical Data

ARCO 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)	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	
	09/16/2004	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
A-5	2/11/2003	<100	<20	0.97	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	<100	<20	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/01/2004	<100	<20	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2004	**<100**	**<20**	**0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
A-6	2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2004	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
A-7	2/11/2003	<100	<20	21	<0.50	6.5	<0.50	--	--	
	6/27/2003	<100	<20	9.4	<0.50	<0.50	2.1	<0.50	<0.50	
	9/4/2003	<100	<20	3.4	<0.50	<0.50	0.86	<0.50	<0.50	
	11/17/2003	<100	<20	1.4	<0.50	<0.50	<0.50	--	--	
	03/01/2004	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
	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**	
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	
	09/16/2004	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
A-9	2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	03/01/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/16/2004	**<100**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	

Table 2

Fuel Additives Analytical Data

ARCO 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)	Comments
A-10	2/11/2003	<100	<20	1.9	<0.50	<0.50	<0.50	NA	NA	
	6/27/2003	<100	<20	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	a (ethanol)
	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 (ethanol)
	9/4/2003	--	--	--	--	--	--	--	--	
	11/17/2003	<100	<20	1.4	<0.50	<0.50	<0.50	--	--	
	03/01/2004	<100	<20	8.6	<0.50	<0.50	<0.50	<0.50	<0.50	
	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**	
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 (ethanol)
	9/4/2003	--	--	--	--	--	--	--	--	
	11/17/2003	<100	<20	0.86	<0.50	<0.50	<0.50	--	--	
	03/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	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**	
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	--	--	--	--	--	--	--	--	
	03/01/2004	<100	<20	14	<0.50	<0.50	<0.50	<0.50	<0.50	
	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**	
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	--	--	
	03/01/2004	<100	49	36	<0.50	<0.50	6.2	<0.50	<0.50	
	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**	
MW-3	2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	

Table 2

Fuel Additives Analytical Data

ARCO 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)	Comments
MW-3	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 Station #5387
20200 Hesperian Blvd., Hayward, CA

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

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

Table 3

Groundwater Gradient Data

ARCO 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**

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 # 040916-MD1 Date 9/16/04 Client Arco

Site 20200 Hesperian Blvd, Hayward

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2					11.02	28.45		
MW-2	2					12.01	27.61		
MW-3	2					9.95	27.58		
A-4	3					13.19	34.53		
A-5	3					12.40	29.43		
A-6	3					12.56	34.37		
A-7	3					13.89	34.95		
A-8	2					10.75	33.42		
A-9	2					12.23	33.32		
A-10	2	* obstruction removed				12.51	12.75		
AR-1	6					11.18	33.47		
AR-2	6					12.12	35.09		
		* placed MB pump down well & was able to push obstruction down/break through obstruction. (Possibly roots)							

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MD1	Station # 5387
Sampler: MD	Date: 9/16/04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 28.45	Depth to Water: 11.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0913	68.4	6.8	978	2.8	cloudy, tan
0916	68.2	6.7	976	5.6	"
0919	68.3	6.7	973	8.4	cloudy, tan

Did well dewater? Yes (No) Gallons actually evacuated: 8.4

Sampling Time: 0925 Sampling Date: 9/16/04

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

Analyzed for: GRO BTEX MTBE DRO Other: See Sept

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MJ1	Station # 5387
Sampler: MJ	Date: 9/16/04
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 27.61	Depth to Water: 12.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1007	69.5	6.8	1008	2.5	cloudy, tan
1010	69.8	6.8	1007	5	"
1013	69.7	6.8	1007	7.5	cloudy, tan

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 1020 Sampling Date: 9/16/04

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

Analyzed for: GRO BTEX MTBE DRO Other: Strscape

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MD	Station # 5387
Sampler: MD	Date: 9/16/04
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 27.58	Depth to Water: 9.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0933	71.6	6.8	993	2.8	cloudy
0936	69.6	6.8	989	5.6	"
0940	69.7	6.8	994	8.4	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 8.4

Sampling Time: ~~0947~~ 1115 Sampling Date: 9/16/04

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

Analyzed for: GRO BTEX MTBE DRO Other: Ser Scaff

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	8.4	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MM1	Station # 5387
Sampler: MM	Date: 9/16/04
Well I.D.: A-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 34.53	Depth to Water: 13.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1156	69.6	6.7	982	8	cloudy
1158	68.5	6.8	979	16	"
1200	68.0	6.7	978	24	cloudy

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

Sampling Time: 1210 Sampling Date: 9/16/04

Sample I.D.: A-4 Laboratory: Pace (Sequoia) Other ___

Analyzed for: GRO BTEX MTBE DRO Other: See Sample

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.7	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MD1	Station # 5387
Sampler: MD	Date: 9/16/04
Well I.D.: A-5	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 29.43	Depth to Water: 12.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Other: _____

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

6.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 18.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1227	70.8	6.9	944	6.5	cloudy
1228	69.9	6.8	948	13	"
1230	69.2	6.8	961	19	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 19

Sampling Time: 1235 Sampling Date: 9/16/04

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

Analyzed for: GRO BTEX MTBE DRO Other: See Sample

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MD1	Station # 5387
Sampler: MD	Date: 9/16/04
Well I.D.: A-6	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 34.37	Depth to Water: 12.56
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

Sampling Method:
- Bailer
- (Disposable Bailer)
- Extraction Port
- Other: _____

Top of Screen: _____

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

8.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 24.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
~~1240~~ 1241	67.3	6.9	814	8.5	Cloudy
1242	~~66.0~~	6.8	840	~~16.5~~	"
1244	66.0	6.8	848	24.5	cloudy

Did well dewater? Yes (No)

Gallons actually evacuated: 24.5

Sampling Time: 1250

Sampling Date: 9/16/04

Sample I.D.: ~~9~~ dup A-6

Laboratory: Pace (Sequoia) Other_____

Analyzed for: GRO BTEX MTBE DRO Other: 5-ox Scape

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	1.8	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MW	Station # 5387
Sampler: MW	Date: 9/16/04
Well I.D.: A-7	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 34.95	Depth to Water: 13.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

78 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 23.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1258	69.5	6.8	1073	8	cloudy
1300	69.4	6.7	1065	16	"
1302	69.2	6.7	1063	23.5	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 23.5

Sampling Time: 1315 Sampling Date: 9/16/04

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

Analyzed for: GRO BTEX MTBE DRO Other: See Scale

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.7	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MW1	Station # 5387
Sampler: MW	Date: 9/16/04
Well I.D.: A-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.42	Depth to Water: 10.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

3.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 10.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1129	69.7	6.8	985	3.6	Cloudy
1132	69.5	6.7	974	7.2	"
1137	69.5	6.7	985	10.8	Cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 10.8

Sampling Time: 1140 Sampling Date: 9/16/04

Sample I.D.: A-8 Laboratory: Pace (Sequoia) Other ___

Analyzed for: GRO BTEX MTBE DRO Other: See Scope

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.1	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MM1	Station # 5387
Sampler: MM	Date: 9/16/04
Well I.D.: A-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.32	Depth to Water: 12.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

3.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 10.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1025	69.5	6.9	817	3.4	cloudy
1028	68.9	6.8	819	6.8	"
1033	68.7	6.8	825	10.2	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 10.2

Sampling Time: 1035 Sampling Date: 9/16/04

Sample I.D.: A-9 Laboratory: Pace (Sequoia) Other ___

Analyzed for: GRO BTEX MTBE DRO Other: See Scope

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	4.2	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MD1	Station # 5387
Sampler: MD	Date: 9/16/04
Well I.D.: A-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: ~~12.75~~ 33.15	Depth to Water: 12.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: ___

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

3.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or ~~µS~~)	Gals. Removed	Observations
1053	68.9	6.9	1145	3.3	cloudy
1057	68.3	6.9	1081	~~3.3~~ 6.6	"
1101	68.2	6.8	1047	9.9	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 9.9

Sampling Time: 1105 Sampling Date: 9/16/04

Sample I.D.: A-10 Laboratory: Pace (Sequoia) Other ___

Analyzed for: GRO BTEX MTBE DRO Other: See Scope

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: ~~0408~~ 040916-MD1	Station # 5387
Sampler: MD	Date: 9/16/04
Well I.D.: AR-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 33.47	Depth to Water: 11.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0845	71.1	6.7	889	—	Clear

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

Sampling Time: 0845 Sampling Date: 9/16/04

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

Analyzed for: GRO BTEX MTBE DRO Other: See Sample

D.O. (if req'd):	Pre-purge:		mg/L	(Post-purge):	0.1 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040916-MD1	Station # 5387
Sampler: MD	Date: 9/16/04
Well I.D.: AR-2	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 35.09	Depth to Water: 12.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

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

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

Top of Screen: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0900	68.9	6.9	965	—	clear

Did well dewater? Yes ~~No~~		Gallons actually evacuated: —	
Sampling Time: 0900		Sampling Date: 9/16/04	
Sample I.D.: AR-2		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: GRO BTEX MTBE DRO		Other: Stc Scope	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: 0.1 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

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

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

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

5387

Station #

20200 Hesperian Blvd, Hayward

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

155

added equip. rinse water 5

any other adjustments

TOTAL GALS. RECOVERED 160

loaded onto BTS vehicle # 59

BTS event #	time	date
090916-MD1	1400	9/16/09

signature

* *

REC'D AT	time	date
BTS	1430	9/16/09

unloaded by

signature

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia
Analytical

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5 October, 2004

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

RE: ARCO #5387, Hayward, CA
Work Order: MNI0562

Enclosed are the results of analyses for samples received by the laboratory on 09/17/04 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 12:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MNI0562-01	Water	09/16/04 09:25	09/17/04 09:30
MW-2	MNI0562-02	Water	09/16/04 10:20	09/17/04 09:30
MW-3	MNI0562-03	Water	09/16/04 11:15	09/17/04 09:30
A-4	MNI0562-04	Water	09/16/04 12:10	09/17/04 09:30
A-5	MNI0562-05	Water	09/16/04 12:35	09/17/04 09:30
A-6	MNI0562-06	Water	09/16/04 12:50	09/17/04 09:30
A-7	MNI0562-07	Water	09/16/04 13:15	09/17/04 09:30
A-8	MNI0562-08	Water	09/16/04 11:40	09/17/04 09:30
A-9	MNI0562-09	Water	09/16/04 10:35	09/17/04 09:30
A-10	MNI0562-10	Water	09/16/04 11:05	09/17/04 09:30
AR-1	MNI0562-11	Water	09/16/04 08:45	09/17/04 09:30
AR-2	MNI0562-12	Water	09/16/04 09:00	09/17/04 09:30

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

These samples were received with no custody seals.

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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 (MNI0562-01) Water Sampled: 09/16/04 09:25 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	2.5	ug/l	5	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**170**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*78-129*		"	"	"	"	
MW-2 (MNI0562-02) Water Sampled: 09/16/04 10:20 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.0**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**400**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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-3 (MNI0562-03) Water Sampled: 09/16/04 11:15 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*80 %*	*78-129*		"	"	"	"	
A-4 (MNI0562-04) Water Sampled: 09/16/04 12:10 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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-5 (MNI0562-05) Water Sampled: 09/16/04 12:35 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.50**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*78-129*		"	"	"	"	
A-6 (MNI0562-06) Water Sampled: 09/16/04 12:50 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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 (MNI0562-07) Water Sampled: 09/16/04 13:15 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.0**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*78-129*		"	"	"	"	
A-8 (MNI0562-08) Water Sampled: 09/16/04 11:40 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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-9 (MNI0562-09) Water Sampled: 09/16/04 10:35 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*78-129*		"	"	"	"	
A-10 (MNI0562-10) Water Sampled: 09/16/04 11:05 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.84**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*78-129*		"	"	"	"	

Sequoia Analytical

885 Jarvis Drive
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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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-1 (MNI0562-11) Water Sampled: 09/16/04 08:45 Received: 09/17/04 09:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.2**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*78-129*		"	"	"	"	
AR-2 (MNI0562-12) Water Sampled: 09/16/04 09:00 Received: 09/17/04 09:30									
tert-Amyl methyl ether	**0.79**	0.50	ug/l	1	4I25006	09/25/04	09/26/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
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		*86 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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
Batch 4I25006 - EPA 5030B P/T										
Blank (4I25006-BLK1)				Prepared: 09/25/04 Analyzed: 09/26/04						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							IC
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.16*		"	*2.50*		*86*	*78-129*			
Laboratory Control Sample (4I25006-BS1)				Prepared: 09/25/04 Analyzed: 09/26/04						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0		101	82-140			
Benzene	10.2	0.50	"	10.0		102	69-124			
tert-Butyl alcohol	51.1	20	"	50.0		102	56-131			
Di-isopropyl ether	9.64	0.50	"	10.0		96	76-130			
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0		110	77-132			
1,2-Dichloroethane	10.2	0.50	"	10.0		102	77-136			
Ethanol	313	100	"	200		156	31-143			IC, HL
Ethyl tert-butyl ether	10.5	0.50	"	10.0		105	81-121			
Ethylbenzene	10.7	0.50	"	10.0		107	84-132			
Methyl tert-butyl ether	8.90	0.50	"	10.0		89	63-137			
Toluene	10.1	0.50	"	10.0		101	78-129			
Xylenes (total)	33.1	0.50	"	30.0		110	83-137			
Surrogate: 1,2-Dichloroethane-d4	*2.20*		"	*2.50*		*88*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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
Batch 4I25006 - EPA 5030B P/T										
Laboratory Control Sample (4I25006-BS2)				Prepared: 09/25/04 Analyzed: 09/26/04						
Benzene	5.97	0.50	ug/l	6.40		93	69-124			
Ethylbenzene	8.61	0.50	"	7.52		114	84-132			
Methyl tert-butyl ether	8.67	0.50	"	9.92		87	63-137			
Toluene	33.4	0.50	"	31.9		105	78-129			
Xylenes (total)	42.2	0.50	"	36.6		115	83-137			
Gasoline Range Organics (C4-C12)	421	50	"	440		96	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.09*		"	*2.50*		*84*	*78-129*			
Laboratory Control Sample Dup (4I25006-BSD1)				Prepared: 09/25/04 Analyzed: 09/26/04						
tert-Amyl methyl ether	10.3	0.50	ug/l	10.0		103	82-140	2	20	
Benzene	10.9	0.50	"	10.0		109	69-124	7	20	
tert-Butyl alcohol	47.1	20	"	50.0		94	56-131	8	20	
Di-isopropyl ether	10.1	0.50	"	10.0		101	76-130	5	20	
1,2-Dibromoethane (EDB)	11.1	0.50	"	10.0		111	77-132	0.9	20	
1,2-Dichloroethane	10.8	0.50	"	10.0		108	77-136	6	20	
Ethanol	348	100	"	200		174	31-143	11	20	IC, HL
Ethyl tert-butyl ether	11.0	0.50	"	10.0		110	81-121	5	20	
Ethylbenzene	11.5	0.50	"	10.0		115	84-132	7	20	
Methyl tert-butyl ether	9.03	0.50	"	10.0		90	63-137	1	20	
Toluene	10.8	0.50	"	10.0		108	78-129	7	20	
Xylenes (total)	35.3	0.50	"	30.0		118	83-137	6	20	
Surrogate: 1,2-Dichloroethane-d4	*2.15*		"	*2.50*		*86*	*78-129*			
Matrix Spike (4I25006-MS1)	**Source: MNI0562-01**			Prepared: 09/25/04 Analyzed: 09/26/04						
Benzene	28.7	2.5	ug/l	32.0	ND	90	69-124			
Ethylbenzene	41.6	2.5	"	37.6	ND	111	84-132			
Methyl tert-butyl ether	199	2.5	"	49.6	170	58	63-137			LN
Toluene	164	2.5	"	160	0.65	102	78-129			
Xylenes (total)	209	2.5	"	183	ND	114	83-137			
Gasoline Range Organics (C4-C12)	2140	250	"	2200	220	87	70-124			
Surrogate: 1,2-Dichloroethane-d4	*2.05*		"	*2.50*		*82*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 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
Batch 4I25006 - EPA 5030B P/T										
Matrix Spike Dup (4I25006-MSD1)	**Source: MNI0562-01**			Prepared: 09/25/04		Analyzed: 09/26/04				
Benzene	29.6	2.5	ug/l	32.0	ND	92	69-124	3	20	
Ethylbenzene	43.4	2.5	"	37.6	ND	115	84-132	4	20	
Methyl tert-butyl ether	198	2.5	"	49.6	170	56	63-137	0.5	20	LN
Toluene	166	2.5	"	160	0.65	103	78-129	1	20	
Xylenes (total)	216	2.5	"	183	ND	118	83-137	3	20	
Gasoline Range Organics (C4-C12)	2300	250	"	2200	220	95	70-124	7	20	
Surrogate: 1,2-Dichloroethane-d4	*2.09*		"	*2.50*		*84*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #5387, Hayward, CA	MNI0562
1333 Broadway, Suite 800	Project Number: INTRIM-50591	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/05/04 12:38

Notes and Definitions

LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
IC	Calib. verif. is within method limits but outside contract limits
HL	Analyte recovery above established limit
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

bp

Project Name 5387GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT

MUI 6562

Date: 9/16/04

On-site Time: 0730	Temp: 60
Off-site Time: 1400	Temp: 88
Sky Conditions: Clear	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: ARCO 5387	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 20200 Hesperian Blvd, HAYWARD, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 5387	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #:	Consultant/Contractor Project No.: 15-00005387.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50591

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives:	Preservatives:	Requested Analysis: GRO / BTEX / 8015/8021/8260	Requested Analysis: DRO w/SGC (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Requested Analysis:	Requested Analysis:	Requested Analysis:	Sample Point Lat/Long and Comments
1	MW-1	0925		X			01	3				X			X				X	X	X				
2	MW-2	1020					02	3				X			X				X	X	X				
3	MW-3	1115					03	6				X			X				X	X	X				
4	A-4	1210					04	3				X			X				X	X	X				
5	A-5	1235					05	3				X			X				X	X	X				
6	A-6	1250					06	3				X			X				X	X	X				
7	A-7	1315					07	3				X			X				X	X	X				
8	A-8	1140					08	3				X			X				X	X	X				
9	A-9	1035					09	3				X			X				X	X	X				
10	A-10	1105					10	3				X			X				X	X	X				

Sampler's Name: John DeJong	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Blaine Tech		9/17/04	7:49		9/17/04 7:49
Shipment Date:		9/17/04	9:25	TD	9/17/04 0930
Shipment Method:					
Shipment Tracking No:					

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

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

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 2/5/02

bp

Chain of Custody Record

Project Name 5387 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Requested Due Date (mm/dd/yy) 14 day TAT

MNI0562

Date: 9/16/04

On-site Time: 0730	Temp: 60
Off- site Time: 1900	Temp: 88
Sky Conditions: Clear	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: ARCO 5387	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GBM Facility Address: 20200 Hesperian Blvd, HAYWARD, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 5387	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail BDD: donna_cosper@URSCorp.com
	California Global ID #:	Consultant/Contractor Project No.: J5-00005387.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/926-299-8872	BP/GEM Work Release No: INTRIM -50591

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analysis: GRO / BTEX (8015/8021 or 8260)	DRO w/SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	Sample Point Lat/Long and Comments
1	AR-1	0895		X			11	3				X	X				X	X	X	
2	AR-2	0900		X			12	3				X	X				X	X	X	
3																				
4																				
5																				°C
6																				
7																				
8																				
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: John DeJong						
Sampler's Company: Blaine Tech		9/16/04	7:49		9/16/04	7:49
Shipment Date:		9/17/04	9:25	JD	9/17/04	0930
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

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

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 2/5/02

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ARCO 5387
REC. BY (PRINT): JD
WORKORDER: MDL0562

DATE REC'D AT LAB: 9/17/04
TIME REC'D AT LAB: 0930
DATE LOGGED IN: 9-18-04

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER (YES) / NO
(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / (Absent) Intact / Broken*				VOA					
2. Chain-of-Custody	(Present) / Absent*									
3. Traffic Reports or Packing List:	Present / (Absent)									
4. Airbill:	Airbill / Sticker Present / (Absent)									
5. Airbill #:										
6. Sample Labels:	(Present) / Absent									
7. Sample IDs:	(Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition:	(Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	(Yes) / No*				9/17/04					
10. Sample received within hold time?	(Yes) / No*									
11. Adequate sample volume received?	(Yes) / No*									
12. Proper Preservatives used?	(Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / (No)*									
14. Temp Rec. at Lab: 2.0 Is temp 4 +/-2°C?	(Yes) / No**									

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

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

ATTACHMENT C

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

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

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**Third Quarter 2004. Site #5387**
Submittal Date/Time:	**10/8/2004 12:57:59 PM**
Confirmation Number:	**8462803483**

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

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

SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	
GLOBAL ID:	T0600101368
FILE UPLOADED:	ARCO#5387-EDF-MNI0562.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

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

Click here to view the detections report for this upload.

ARCO
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 - **(UNK)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	12
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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Confirmation Number: 7269446313
Date/Time of Submittal: 10/8/2004 12:43:20 PM
Facility Global ID: T0600101368
Facility Name: ARCO
Submittal Title: Third Quarter 2004. Site #5387
Submittal Type: GW Monitoring Report

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

CONF #	TITLE	QUARTER
7269446313	Third Quarter 2004. Site #5387	Q3 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	10/8/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	12
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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Facility Name: ARCO
Submittal Title: Third Quarter 2004. Site #5387
Submittal Type: GW Monitoring Report

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ARCO
20200 HESPERIAN BLVD
HAYWARD, CA 94541

Regional Board - Case #: 01-1481
SAN FRANCISCO BAY RWQCB (REGION 2) - **(RDB)**
Local Agency (lead agency) - Case #: 817
ALAMEDA COUNTY LOP - **(UNK)**

CONF #	TITLE	QUARTER
7269446313	Third Quarter 2004. Site #5387	Q3 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	10/8/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	12
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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

QA/QC FOR 8021/8260 SERIES SAMPLES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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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 - **(UNK)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	12
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

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