

October 22, 2004

Ms. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd floor
Alameda, CA 94502

**Re: Correction to Third Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California
URS Project #38486706**

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company (a BP affiliated company), URS Corporation (URS) is submitting a corrected version of the *Third Quarter 2004 Groundwater Monitoring Report* for the ARCO Service Station #0601, located at 712 Lewelling Boulevard, San Leandro, California. Tables 1 and 2 of the previously submitted September 22, 2004 version incorrectly stated analyte concentrations in milligrams per liter (mg/L) instead of micrograms per liter ($\mu\text{g/L}$). The corrected version included here also includes the confirmations of the geotracker geowell and edf submittals.

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

Sincerely,

URS CORPORATION



Ken Shurtz
Staff Engineer



Scott Robinson
Project Manager

Enclosure: Third Quarter 2004 Groundwater Monitoring Report (corrected version)
cc: Mr. Paul Supple, Atlantic Richfield Company (RM), (copy uploaded to ENFOS)
Mr. Mike Bakaldin, City of San Leandro, Environmental Services Division, 835 East
14th Street, San Leandro, CA 94577



October 22, 2004

Ms. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd floor
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**Re: Third Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #0601
712 Lewelling Boulevard
San Leandro, California
URS Project #38486706**

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company (a BP affiliated company), URS Corporation (URS) is submitting the *Third Quarter 2004 Groundwater Monitoring Report* for the ARCO Service Station #0601, located at 712 Lewelling Boulevard, San Leandro, California.

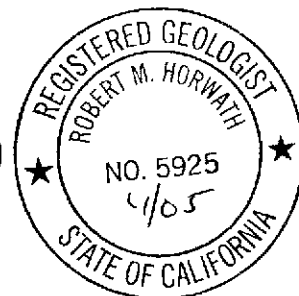
If you have any questions regarding this submission, please call (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

Robert M. Horwath, R.G.
Portfolio Manager



Enclosure: Third Quarter 2004 Groundwater Monitoring Report

**cc: Mr. Paul Supple, Atlantic Richfield Company (RM), (copy uploaded to ENFOS)
Mr. Mike Bakaldin, City of San Leandro, Environmental Services Division, 835 East
14th Street, San Leandro, CA 94577**

REPORT

THIRD QUARTER 2004 GROUNDWATER MONITORING

ARCO SERVICE STATION #0601
712 LEWELLING BOULEVARD
SAN LEANDRO, CALIFORNIA

Prepared for
RM

October 22, 2004

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486706

Date: October 22, 2004

Quarter: 3Q 04

RM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.: 0601 Address: 712 Lewelling Boulevard, San Leandro, CA
RM Environmental Business Manager: Paul Supple
Consulting Co./Contact Person: URS Corporation / Scott Robinson
Consultant Project No.: 38486706
Primary Agency: Alameda County Environmental Health

WORK PERFORMED THIS QUARTER (Third – 2004):

1. Performed third quarter 2004 groundwater monitoring event on July 1, 2004.
2. Prepared and submitted third quarter 2004 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2004):

1. Perform fourth quarter 2004 groundwater monitoring event.
2. Prepare and submit fourth quarter 2004 groundwater monitoring report.

Current Phase of Project: Groundwater monitoring/sampling
Frequency of Groundwater Sampling: Annual (3rd Quarter): MW-2, MW-9, MW-11, MW-12, MW-13 and MW-15
Semi-Annual (1st/3rd Quarter) MW-10 and MW-14
Quarterly: MW-1, MW-3 through MW-8
Frequency of Groundwater Monitoring: Quarterly
Is Free Product (FP) Present On-Site: Sheen MW-1 and MW-3
Cumulative FP Recovered to Date: No
Bulk Soil Removed to Date: 1,565 cubic yards of TPH impacted soil
Current Remediation Techniques: Natural Attenuation / ORC: MW-2, MW-3, MW-5, and MW-8
Approximate Depth to Groundwater: 7.18 (MW-15) to 10.03 (MW-14) feet
Groundwater Gradient (direction): West
Groundwater Gradient (magnitude): 0.005 feet per foot

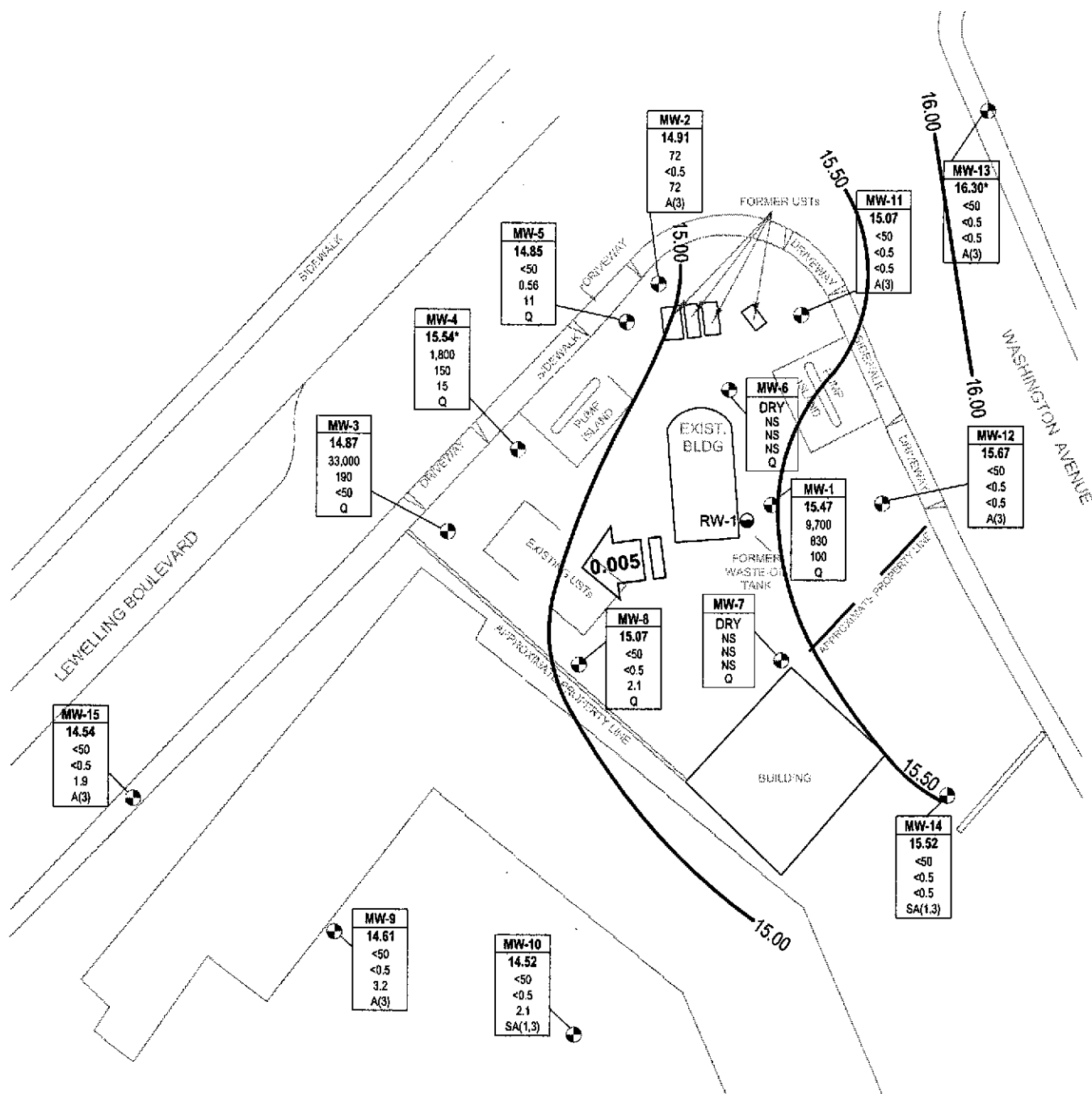
DISCUSSION:

Gasoline Range Organics (GRO) were detected above the laboratory reporting limit in four of the thirteen wells sampled at concentrations ranging from 72 micrograms per liter ($\mu\text{g/L}$) (MW-2) to 33,000 $\mu\text{g/L}$ (MW-3). Benzene was detected above the laboratory reporting limit in four wells at concentrations ranging from 0.56 $\mu\text{g/L}$ (MW-5) to 830 $\mu\text{g/L}$ (MW-1). Methyl-tert-Butyl Ether (MTBE) was detected above the laboratory reporting limit in eight

wells at concentrations ranging from 1.9 µg/L (MW-15) to 100 µg/L (MW-1). Tert-Amyl Methyl Ether (TAME) was detected above the laboratory reporting limit in two wells at concentrations of 2 µg/L (MW-5) and 15 µg/L (MW-2). Tert-butyl Alcohol (TBA) was detected above the laboratory reporting limit in one well at a concentration of 28 µg/L (MW-2). Well MW-1 was analyzed for semivolatile organic compounds (SVOCs) by EPA method 8270. The sample collected from MW-1 contained bis (2-ethylhexyl) phthalate, 2-Methylnaphthalene and Naphthalene detected at concentrations of 66 µg/L, 240 µg/L and 580 µg/L, respectively. Well MW-6 and MW-7 were dry this quarter.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – July 1, 2004
- Figure 2 – GRO Isoconcentration Map – July 1, 2004
- Figure 3 – Benzene Isoconcentration Map – July 1, 2004
- Figure 4 – MTBE Isoconcentration Map – July 1, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Table 4 – Volatile and Semivolatile Organic Compounds Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C –EDF/Geowell Submittal Confirmation



- LEGEND**
- GROUNDWATER MONITORING WELL
 - SOIL VAPOR EXTRACTION WELL
 - GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MSL)
 - APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
 - Well**
 - ELEV** - GROUNDWATER ELEVATION (FEET ABOVE MSL)
 - GRO** - GRO, BENZENE & MTBE CONCENTRATIONS (µg/L)
 - MTBE** - GRO, BENZENE & MTBE CONCENTRATIONS (µg/L)
 - A/Q/SA** - SAMPLING FREQUENCY
 - A(3)** - SAMPLED ANNUALLY DURING 3RD QUARTER
 - SA(1,3)** - SAMPLED SEMI-ANNUALLY, 1ST & 3RD QUARTERS
 - q** - SAMPLED QUARTERLY
 - ND<** - DATA NOT USED FOR CONTOURING
 - ND<** - NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS

NOTES: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES.
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
GROUNDWATER CONTOURS CALCULATED BY AUTODESK LAND DESKTOP.

URS

Project No. 38486706

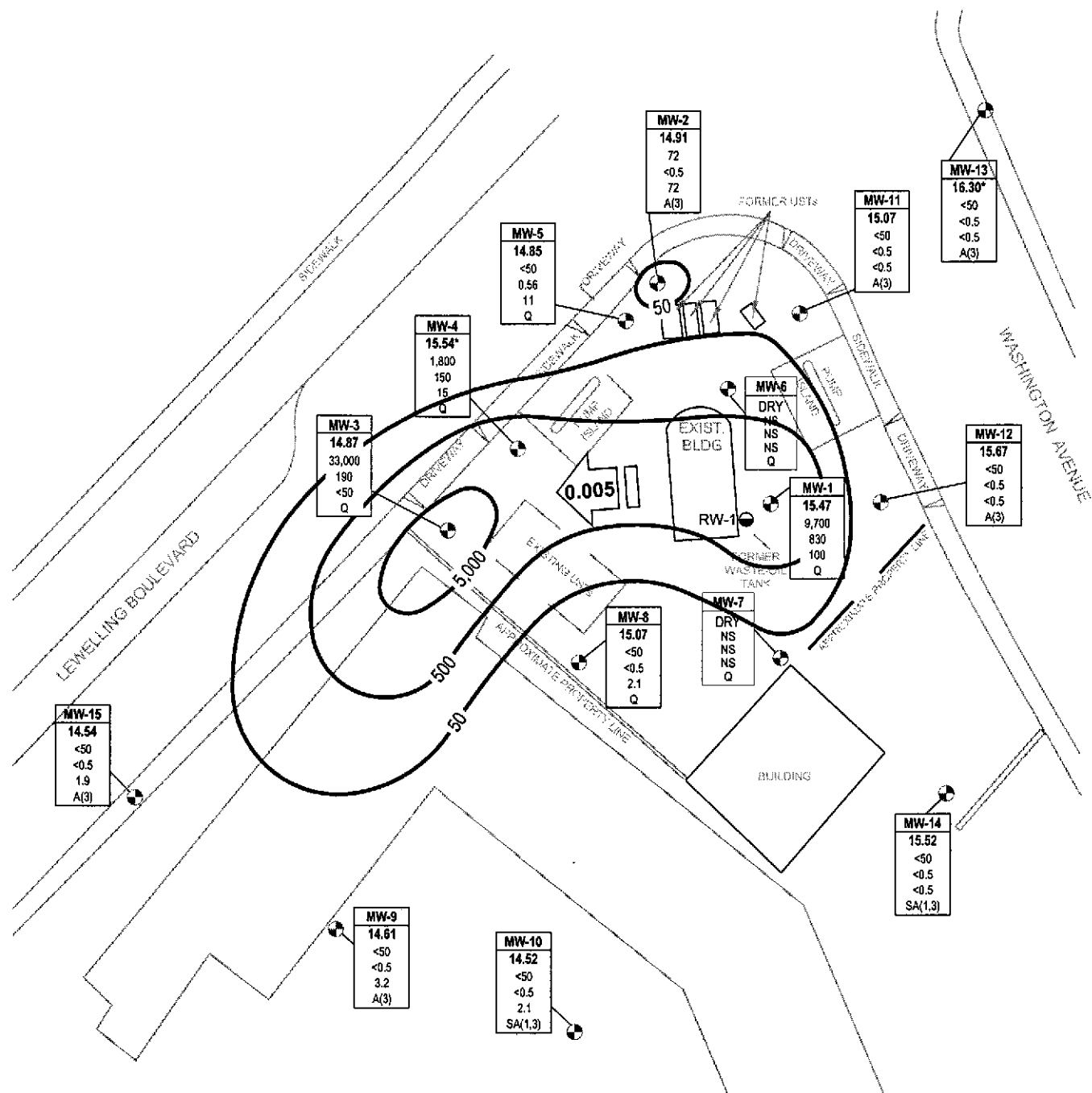
ARCO Service Station 0601
712 Lewelling Boulevard
San Leandro, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2004 (July 1, 2004)

FIGURE

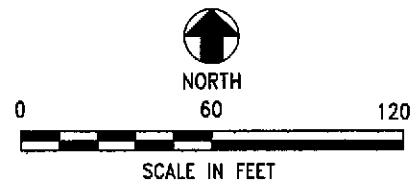
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LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 500 GRO ISOCONCENTRATION CONTOUR (µg/L)
- APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- WELL DESIGNATION
- GROUNDWATER ELEVATION (FEET ABOVE MSL)
- GRO, BENZENE & MTBE CONCENTRATIONS (µg/L)
- SAMPLING FREQUENCY
- SAMPLED ANNUALLY DURING 3RD QUARTER
- SAMPLED SEMI-ANNUALLY, 1ST & 3RD QUARTERS
- SAMPLED QUARTERLY
- * DATA NOT USED FOR CONTOURING
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS



NOTES: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES.
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS

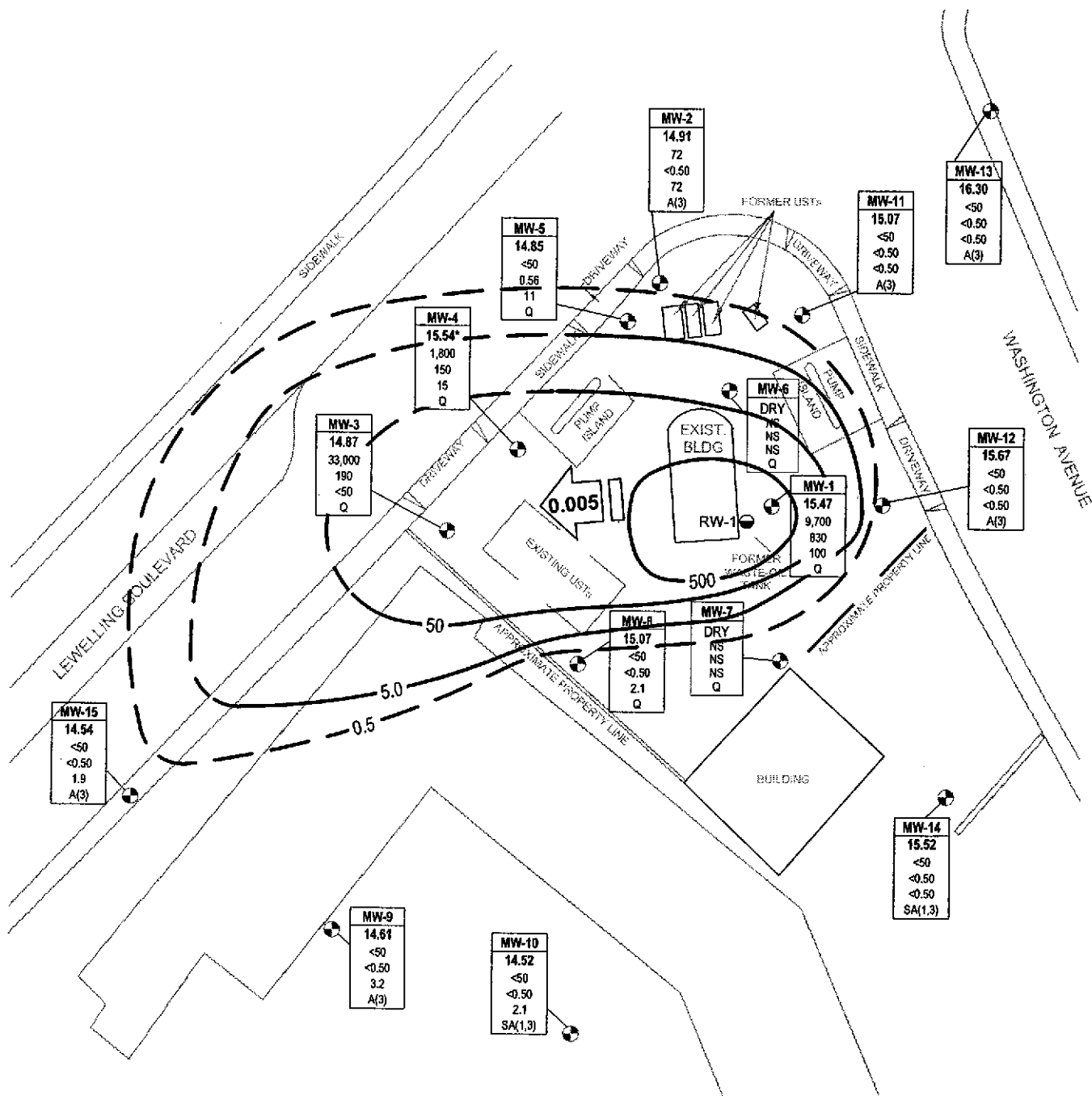
Project No. 38486706

ARCO Service Station 0601
 712 Levee Boulevard
 San Leandro, California

GRO ISOCONCENTRATION MAP
Third Quarter 2004 (July 1, 2004)

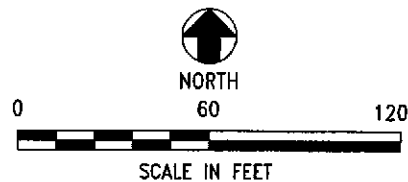
FIGURE

2



LEGEND

- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- 500 BENZENE ISOCONCENTRATION CONTOUR (μg/L)
- 0.005 APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- Well DESIGNATION
- ELEV GROUNDWATER ELEVATION (FEET ABOVE MSL)
- GRO BENZENE & MTBE CONCENTRATIONS (μg/L)
- MTBE
- AQ/SA SAMPLING FREQUENCY
- * DATA NOT USED FOR CONTOURING
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- A(3) SAMPLED ANNUALLY DURING 3RD QUARTER
- SA(1,3) SAMPLED SEMI-ANNUALLY, 1ST & 3RD QUARTERS
- Q SAMPLED QUARTERLY



NOTES: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES.
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS

Project No. 38486706

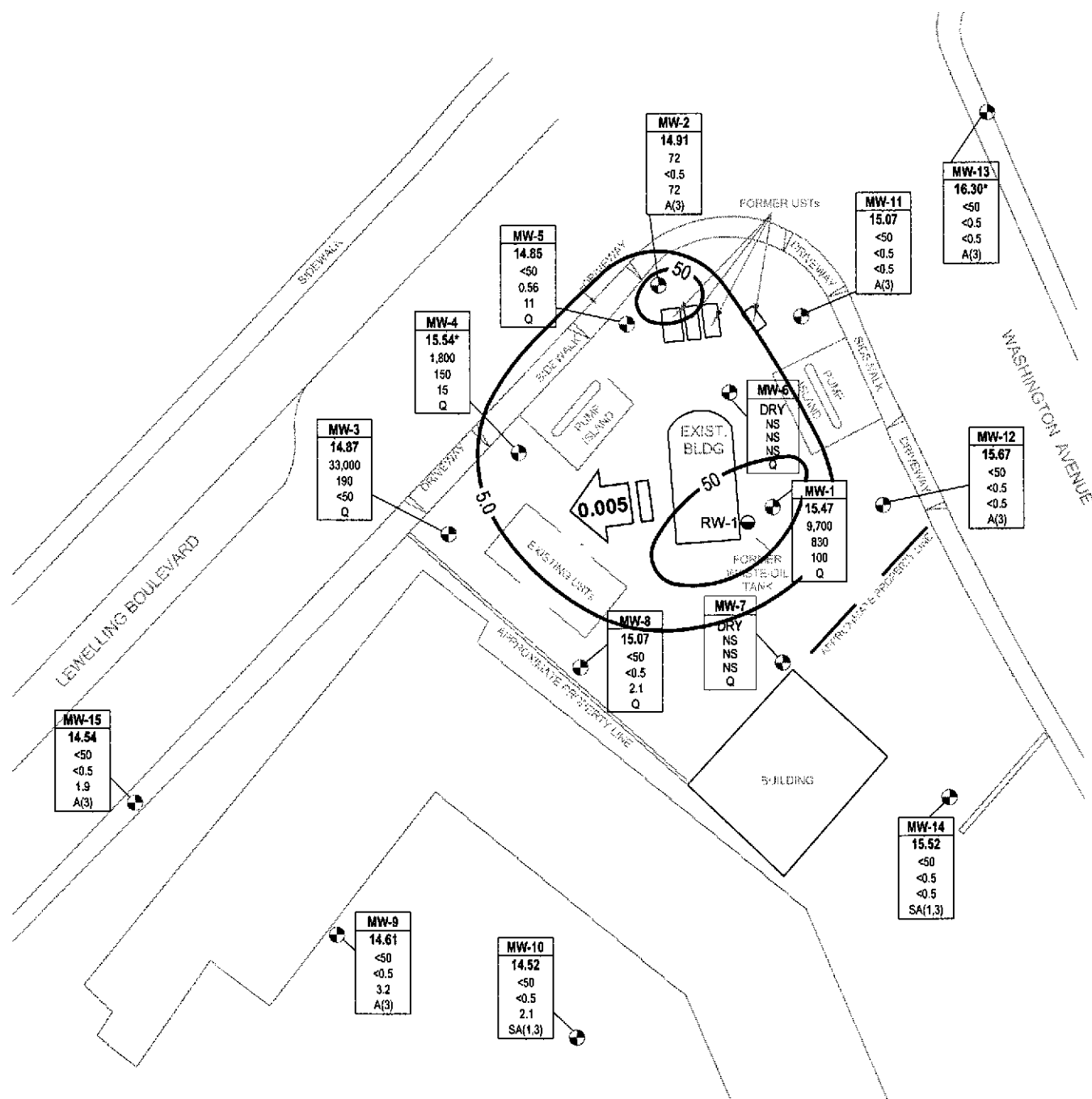
ARCO Service Station 0601
712 Lewelling Boulevard
San Leandro, California

BENZENE ISOCONCENTRATION MAP
Third Quarter 2004 (July 1, 2004)

FIGURE

3

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NOTES: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES.
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS

Project No. 38486706

ARCO Service Station 0601
 712 Levee Boulevard
 San Leandro, California

MTBE ISOCONCENTRATION MAP
 Third Quarter 2004 (July 1, 2004)

FIGURE

4

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-1	07/18/90		22.98	7.0	NA	10.8	9.03	13.95	Not sampled: well contained floating product sheen								
	10/15/90		22.98				9.85	13.13(i)	Not sampled: well contained 0.25 feet of floating product								
	01/09/91		22.98				9.47	13.51(i)	Not sampled: well contained 0.02 feet of floating product								
	04/16/91		22.98				6.12	16.86	Not sampled: well contained floating product sheen								
	06/10/91		22.26				9.00	13.26	Not sampled: well contained floating product sheen								
	10/10/91		22.26				9.73	12.53(i)	Not sampled: well contained 0.04 feet of floating product								
	03/23/92		22.26				7.40	14.86	Not sampled: well contained floating product sheen								
	06/08/92		22.26				9.08	13.18(i)	Not sampled: well contained 0.02 feet of floating product								
	09/15/92		22.26				9.18	14.08	Not sampled: well contained 0.02 feet of floating product								
	11/16/92		22.26				9.09	13.17(i)	Not sampled: well contained 0.02 feet of floating product								
	02/16/93		22.26				7.03	15.23(i)	Not sampled: well contained 0.01 feet of floating product								
	05/13/93		22.26				8.08	14.18(i)	Not sampled: well contained 0.01 feet of floating product								
	08/17/93		22.26				8.81	13.45(i)	Not sampled: well contained 0.01 feet of floating product								
	11/08/93		22.26				9.22	13.04(i)	Not sampled: well contained 0.01 feet of floating product								
	02/14/94		22.26				7.72	14.54	Not sampled: well contained floating product sheen								
	05/05/94		22.26				8.47	13.79	Not sampled: well contained floating product sheen								
	08/04/94		22.26				8.72	13.54	Not sampled: well contained floating product sheen								
	11/20/94		22.26				7.81	14.45	Not sampled: well contained floating product sheen								
	03/17/95		22.26				6.57	15.69	120,000	5,300	370	1,500	13,000	NA	NA	NA	NA
	06/01/95		22.26				7.87	14.39	250,000	7,100	950	3,500	21,000	NA	NA	NA	NA
	08/31/95		22.26				8.12	14.15(i)	Not sampled: well contained 0.01 feet of floating product								
	11/27/95		22.26				8.42	13.84	310,000	4,600	770	5,700	21,000	NA	NA	NA	NA
	02/22/96		22.26				6.01	16.25	100,000	6,200	320	2,500	12,000	<1,000(j)	NA	NA	NA
	05/20/96		22.26				7.03	15.23	340,000	6,600	240	4,500	22,000	<1,000	NA	NA	NA
	08/26/96		22.26				8.16	14.10	210,000	7,900	320	3,400	15,000	<1,000	NA	NA	NA
	11/20/96		22.26				7.84	14.42	62,000	5,900	77	2,000	7,700	<300	NA	NA	NA
	03/24/97		19.19				8.05	11.14	170,000	6,500	<200	2,400	9,900	<1,000	NA	NA	NA
	05/23/97		19.19				8.42	10.77	83,000	6,200	84	2,500	9,000	<300	NA	NA	NA
	08/19/97		19.19				8.65	10.54	83,000	4,500	<100	2,200	8,100	<600	NA	NA	NA
	11/19/97		19.19				8.54	10.65	250,000	4,400	<500	3,800	9,900	<3,000	NA	NA	NA
	02/19/98		19.19				5.57	13.62	74,000	2,500	120	2,200	4,100	<300	NA	NA	NA
	04/23/98		19.19				6.92	12.27	210,000	2,700	<500	4,200	8,300	<3,000	NA	1.5	NA
	07/27/98		19.19				8.14	11.05	73,000	2,100	88	2,600	4,600	<300	NA	1.0	NA
	10/14/98		19.19				8.58	10.61	47,000	2,900	<500	2,300	3,900	<300	NA	1.5	NA
	01/21/99		19.19				7.48	11.71	45,000	1,400	64	2,100	2,400	<300	NA	1.0	NA
	05/06/99		19.19				8.00	11.19	41,000	1,900	<20	2,800	3,400	<120	NA	0.85	NA
	08/23/99		19.19				8.56	10.63	26,000	1,700	52	1,600	1,500	<75	NA	0.72	NA
	10/28/99		19.19				8.92	10.27	38,000	2,500	35	2,400	2,500	<200	NA	0.70	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-1	02/04/00		19.19				8.48	10.71	19,000	960	13	1,200	860	<60	NA	2.11	NA
	06/20/00		19.19				8.20	10.99	23,000	2,400	50	1,800	680	<200	NA	NA	NA
	09/29/00		19.19				8.55	10.64	23,800	2,880	<50	2,130	871	<250	430(a);1,100(b)	NA	NA
	12/17/00		19.19				8.28	10.91	21,600	1,980	<50	1,610	664	<250	270(a);900(b)	NA	NA
	03/28/01		19.19				8.13	11.06	19,800	2,310	<100	2,010	517	<500	11(c)	NA	NA
	06/20/01		19.19				8.60	10.59	17,000	2,200	23	1,800	320	100	NA	NA	NA
	09/22/01		19.19				9.03	10.16	20,000	2,900	<200	2,500	270	<1000	360(a); 980(b)	NA	NA
	12/27/01		19.19				7.93	11.26	15,000	2,000	<50	1,700	140	290	370(a);1,200(b)	NA	NA
	03/15/02		19.19				7.89	11.30	12,000	1,800	<50	1,400	79	<250	220(a); 880(b)	NA	NA
	04/18/02		19.19				7.05	12.14	16,000	3,000	180	2,600	320	<250	250(a); 880(b)	1.26	NA
	07/23/02	NP	19.19				8.7	10.49	14,000(e)	3,200	<50	2,100	<50	<250	470(a);1,100(b)	0.9	6.8
	10/16/02	NP	19.19				9.12	10.07	14,000(d)	2,100	<25	2,000	31	<120	490(a);1,500(b)	0.8	7.1
	01/23/03(g)	NP	19.19				7.45	11.74	6,000	680	<50	800	<50	<50	250(a);800(b);75(f)	0.9	6.8
	04/07/03	NP	19.19				7.68	11.51	6,400	940	6.6	810	11	69	260(a);700(b)	1.1	6.9
	08/07/03	NP	19.19				8.75	10.44	12,000	1,500	27	1,700	42	160	360(a);1,100(b)	NA (k)	6.4
	10/23/03	NP	19.19				8.96	10.23	14,000	1,700	<25	1,600	<25	220	370(a);1,100(b)	0.7	6.8
	01/12/04 ^(u)	P	19.19				7.99	11.20	8,800	1,100	<25	980	<25	140	330(a);1,000(b);62(n)	0.2	7.2
	4/20/04 ^(u)	NP	24.78				8.87	15.91	12,000	1,600	<25	920	36	84	140(n);440(a);1,200(b)	1.5	6.6
	07/01/04	NP	24.78				9.31	15.47	9,700	830	<10	580	11	100	NA	0.8	6.7
MW-2	07/18/90		22.06	8.0	NA	12.1	7.86	14.20	35,000	3,800	2,900	690	3,600	NA	NA	NA	NA
	10/15/90		22.06				8.61	13.45	6,400	650	290	110	560	NA	NA	NA	NA
	01/09/91		22.06				8.43	13.63	13,000	1,500	970	390	1,500	NA	NA	NA	NA
	04/16/91		22.06				6.97	15.09	54,000	5,200	9,000	1,500	7,700	NA	NA	NA	NA
	06/10/91		21.33				7.91	13.42	26,000	3,000	2,500	880	4,200	NA	NA	NA	NA
	10/10/91		21.33				8.82	12.51	10,000	1,600	910	280	1,400	NA	NA	NA	NA
	03/23/92		21.33				6.86	14.47	33,000	4,100	5,000	1,100	5,300	NA	NA	NA	NA
	06/08/92		21.33				7.95	13.38	18,000	1,200	980	330	1,800	NA	NA	NA	NA
	09/15/92		21.33				8.71	12.62	13,000	430	500	340	1,800	NA	NA	NA	NA
	11/16/92		21.33				7.93	13.40	13,000	900	940	300	1,400	NA	NA	NA	NA
	02/16/93		21.33				6.02	15.31	20,000	1,800	1,200	530	2,700	NA	NA	NA	NA
	05/13/93		21.33				6.99	14.34	13,000	1,000	470	370	1,900	NA	NA	NA	NA
	08/17/93		21.33				7.85	13.48	9,100	770	160	310	1,500	NA	NA	NA	NA
	11/08/93		21.33				8.12	13.21	9,200	380	62	130	630	NA	NA	NA	NA
	02/14/94		21.33				6.88	14.45	8,700	670	370	50	1,400	NA	NA	NA	NA
	05/05/94		21.33				7.51	13.82	5,600	390	140	120	480	NA	NA	NA	NA
	08/04/94		21.33				8.00	13.33	2,300	180	<2.5*	<2.5*	230	NA	NA	NA	NA
	11/20/94		21.33				6.86	14.47	4,900	170	150	120	390	NA	NA	NA	NA
	03/17/95		21.33				6.12	15.21	10,000	460	77	260	550	NA	NA	NA	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-2	06/01/95		21.33				6.56	14.77	13,000	400	78	210	410	NA	NA	NA	NA
	08/31/95		21.33				7.18	14.15	5,000	280	18	120	140	<50	NA	NA	NA
	11/27/95		21.33				7.39	13.94	3,200	230	12	77	90	NA	NA	NA	NA
	02/22/96		21.33				5.78	15.55	11,000	290	67	190	330	<50	NA	NA	NA
	05/20/96		21.33				6.27	15.06	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		21.33				7.30	14.03	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/20/96		21.33				7.28	14.05	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		21.12				7.11	14.01	4,800	570	6	71	32	67	NA	NA	NA
	05/23/97		21.12				7.44	13.68	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97		21.12				7.64	13.48	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/19/97		21.12				7.70	13.42	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/19/98		21.12				5.22	15.90	2,000	160	50	86	230	25	NA	NA	NA
	04/23/98		21.12				6.24	14.88	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/27/98		21.12				7.02	14.10	NS	NS	NS	NS	NS	NS	NS	NA	NA
	10/14/98		21.12				7.54	13.58	NS	NS	NS	NS	NS	NS	NS	NA	NA
	01/21/99		21.12				7.15	13.97	1,700	84	4	31	10	13	NA	0.5	NA
	05/06/99		21.12				6.95	14.17	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/23/99		21.12				7.49	13.63	NS	NS	NS	NS	NS	NS	NS	0.68	NA
	10/28/99		21.12				7.92	13.20	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/04/00		21.12				6.61	14.51	NS	NS	NS	NS	NS	NS	NS	NA	NA
	06/20/00		21.12				7.12	14.00	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/29/00		21.12				7.60	13.52	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/17/00		21.12				7.42	13.70	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/28/01		21.12				6.84	14.28	838	18.1	<5.0	7.63	5.98	39.5	NA	NA	NA
	06/20/01		21.12				7.66	13.46	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/22/01		21.12				8.08	13.04	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/27/01		21.12				6.48	14.64	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/15/02		21.12				6.84	14.28	100	<0.5	<0.5	2.5	<0.5	75	NA	NA	NA
	04/18/02		21.12				6.19	14.93	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/23/02		21.12				7.73	13.39	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/16/02		21.12				8.10	13.02	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/23/03 ^(a)	P	21.12				6.52	14.60	<5,000	<50	<50	<50	<50	95	NA	1.6	7.2
	04/07/03		21.12				7.22	13.90	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/03		21.12				7.84	13.28	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/23/03 ^(m)	P	21.12				7.95	13.17	<250	<2.5	<2.5	<2.5	4.2	68	NA	4.6	7.6
	01/12/04 ^(m,r)		21.12				6.60	14.52	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/04 ^(u)		23.87				8.32	15.55	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/01/04	P	23.87				8.96	14.91	72	<0.50	<0.50	<0.50	<0.50	72	NA	2.1	6.9

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)		
MW-3	07/18/90		20.84	8.0	NA	11.9	7.03	13.81	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	10/15/90		20.84				8.19	12.65(i)	Not sampled: well contained 0.75 feet of floating product										
	01/09/91		20.84				7.46	13.38(i)	Not sampled: well contained 0.30 feet of floating product										
	04/16/91		20.84				7.95	12.89	Not sampled: well contained floating product sheen										
	06/10/91		20.11				7.14	12.97	Not sampled: well contained floating product sheen										
	10/10/91		20.11				7.82	12.29(i)	Not sampled: well contained 0.26 feet of floating product										
	03/23/92		20.11				5.75	14.36	Not sampled: well contained floating product sheen										
	06/08/92		20.11				7.52	12.59(i)	Not sampled: well contained 0.02 feet of floating product										
	09/15/92		20.11				8.01	12.10(i)	Not sampled: well contained 0.02 feet of floating product										
	11/16/92		20.11				7.11	13.00	Not sampled: well contained floating product sheen										
	02/16/93		20.11				5.93	14.18(i)	Not sampled: well contained 0.01 feet of floating product										
	05/13/93		20.11				6.37	13.74(i)	Not sampled: well contained 0.01 feet of floating product										
	08/17/93		20.11				7.00	13.11(i)	Not sampled: well contained 0.01 feet of floating product										
	11/08/93		20.11				7.31	12.80	430,000	4,100	14,000	6,400	37,000	NA	NA	NA	NA		
	02/14/94		20.11				5.81	14.30	85,000	4,200	12,000	2,500	16,000	NA	NA	NA	NA		
	05/05/94		20.11				6.81	13.30	560,000	4,600	14,000	5,300	40,000	NA	NA	NA	NA		
	08/04/94		20.11				7.31	12.80	64,000	4,200	7,600	1,700	12,000	NA	NA	NA	NA		
	11/20/94		20.11				5.88	14.23	80,000	4,700	9,700	2,400	15,000	NA	NA	NA	NA		
	03/17/95		20.11				5.46	14.65	370,000	4,800	12,000	5,800	34,000	NA	NA	NA	NA		
	06/01/95		20.11				6.34	13.77	270,000	6,000	11,000	5,200	28,000	NA	NA	NA	NA		
	08/31/95		20.11				6.60	13.52(i)	Not sampled: well contained 0.02 feet of floating product										
	11/27/95		20.11				6.76	13.35	150,000	5,100	8,800	3,900	21,000	NA	NA	NA	NA		
	02/22/96		20.11				5.14	14.97	150,000	4,400	7,600	4,100	22,000	<3,000	NA	NA	NA		
	05/20/96		20.11				5.17	14.94	410,000	4,700	8,000	6,300	36,000	<3,000	NA	NA	NA		
	08/26/96		20.11				7.04	13.07	280,000	4,000	6,100	4,200	24,000	<2,000	NA	NA	NA		
	11/20/96		20.11				6.26	13.85	190,000	3,200	5,800	3,300	20,000	<1,000	NA	NA	NA		
	03/24/97		22.99				6.94	16.05	430,000	2,700	7,600	7,000	39,000	<5,000	NA	NA	NA		
	05/23/97		22.99				6.98	16.01	130,000	2,100	4,300	3,500	19,000	<700	NA	NA	NA		
	08/19/97		22.99				7.25	15.74	100,000	2,000	3,200	<100	19,000	<600	NA	NA	NA		
	11/19/97		22.99				7.25	15.74	93,000	1,700	2,400	2,800	16,000	<600	NA	NA	NA		
	02/19/98		22.99				5.24	17.75	80,000	620	1,200	2,500	13,000	<600	NA	NA	NA		
	04/23/98		22.99				6.60	16.39	130,000	1,500	2,400	3,500	18,000	<600	NA	3.5	NA		
	07/27/98		22.99				7.00	15.99	140,000	920	1,500	2,400	13,000	<600	NA	1.0	NA		
	10/14/98		22.99				7.04	15.95	300,000	1,200	2,400	5,700	32,000	970	NA	1.0	NA		
	01/21/99		22.99				6.50	16.49	120,000	860	1,500	2,600	14,000	<600	NA	0.5	NA		
	05/06/99		22.99				6.90	16.09	49,000	670	1,400	2,500	11,000	170	NA	1.03	NA		
	08/23/99		22.99				6.53	16.46	51,000	440	930	2,200	9,200	<150	NA	0.67	NA		
	10/28/99		22.99				7.50	15.49	1,400,000	830	4,100	15,000	78,000	<5,000	NA	0.77	NA		

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-3	02/04/00		22.99				6.21	16.78	<50	<0.5	<0.5	<0.5	<1	650	NA	1.61	NA
	06/20/00		22.99				6.22	16.77	45,000	670	990	2,400	12000	<500	NA	NA	NA
	09/29/00		22.99				7.20	15.79	51,000	860	1,120	2,720	12900	<250	NA	NA	NA
	12/17/00		22.99				NM	NM	NS	NS	NS	NS	NS	NS	NA	NA	NA
	03/28/01		22.99				6.10	16.89	43,500	804	<200	250	11,000	<1,000	NA	NA	NA
	06/20/01		22.99				6.14	16.85	62,000	1,000	850	2,800	13,000	<2,500	NA	NA	NA
	09/22/01		22.99				7.24	15.75	53,000	1,200	1,200	3,100	13,000	<1,000	NA	NA	NA
	12/27/01		22.99				7.00	15.99	44,000	860	840	2,300	10,000	<250	NA	NA	NA
	03/15/02		22.99				7.02	15.97	43,000	1,000	810	2,300	11,000	<250	NA	NA	NA
	04/18/02		22.99				NM	NM	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/23/02	P	22.99				7.22	15.77	45,000(d)	750	570	2,100	10,000	<250	NA	1.0	8.0
	10/16/02	P	22.99				7.54	15.45	42,000(d)	780	620	2,500	11,000	<250	NA	1.4	7.7
	01/23/03 ^(a)	P	22.99				6.85	16.14	68,000	580	500	3,300	16,000	<100	NA	1.3	7.0
	04/07/03	P	22.99				7.05	15.94	48,000	620	450	2,200	11,000	<50	NA	1.4	6.9
	08/07/03 ^(m)	P	22.99				6.89	16.10	35,000	360	250	1,700	8,100	<100	NA	2.4	8.9
	10/23/03 ^(m)	P	22.99				7.05	15.94	36,000	340	250	1,700	8,300	<25	NA	1	7.2
	01/12/04 ^(m,r)	NP	22.99				5.93	17.06	1,100	<5.0	<5.0	<5.0	34	<5.0	NA	3.2	9.5
	4/20/04 ^(u)	P	22.63				7.60	15.03	30,000	210	170	1,700	7,300	<50	NA	1.6	7.8
	07/01/04	P	22.63				7.76	14.87	33,000	190	190	1,300	6,300	<50	NA	2.3	7.4
MW-4	06/10/91		20.75	8.3	NA	NA	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	10/10/91		20.75				DRY	DRY	15,000	5,300	1,500	470	1,300	NA	NA	NA	NA
	03/23/92		20.75				DRY	DRY	24,000	5,600	4,000	580	3,100	NA	NA	NA	NA
	06/08/92		20.75				DRY	DRY	5,700	2,000	170	92	270	NA	NA	NA	NA
	09/15/92		20.75				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/16/92		20.75				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/16/93		20.75				7.10	13.65	12,000	920	1,100	130	750	NA	NA	NA	NA
	05/13/93		20.75				7.02	13.73	19,000	2,900	2,800	360	1,900	NA	NA	NA	NA
	08/17/93		20.75				7.85	12.90	8,100	1,600	1,300	170	730	NA	NA	NA	NA
	11/08/93		20.75				DRY	DRY	2,000	540	110	10	240	NA	NA	NA	NA
	02/14/94		20.75				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	05/05/94		20.75				7.73	13.02	1,900	510	78	31	150	NA	NA	NA	NA
	08/04/94		20.75				7.83	12.92	1,300	360	17	<5*	190	NA	NA	NA	NA
	11/20/94		20.75				7.73	13.02	<50	2.9	0.5	<0.5	1.4	NA	NA	NA	NA
	03/17/95		20.75				6.65	14.10	16,000	1,800	970	310	2,500	NA	NA	NA	NA
	06/01/95		20.75				7.25	13.50	16,000	2,800	870	380	2,700	NA	NA	NA	NA
	08/31/95		20.75				7.75	13.00	9,000	2,000	270	270	1,400	<100	NA	NA	NA
	11/27/95		20.75				7.87	12.88	3,800	890	130	130	550	NA	NA	NA	NA
	02/22/96		20.75				7.29	13.46	940	150	82	19	130	<20	NA	NA	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-4	05/20/96		20.75				7.30	13.45	6,700	1,100	330	120	1,100	<100	NA	NA	NA
	08/26/96		20.75				7.57	13.18	14,000	2,400	510	350	2,100	<100	NA	NA	NA
	11/20/96		20.75				7.89	12.86	420	55	17	11	62	<3	NA	NA	NA
	03/24/97		22.38				6.90	15.48	6,800	620	150	81	1,300	<50	NA	NA	NA
	05/23/97		22.38				7.80	14.58	9,000	1,300	240	200	1,600	<60	NA	NA	NA
	08/19/97		22.38				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/19/97		22.38				DRY	DRY	3700 ⁱ	600	93	120	710	<60	NA	NA	NA
	02/19/98		22.38				6.78	15.60	1,800	93	51	29	420	110	NA	NA	NA
	04/23/98		22.38				6.47	15.91	6,500	700	110	180	1,300	93	NA	0.5	NA
	07/27/98		22.38				7.22	15.16	10,000	1,400	140	290	1,900	<120	NA	1.5	NA
	10/14/98		22.38				7.60	14.78	6,500	900	63	200	1,200	63	NA	1.0	NA
	01/21/99		22.38				7.43	14.95	1,700	140	22	56	320	13	NA	0.5	NA
	05/06/99		22.38				6.55	15.83	3,300	250	36	73	890	41	NA	1.28	NA
	08/23/99		22.38				7.16	15.22	7,400	500	73	230	1,700	57	NA	0.89	NA
	10/28/99		22.38				8.28	14.10	370	41	5.7	14	52	16	NA	0.92	NA
	02/04/00		22.38				8.23	14.15	310	33	7.5	11	65	8	NA	2.43	NA
	06/20/00		22.38				6.46	15.92	2,700	210	20	94	520	46	NA	NA	NA
	09/29/00		22.38				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/17/00		22.38				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/28/01		22.38				7.49	14.89	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/20/01		22.38				7.21	15.17	13,000	690	170	330	1,400	110	NA	NA	NA
	09/22/01		22.38				7.43	14.95	6,700	650	110	410	1,800	100	NA	NA	NA
	12/27/01		22.38				7.32	15.06	1,200	47	15	46	250	15	NA	NA	NA
	03/15/02		22.38				7.43	14.95	490	34	7.4	26	110	12	NA	NA	NA
	04/18/02		22.38				7	15.38	<50	0.57	0.83	<0.5	1.1	3.7	NA	NA	NA
	07/23/02	NP	22.38				7.70	14.68	820(d)	80	12	23	190	41	NA	2.2	7.3
	10/16/02	NP	22.38				7.75	14.63	2,000(d)	220	25	140	570	<25	NA	1.8	7.6
	01/23/03 ^(g)	NP	22.38				7.11	15.27	<250	<2.5	<2.5	<2.5	8.8	5.9	NA	1.7	7.0
	04/07/03	NP	22.38				7.19	15.19	310	24	2.4	15	62	9.2	NA	1.1	7.1
	08/07/03 ^(m)	NP	22.38				7.45	14.93	3,000	280	<25	150	700	<25	NA	1.2	6.8
	10/23/03	NP	22.38				7.59	14.79	1,700	150	7.6	83	320	12	NA	0.9	6.9
	01/12/04 ^(f)	NP	22.38				7.40	14.98	260	4.4	<2.5	<2.5	27	4.3	NA	2.4	7.3
	4/20/04 ^(c)	NP	23.32				7.38	15.94	1,500	160	<5.0	50	320	12	NA	1.4	7.1
	07/01/04	NP	23.32				7.78	15.54	1,800	150	5.2	16	260	15	NA	1.9	7.0
MW-5	06/10/91		20.90	8.00	NA	NA	7.58	13.32	100,000	25,000	20,000	2,600	12,000	NA	NA	NA	NA
	10/10/91		20.90				8.51	12.39	Not sampled: well contained floating product sheen								
	03/23/92		20.90				6.06	14.84	150,000	24,000	31,000	4,400	23,000	NA	NA	NA	NA
	06/08/92		20.90				7.66	13.24	120,000	17,000	13,000	2,400	11,000	NA	NA	NA	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-5	09/15/92		20.90				8.40	12.50	Not sampled: floating product entered well during purging								
	11/16/92		20.90				7.70	13.20	110,000	16,000	16,000	3,200	18,000	NA	NA	NA	NA
	02/16/93		20.90				5.84	15.26	150,000	12,000	15,000	3,000	17,000	NA	NA	NA	NA
	05/13/93		20.90				6.68	14.22	Not sampled: floating product entered well during purging								
	08/17/93		20.90				7.49	13.41	87,000	15,000	8,500	1,900	11,000	NA	NA	NA	NA
	11/08/93		20.90				7.93	12.97	87,000	12,000	8,300	2,000	12,000	NA	NA	NA	NA
	02/14/94		20.90				6.49	14.41	46,000	7,300	5,300	940	5,200	NA	NA	NA	NA
	05/05/94		20.90				7.18	13.72	54,000	9,700	4,700	1,000	6,400	NA	NA	NA	NA
	08/04/94		20.90				7.83	13.07	57,000	14,000	3,200	1,200	7,200	NA	NA	NA	NA
	11/20/94		20.90				6.34	14.56	33,000	5,700	1,800	720	4,700	NA	NA	NA	NA
	03/17/95		20.90				5.51	15.39	48,000	6,400	2,000	740	5,100	NA	NA	NA	NA
	06/01/95		20.90				6.55	14.35	76,000	11,000	5,400	1,400	7,700	NA	NA	NA	NA
	08/31/95		20.90				6.80	14.10	53,000	12,000	1,600	1,000	6,000	<500	NA	NA	NA
	11/27/95		20.90				7.13	13.77	43,000	7,900	3,300	950	4,900	NA	NA	NA	NA
	02/22/96		20.90				5.12	15.78	52,000	9,100	3,300	940	5,000	<500	NA	NA	NA
	05/20/96		20.90				5.87	15.03	55,000	9,300	3,800	1,100	5,400	<500	NA	NA	NA
	08/26/96		20.90				7.15	13.75	47,000	5,300	2,100	780	3,200	<300	NA	NA	NA
	11/20/96		20.90				6.88	14.02	53,000	8,700	5,700	920	4,400	<500	NA	NA	NA
	03/24/97		22.45				7.13	15.32	39,000	8,200	3,200	720	3,100	<500	NA	NA	NA
	05/23/97		22.45				7.42	15.03	29,000	6,600	1,700	400	1,500	<600	NA	NA	NA
	08/19/97		22.45				7.58	14.87	16,000	4,600	790	<50	1,300	<300	NA	NA	NA
	11/19/97		22.45				7.58	14.87	22,000	5,800	1,300	380	1,300	<300	NA	NA	NA
	02/19/98		22.45				4.65	17.80	40,000	5,100	3,800	620	2,900	<300	NA	NA	NA
	04/23/98		22.45				6.25	16.20	45,000	8,000	4,000	970	4,200	<600	NA	1.5	NA
	07/27/98		22.45				6.71	15.74	30,000	8,000	2,000	590	1,900	<600	NA	1.5	NA
	10/14/98		22.45				7.19	15.26	33,000	7,400	1,900	550	1,700	<300	NA	1.5	NA
	01/21/99		22.45				7.03	15.42	34,000	6,200	2,600	630	2,300	<600	NA	2.5	NA
	05/06/99		22.45				7.02	15.43	7,900	2,400	200	240	580	12	NA	1.07	NA
	08/23/99		22.45				7.04	15.41	25,000	5,800	2,300	570	2,000	67	NA	1.04	NA
	10/28/99		22.45				7.90	14.55	20,000	5,900	1,100	450	1,100	<250	NA	0.87	NA
	02/04/00		22.45				6.71	15.74	32,000	2,500	3,800	770	4,200	<75	NA	2.33	NA
	06/20/00		22.45				6.78	15.67	10,000	3,000	650	260	700	<200	NA	NA	NA
	09/29/00		22.45				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/17/00		22.45				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/28/01		22.45				6.48	15.97	23,400	4,160	3,450	728	3,090	<250	NA	NA	NA
	06/20/01		22.45				7.26	15.19	120,000	1,200	49	190	540	<100	NA	NA	NA
	09/22/01		22.45				DRY	DRY	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/27/01		22.45				6.56	15.89	16,000	1,500	2,700	730	3,200	<250	NA	NA	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-5	03/15/02		22.45				6.9	15.55	20,000	2,600	3,300	1,000	4,000	<250	NA	NA	NA
	04/18/02		22.45				6.17	16.28	17,000	3,200	2,900	790	3,000	<250	NA	NA	NA
	07/23/02	NP	22.45				7.36	15.09	4,600(d)	1,400	30	160	470	110	NA	1.7	7.5
	10/16/02	NP	22.45				7.66	14.79	5,400(d)	1,300	<20	62	150	<100	NA	1.1	7.5
	01/23/03 ^(d)	NP	22.45				6.28	16.17	<5,000	110	<50	<50	98	<50	NA	1.1	7.6
	04/07/03	NP	22.45				7.21	15.24	1,600	310	18	36	62	32	NA	1.5	7.2
	08/07/03 ^(m)	NP	22.45				7.46	14.99	<50	1.8	<0.50	<0.50	<0.50	3.5	NA	12.2	9.0
	10/23/03 ^(m)	NP	22.45				7.68	14.77	76	14.0	<0.50	1	1	12	NA	11.8	7.9
	01/12/04 ^(m,r)	NP	22.45				6.34	16.11	<50	1.5	0.68	<0.50	0.62	11	NA	6.8	8.8
	4/20/04 ^(u)	NP	23.47				8.12	15.35	300	53	13	12	29	12	NA	8.9	8.5
	07/01/04	NP	23.47				8.62	14.85	<50	0.56	<0.50	<0.50	<0.50	11	NA	10.6	8.5
MW-6	06/10/91		22.08	NA	NA	8.4	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	10/10/91		22.08				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/23/92		22.08				7.45	14.63	75,000	19,000	10,000	1,600	8,600	NA	NA	NA	NA
	06/08/92		22.08				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/15/92		22.08				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/16/92		22.08				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/16/93		22.08				6.79	15.29	65,000	14,000	3,500	1,300	6,100	NA	NA	NA	NA
	05/13/93		22.08				7.73	14.35	36,000	8,200	870	1,000	5,200	NA	NA	NA	NA
	08/17/93		22.08				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/08/93		22.08				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/14/94		22.08				7.78	14.30	47,000	14,000	390	1,000	5,100	NA	NA	NA	NA
	05/05/94		22.08				8.24	13.84	45,000	14,000	<200*	1,300	4,500	NA	NA	NA	NA
	08/04/94		22.08				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/20/94		22.08				7.41	14.67	30,000	11,000	<100*	1,200	2,300	NA	NA	NA	NA
	03/17/95		22.08				6.66	15.42	45,000	9,300	<100*	1,900	3,600	NA	NA	NA	NA
	06/01/95		22.08				7.60	14.48	23,000	5,600	<50	1,300	1,900	NA	NA	NA	NA
	08/31/95		22.08				7.92	14.16	26,000	8,000	<100	1,900	900	<500	NA	NA	NA
	11/27/95		22.08				8.21	13.87	6,700	1,800	<20	480	230	NA	NA	NA	NA
	02/22/96		22.08				6.21	15.87	17,000	3,100	69	810	1,500	<300	NA	NA	NA
	05/20/96		22.08				7.07	15.01	16,000	3,700	<50	1,100	1,100	<300	NA	NA	NA
	08/26/96		22.08				7.93	14.15	23,000	5,800	<50	2,000	560	<300	NA	NA	NA
	11/20/96		22.08				8.02	14.06	11,000	3,300	<50(j)	480	370	<300	NA	NA	NA
	03/24/97		22.77				7.95	14.82	9,700	1,900	<20	800	270	<100	NA	NA	NA
	05/23/97		22.77				8.17	14.60	16,000	4,300	<50	1,400	180	<300	NA	NA	NA
	08/19/97		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/19/97		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/19/98		22.77				5.78	16.99	2,600	540	8	90	88	<30	NA	NA	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-6	04/23/98		22.77				6.83	15.94	7,800	1,300	13	520	190	<60	NA	0.5	NA
	07/27/98		22.77				7.80	14.97	15,000	3,600	<25	1,100	230	<150	NA	1.0	NA
	10/14/98		22.77				8.31	14.46	8,700	2,400	<20	220	36	<120	NA	2.0	NA
	01/21/99		22.77				7.90	14.87	4,800	1,100	<25	340	79	<150	NA	2.0	NA
	05/06/99		22.77				7.70	15.07	1,300	240	2.3	85	19	5	NA	1.18	NA
	08/23/99		22.77				8.24	14.53	4,200	970	12	110	29	<15	NA	0.9	NA
	10/28/99		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NA
	02/04/00		22.77				7.31	15.46	110	<0.5	0.6	1.5	1.9	11	NA	1.1	NA
	06/20/00		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/29/00		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/17/00		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/28/01		22.77				7.57	15.20	DRY	DRY	DRY	DRY	DRY	DRY	NA	NA	NA
	06/20/01		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/22/01		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/27/01		22.77				7.21	15.56	<50	3	1	1.1	2	<2.5	NA	NA	NA
	03/15/02		22.77				7.51	15.28	2,100	380	8.6	110	17	<25	NA	NA	NA
	04/18/02		22.77				6.89	15.88	2,200	440	12	96	14	52	NA	NA	NA
	07/23/02	NP	22.77				8.50	14.27	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/16/02		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/23/03 ^(a)	NP	22.77				8.05	14.72	<5,000	<50	<50	<50	<50	<50	NA	2.1	6.4
	01/23/03 ^(a,h)		22.77				NA	NA	<250	58	<2.5	6.2	3.8	17	NA	2.1	NA
	04/07/03	NP	22.77				8.11	14.66	330	13	<0.50	2.7	8.6	15	NA	2.2	6.9
	08/07/03		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/23/03		22.77				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/04 ^(f)	NP	22.77				7.63	15.14	3,600	560	<25	120	<25	150	NA	0.6	7.1
	4/20/04 ^(m,u)	NP	24.66				8.54	16.12	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/01/04	--	24.66				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
MW-7	06/10/91		22.89	8.00	NA	9.4	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	10/10/91		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/23/92		22.89				8.20	14.69	270	10	0.5	3	13	NA	NA	NA	NA
	06/08/92		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/15/92		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/16/92		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/16/93		22.89				7.84	15.05	120	3.6	<0.5	<0.5	1.2	NA	NA	NA	NA
	05/13/93		22.89				8.56	14.33	<50	0.8	<0.5	<0.5	<0.5	NA	NA	NA	NA
	08/17/93		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/08/93		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/14/94		22.89				8.80	14.09	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-7	05/05/94		22.89				9.11	13.78	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	08/04/94		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/20/94		22.89				8.72	14.17	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	03/17/95		22.89				7.68	15.21	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	06/01/95		22.89				8.40	14.49	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	08/31/95		22.89				9.09	13.80	<50	<0.5	<0.5	0.6	<0.5	<3	NA	NA	NA
	11/27/95		22.89				9.15	13.74	<50	<0.5	<0.5	0.9	<0.5	NA	NA	NA	NA
	02/22/96		22.89				7.44	15.45	110	1.4	<0.5	3.8	3.0	<3	NA	NA	NA
	05/20/96		22.89				8.47	14.42	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		22.89				8.81	14.08	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/20/96		22.89				9.17	13.72	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		22.89				8.31	14.58	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	NA	NA
	05/23/97		22.89				9.26	13.63	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/19/97		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/19/98		22.89				6.13	16.76	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	NA	NA
	04/23/98		22.89				7.44	15.45	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	0.5	NA
	07/27/98		22.89				8.75	14.14	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.5	NA
	10/14/98		22.89				9.22	13.67	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.5	NA
	01/21/99		22.89				9.07	13.82	52	<0.5	<0.5	<0.5	0.27	<3	NA	3	NA
	05/06/99		22.89				8.32	14.57	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	0.83	NA
	08/23/99		22.89				9.25	13.64	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	1.42	NA
	10/28/99		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NA
	02/04/00		22.89				8.79	14.10	<50	<0.5	<0.5	<0.5	<1	<3	NA	4.46	NA
	06/20/00		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/29/00		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/17/00		22.89				8.93	13.96	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	03/28/01		22.89				8.35	14.54	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	06/20/01		22.89				DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	NA	NA
	09/22/01		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/27/01		22.89				8.42	14.47	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	03/15/02		22.89				8.54	14.35	<50	1.3	2.6	1.1	5.4	<2.5	NA	NA	NA
	04/18/02		22.89				7.84	15.05	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	3.32	NA
	07/23/02	NP	22.89				9.51	13.38	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/16/02		22.89				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/23/03 ^(a)	NP	22.89				8.04	14.85	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	5.4	6.7
	04/07/03	NP	22.89				8.39	14.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	5.1	6.9
	08/07/03	NP	22.89				9.01	13.88	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	4.5	6.9

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-7	10/23/03	NP	22.89				9.22	13.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	4.1	7.2
	01/12/04 ^(f)	NP	22.89				8.81	14.08	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	5.8	7.3
	4/20/04 ^(m,u)	NP	25.46				8.95	16.51	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	5.6	7.2
	07/01/04	—	25.46				DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NA	NA
MW-8	06/10/91		20.97	NA	NA	10.1	7.80	13.17	5,800	73	7.2	150	21	NA	NA	NA	NA
	10/10/91		20.97				8.87	12.10	2,800	31	6.1	4.5	3.9	NA	NA	NA	NA
	03/23/92		20.97				5.81	15.16	8,000	18	<5*	320	42	NA	NA	NA	NA
	06/08/92		20.97				8.01	12.96	4,000	<10*	<10*	110	<10*	NA	NA	NA	NA
	09/15/92		20.97				8.80	12.17	4,200	6.4	<5*	120	<5*	NA	NA	NA	NA
	11/16/92		20.97				8.19	12.78	2,600	4	<2.5*	21	5.2	NA	NA	NA	NA
	02/16/93		20.97				5.84	15.13	8,700	<5*	<5*	200	<5*	NA	NA	NA	NA
	05/13/93		20.97				6.93	14.04	2,300	<5*	<5*	42	<5*	NA	NA	NA	NA
	08/17/93		20.97				7.87	13.10	1,700	1.8	<1.3*	16	1.2	NA	NA	NA	NA
	11/08/93		20.97				8.31	12.66	1,200	2.4	<1*	19	2.3	NA	NA	NA	NA
	02/14/94		20.97				7.00	13.97	3,600	3	<1*	72	<1*	NA	NA	NA	NA
	05/05/94		20.97				7.46	13.51	2,100	<2.5*	<2.5*	8.3	<2.5*	NA	NA	NA	NA
	08/04/94		20.97				8.17	12.80	1,200	1.5	<1*	6.7	<1*	NA	NA	NA	NA
	11/20/94		20.97				6.78	14.19	2,300	1.2	1.1	20	2.2	NA	NA	NA	NA
	03/17/95		20.97				6.14	14.83	5,400	<5*	<5*	35	<5*	NA	NA	NA	NA
	06/01/95		20.97				6.50	14.47	2,600	<2.5	<2.5	15	<2.5	NA	NA	NA	NA
	08/31/95		20.97				7.35	13.62	1,400	<3	<3	5	<3	520	NA	NA	NA
	11/27/95		20.97				7.60	13.37	620	<0.5	<0.5	<0.5	0.5	560	NA	NA	NA
	2/22/1996 ^(o)		20.97				5.35	15.62	5,800	<5	<5	28	<5	110	NA	NA	NA
	5/20/1996 ^(p)		20.97				5.92	15.05	6,100	<5	<5	26	<5	240	NA	NA	NA
	8/26/1996 ^(q)		20.97				7.08	13.89	970	<1	<1	3	<1	710	NA	NA	NA
	11/20/96		20.97				7.01	13.96	3,900	<2.5	<2.5	12	<2.5	930	NA	NA	NA
	03/24/97		20.89				7.33	13.56	1,400	<10	<10	<10	12	1,300	NA	NA	NA
	05/23/97		20.89				7.55	13.34	730	<5	<5	<5	<5	630	NA	NA	NA
	08/19/97		20.89				7.87	13.02	<500	<5	<5	<5	<5	290	NA	NA	NA
	11/19/97		20.89				7.87	13.02	<200	<2	<2	<2	<2	260	NA	NA	NA
	02/19/98		20.89				4.46	16.43	2,000	<2	<2	9	<2	140	NA	NA	NA
	04/23/98		20.89				6.35	14.54	4,500	<5	<5	<5	11	590	NA	0.5	NA
	07/27/98		20.89				7.43	13.46	NS	NS	NS	NS	NS	NS	NS	NS	NA
	10/14/98		20.89				7.79	13.10	NS	NS	NS	NS	NS	NS	NS	NS	NA
	01/21/99		20.89				6.54	14.35	2,000	<2	<2	3	<2	320	NA	2.5	NA
	05/06/99		20.89				7.30	13.59	<50	<0.5	<0.5	<0.5	<0.5	160	NA	12.76	NA
	08/23/99		20.89				7.45	13.44	<50	<0.5	<0.5	<0.5	<0.5	5	NA	7.85	NA
	10/28/99		20.89				8.22	12.67	160	<0.5	<0.5	<0.5	<1	45	NA	0.84	NA

Table 1
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San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-8	02/04/00		20.89				8.47	12.42	<50	<0.5	<0.5	<0.5	<1	<3	NA	1.92	NA
	06/20/00		20.89				7.23	13.66	150	<0.5	0.9	<0.5	<1.0	310	NA	NA	NA
	09/29/00		20.89				7.91	12.98	149	<0.5	<0.5	<0.5	<0.5	438	NA	NA	NA
	12/17/00		20.89				7.11	13.78	662	<5.0	<5.0	<5.0	<5.0	273	NA	NA	NA
	03/28/01		20.89				6.88	14.01	840	<5.0	<5.0	<5.0	<5.0	320	NA	NA	NA
	06/20/01		20.89				7.25	13.64	230	<0.5	<0.5	<0.5	0.65	330	NA	NA	NA
	09/22/01		20.89				8.14	12.75	<50	<0.5	<0.5	<0.5	<0.5	6.5	NA	NA	NA
	12/27/01		20.89				6.73	14.16	780	<0.5	<0.5	0.6	0.89	160	NA	NA	NA
	03/15/02		20.89				6.94	13.95	1,100	<10	<10	<10	<10	830	NA	NA	NA
	04/18/02		20.89				NM	NM	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/23/02	NP	20.89				7.89	13.00	<50	<0.50	<0.50	<0.50	<0.50	8.7	NA	4.5	7.7
	10/16/02	NP	20.89				8.13	12.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	4.2	7.5
	01/23/03 ^(a)	NP	20.89				6.47	14.42	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	4.0	7.5
	04/07/03	NP	20.89				7.49	13.40	<50	<0.50	<0.50	<0.50	<0.50	19	NA	4.7	7.5
	08/07/03 ^(m)	NP	20.89				7.93	12.96	<50	<0.50	<0.50	<0.50	<0.50	0.96	NA	14.8	8.3
	10/23/03 ^(m)	NP	20.89				7.83	13.06	<50	<0.50	<0.50	<0.50	<0.50	2.20	NA	14.3	8.6
	01/12/04 ^(m,r)	NP	20.89				6.62	14.27	<50	<0.50	<0.50	<0.50	<0.50	13	NA	11.2	9.0
	4/20/04 ^(m,u)	NP	23.55				8.21	15.34	55 ^(a)	<0.50	<0.50	<0.50	<0.50	25	NA	10.1	8.7
	07/01/04	NP	23.55				8.48	15.07	<50	<0.50	<0.50	<0.50	<0.50	2.1	NA	14.3	8.0
MW-9	06/11/93		20.89	NA	NA	15.9	8.15	12.74	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	08/17/93		20.89				8.53	12.36	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	11/08/93		20.89				8.87	12.02	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	02/14/94		20.89				7.47	13.42	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	05/05/94		20.89				8.04	12.85	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	08/04/94		20.89				8.78	12.11	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	11/20/94		20.89				6.83	14.06	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	03/17/95		20.89				6.94	13.95	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	06/01/95		20.89				8.15	12.74	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	08/31/95		20.89				8.10	12.79	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	11/27/95		20.89				8.38	12.51	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	02/22/96		20.89				7.36	13.53	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	05/20/96		20.89				7.81	13.08	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		20.89				8.00	12.89	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	11/20/96		20.89				7.06	13.83	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		22.26				7.74	14.52	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	05/23/97		22.26				8.28	13.98	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97		22.26				8.32	13.94	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	11/19/97		22.26				8.32	13.94	NS	NS	NS	NS	NS	NS	NS	NA	NA

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Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft, TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-9	02/19/98		22.26				7.11	15.15	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	04/23/98		22.26				8.18	14.08	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/27/98		22.26				7.97	14.29	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	3.6	NA
	10/14/98		22.26				8.29	13.97	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	2.5	NA
	01/21/99		22.26				7.63	14.63	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	1.5	NA
	05/06/99		22.26				7.27	14.99	NS	NS	NS	NS	NS	NS	NS	NS	NA
	08/23/99		22.26				8.24	14.02	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	1.93	NA
	10/28/99		22.26				8.63	13.63	NS	NS	NS	NS	NS	NS	NS	NS	NA
	02/04/00		22.26				8.01	14.25	<50	<0.50	1.6	<0.50	<1	<3	NA	1.47	NA
	06/20/00		22.26				8.01	14.25	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/29/00		22.26				8.44	13.82	<50	<0.5	<0.5	<0.5	<0.5	3.44	NA	NA	NA
	12/17/00		22.26				7.84	14.42	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/28/01		22.26				7.58	14.68	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	06/20/01		22.26				7.75	14.51	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/22/01		22.26				8.69	13.57	<50	<0.5	<0.5	<0.5	<0.5	7.8	NA	NA	NA
	12/27/01		22.26				7.15	15.11	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/15/02		22.26				7.23	15.03	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	NA	NA	NA
	04/18/02		22.26				6.79	15.47	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/23/02	P	22.26				8.3	13.96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	1.4	7.2
	10/16/02		22.26				8.64	13.62	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/23/03 ⁽⁹⁾	P	22.26				7.35	14.91	<50	<0.50	<0.50	<0.50	<0.50	2.2	NA	3.0	7.2
	04/07/03		22.26				7.81	14.45	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/03		22.26				8.31	13.95	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/23/03		22.26				8.48	13.78	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/12/2004 ⁽¹⁾		22.26				7.46	14.80	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/04 ⁽¹⁾		23.64				8.65	14.99	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/01/04	P	23.64				9.03	14.61	<50	<0.50	<0.50	<0.50	<0.50	3.2	NA	1.3	6.9
MW-10	06/11/93		21.12	NA	NA	11.9	8.14	12.98	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	08/17/93		21.12				8.54	12.58	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	11/08/93		21.12				8.70	12.42	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	02/14/94		21.12				7.13	13.99	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	05/05/94		21.12				8.08	13.04	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	08/04/94		21.12				8.84	12.28	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	11/20/94		21.12				7.05	14.07	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	03/17/95		21.12				6.26	14.86	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	06/01/95		21.12				7.63	13.49	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	08/31/95		21.12				8.17	12.95	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	11/27/95		21.12				8.38	12.74	<50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA

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Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-10	02/22/96		21.12				5.41	15.71	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	05/20/96		21.12				6.78	14.34	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		21.12				8.00	13.12	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	11/20/96		21.12				7.81	13.31	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		21.33				7.87	13.46	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	05/23/97						8.33	13.00	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97						8.39	12.94	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	11/19/97						8.39	12.94	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	02/19/98						4.65	16.68	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	NA	NA
	04/23/98						6.28	15.05	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	0.5	NA
	07/27/98						7.97	13.36	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	3.3	NA
	10/14/98						8.41	12.92	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	1.0	NA
	01/21/99						6.65	14.68	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	0.5	NA
	05/06/99						7.74	13.59	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	0.76	NA
	08/23/99						8.37	12.96	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	1.21	NA
	10/28/99						8.73	12.60	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	1.12	NA
	02/04/00						8.78	12.55	<50	<0.50	<0.50	<0.50	<0.50	<3	NA	2.84	NA
	06/20/00						7.99	13.34	<0.5	<0.5	<0.5	<0.5	<0.5	<3.0	NA	NA	NA
	09/29/00						8.40	12.93	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	12/17/00						7.91	13.42	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	03/28/01						7.47	13.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	06/20/01						8.11	13.22	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	09/22/01						8.77	12.56	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	12/27/01						6.94	14.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	03/15/02						7.48	13.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	04/18/02						6.77	14.56	<50	<0.5	<0.5	<0.5	<0.5	3.8	NA	1.22	NA
	07/23/02	NP					8.42	12.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	1.0	7.2
	10/16/02	NP					8.77	12.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	1.0	6.4
	01/23/03 ^(a)	NP					7.12	14.21	<50	<0.50	<0.50	<0.50	<0.50	1.4	NA	1.3	7.4
	04/07/03	NP					7.73	13.80	<50	<0.50	<0.50	<0.50	<0.50	1.6	NA	1.3	7.0
	08/07/03	NP					8.45	12.88	<50	<0.50	<0.50	<0.50	<0.50	1.5	NA	1.3	7.3
	10/23/03						8.71	12.62	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/04 ^(r)	NP					7.25	14.08	<50	<0.50	<0.50	<0.50	<0.50	1.7	NA	8.2	7.5
	4/20/04 ^(u)		23.42				8.15	15.27	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/01/04	NP	23.42		5.00		8.90	14.52	<50	<0.50	<0.50	<0.50	<0.50	2.1	NA	1.0	7.1
MW-11	11/16/92		22.38	7.0	NA	11.6	9.02	13.36	7,000	21	<10*	18	230	NA	NA	NA	NA
	02/16/93		22.38				7.11	15.27	2,200	<10*	<10*	11	<10*	NA	NA	NA	NA
	05/13/93		22.38				8.04	14.34	1,600	<2.5*	<2.5*	41	6.8	NA	NA	NA	NA

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Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-11	08/17/93		22.38				8.78	13.60	830	1.4	<1.0*	25	15	NA	NA	NA	NA
	11/08/93		22.38				9.23	13.15	370	<1.0*	<1.0*	2.5	2.1	NA	NA	NA	NA
	02/14/94		22.38				7.94	14.44	650	<1*	<1.0*	2	4	NA	NA	NA	NA
	05/05/94		22.38				8.55	13.83	210	<0.5	<0.5	2.5	0.6	NA	NA	NA	NA
	08/04/94		22.38				9.13	13.25	390	<0.5	<0.7*	1.9	2.2	NA	NA	NA	NA
	11/20/94		22.38				7.73	14.65	1,300	1.3	0.5	1.5	21	NA	NA	NA	NA
	03/17/95		22.38				6.94	15.44	100	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	06/01/95		22.38				7.90	14.48	210	<0.5	<0.5	0.9	0.7	NA	NA	NA	NA
	08/31/95		22.38				8.18	14.20	680	<0.5	<0.5	4	1.8	<3	NA	NA	NA
	11/27/95		22.38				8.48	13.90	340	<0.5	<0.5	2.2	1.6	NA	NA	NA	NA
	02/22/96		22.38				6.63	15.75	150	<0.5	<0.5	<0.8	<0.8	<3	NA	NA	NA
	05/20/96		22.38				7.25	15.13	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		22.38				8.22	14.16	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/20/96		22.38				8.37	14.01	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		20.97				8.15	12.82	63	<0.5	<0.5	<0.5	<0.5	<3	NA	NA	NA
	05/23/97		20.97				8.48	12.49	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97		20.97				8.67	12.30	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/19/97		20.97				8.67	12.30	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/19/98		20.97				6.25	14.72	<50	<0.5	1.6	<0.5	1.8	7	NA	NA	NA
	04/23/98		20.97				7.23	13.74	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/27/98		20.97				8.05	12.92	NS	NS	NS	NS	NS	NS	NS	NA	NA
	10/14/98		20.97				8.58	12.39	NS	NS	NS	NS	NS	NS	NS	NA	NA
	01/21/99		20.97				8.25	12.72	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	0.5	NA
	05/06/99		20.97				7.95	13.02	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/23/99		20.97				8.51	12.46	NS	NS	NS	NS	NS	NS	NS	0.86	NA
	10/28/99		20.97				8.95	12.02	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/04/00		20.97				7.88	13.09	<50	<0.5	<0.5	<0.5	<1	<3	NA	3.29	NA
	06/20/00		20.97				8.18	12.79	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/29/00		20.97				8.60	12.37	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/17/00		20.97				8.48	12.49	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/28/01		20.97				7.88	13.09	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	06/20/01		20.97				8.48	12.49	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/22/01		20.97				9.11	11.86	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/27/01		20.97				7.50	13.47	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/15/02		20.97				7.87	13.10	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	04/18/02		20.97				7.22	13.75	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/23/02		20.97				8.76	12.21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/16/02		20.97				9.15	11.82	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/23/03 ^(a)	P	20.97				7.61	13.36	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	2.4	7.4
	04/07/03		20.97				8.25	12.72	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/03		20.97				8.84	12.13	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-11	10/23/03	P	20.97				9.09	11.88	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	2	7
	01/12/04	P	20.97				7.7	13.27	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/04 ^(u)		24.97				9.18	15.79	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/01/04	P	24.97				9.90	15.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.8	7.01
MW-12	11/16/92		22.77	7.5	NA	11.0	9.65	13.12	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	02/16/93		22.77				7.88	14.89	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	05/13/93		22.77				8.63	14.14	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	08/17/93		22.77				9.30	13.47	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	11/08/93		22.77				9.72	13.05	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	02/14/94		22.77				8.24	14.53	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	05/05/94		22.77				8.97	13.80	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	08/04/94		22.77				9.57	13.20	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	11/20/94		22.77				8.06	14.71	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	03/17/95		22.77				7.09	15.68	<50	<0.5	<0.5	< 0.5	<0.5	NA	NA	NA	NA
	06/01/95		22.77				8.40	14.37	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/31/95		22.77				8.55	14.22	<50	<0.5	<0.5	< 0.5	<0.5	<3	NA	NA	NA
	11/27/95		22.77				8.95	13.82	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/22/96		22.77				6.81	15.96	<50	<0.5	<0.5	< 0.5	<0.5	<3	NA	NA	NA
	05/20/96		22.77				7.56	15.21	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		22.77				8.63	14.14	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/20/96		22.77				8.38	14.39	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		20.11				8.75	11.36	<50	<0.5	<0.5	< 0.5	<0.5	<3	NA	NA	NA
	05/23/97		20.11				8.92	11.19	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97		20.11				9.20	10.91	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/19/97		20.11				9.20	10.91	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/19/98		20.11				6.28	13.83	<50	<0.5	<0.5	< 0.5	<0.5	<3	NA	NA	NA
	04/23/98		20.11				7.52	12.59	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/27/98		20.11				8.52	11.59	NS	NS	NS	NS	NS	NS	NS	NA	NA
	10/14/98		20.11				9.06	11.05	NS	NS	NS	NS	NS	NS	NS	NA	NA
	01/21/99		20.11				8.20	11.91	<50	<0.5	<0.5	< 0.5	<0.5	<3	NA	1.5	NA
	05/06/99		20.11				8.47	11.64	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/23/99		20.11				9.04	11.07	NS	NS	NS	NS	NS	NS	NS	0.85	NA
	10/28/99		20.11				9.40	10.71	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/04/00		20.11				8.38	11.73	<50	<0.5	<0.5	< 0.5	<1	<3	NA	3.34	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Leavelle Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-12	06/20/00		20.11				8.55	11.56	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/29/00		20.11				8.98	11.13	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/17/00		20.11				8.76	11.35	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/28/01		20.11				8.31	11.80	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	06/20/01		20.11				9.10	11.01	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/22/01		20.11				9.48	10.63	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/27/01		20.11				7.78	12.33	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/15/02		20.11				8.22	11.89	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	04/18/02		20.11				7.65	12.46	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/23/02		20.11				9.18	10.93	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/16/02		20.11				9.51	10.60	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/23/03		20.11				7.86	12.25	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/07/03		20.11				8.58	11.53	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/03		20.11				9.23	10.88	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/23/03	P	20.11				9.44	10.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	1.2	7
	01/12/04		20.11				8.08	12.03	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/04 ^(u)		25.32				9.28	16.04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/01/04	P	25.32				9.65	15.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.8	7.0
MW-13	11/16/92		22.45	NA	NA	12.7	9.02	13.43	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	02/16/93		22.45				7.14	15.31	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	05/13/93		22.45				7.95	14.50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	08/17/93		22.45				8.57	13.88	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	11/08/93		22.45				8.86	13.59	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	02/14/94		22.45				7.78	14.67	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	05/05/94		22.45				8.38	14.07	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	08/04/94		22.45				8.78	13.67	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	11/20/94		22.45				7.68	14.77	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	03/17/95		22.45				6.91	15.54	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	06/01/95		22.45				7.72	14.73	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/31/95		22.45				7.58	14.87	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/27/95		22.45				7.98	14.47	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/22/96		22.45				6.71	15.74	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	NA	NA
	05/20/96		22.45				6.98	15.47	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		22.45				7.85	14.60	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/20/96		22.45				7.76	14.69	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		20.75				7.85	12.90	<50	<0.5	<0.5	<0.5	<0.5	<3	NA	NA	NA
	05/23/97		20.75				8.16	12.59	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97		20.75				8.40	12.35	NS	NS	NS	NS	NS	NS	NS	NA	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-13	11/19/97		20.75				8.40	12.35	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/19/98		20.75				6.44	14.31	<50	< 0.5	< 0.5	< 0.5	<0.5	<3	NA	NA	NA
	04/23/98		20.75				6.80	13.95	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/27/98		20.75				7.52	13.23	<50	< 0.5	< 0.5	< 0.5	<0.5	<3	NA	1.5	NA
	10/14/98		20.75				8.15	12.60	<50	< 0.5	< 0.5	< 0.5	<0.5	<3	NA	2.0	NA
	01/21/99		20.75				7.85	12.90	<50	< 0.5	< 0.5	< 0.5	<0.5	<3	NA	1.5	NA
	05/06/99		20.75				7.82	12.93	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/23/99		20.75				8.29	12.46	NS	NS	NS	NS	NS	NS	NS	0.94	NA
	10/28/99		20.75				8.55	12.20	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/04/00		20.75				8.11	12.64	<50	< 0.5	0.6	< 0.5	<1	<3	NA	1.27	NA
	06/20/00		20.75				7.56	13.19	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/29/00		20.75				8.27	12.48	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/17/00		20.75				8.09	12.66	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/28/01		20.75				7.69	13.06	<50	<0.5	<0.5	< 0.5	<0.5	<2.5	NA	NA	NA
	06/20/01		20.75				8.46	12.29	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/22/01		20.75				8.57	12.18	NS	NS	NS	NS	NS	NS	NS	NA	NA
	12/27/01		20.75				7.14	13.61	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/15/02		20.75				7.62	13.13	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	NA	NA	NA
	04/18/02		20.75				6.91	13.84	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/23/02		20.75				8.50	12.25	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/16/02		20.75				8.74	12.01	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/23/03 ^(a)	P	20.75				7.35	13.40	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	3.4	7.0
	04/07/03		20.75				7.99	12.76	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/03		20.75				8.60	12.15	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/23/03	P	20.75				8.55	12.20	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	2	7.1
	01/12/04		20.75				7.56	13.19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/04 ^(u)		25.01				4.57	20.44	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/01/04	P	25.01				8.71	16.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	2.4	6.9
MW-14	09/15/92		22.99	7.5	NA	12.6	10.66	12.33	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	11/16/92		22.99				10.33	12.66	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	02/16/93		22.99				8.18	14.81	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	05/13/93		22.99				9.05	13.94	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	08/17/93		22.99				22.99	0.00	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	11/08/93		22.99				10.25	12.74	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	02/14/94		22.99				8.80	14.19	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	05/05/94		22.99				9.49	13.50	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	08/04/94		22.99				10.11	12.88	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	11/20/94		22.99				8.66	14.33	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-14	03/17/95		22.99				8.17	14.82	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	06/01/95		22.99				8.57	14.42	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/31/95		22.99				9.05	13.94	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/27/95		22.99				9.19	13.80	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/22/96		22.99				6.52	16.47	<50	< 0.5	< 0.5	< 0.5	<0.5	<3	NA	NA	NA
	05/20/96		22.99				7.88	15.11	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		22.99				8.83	14.16	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/20/96		22.99				8.95	14.04	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		20.90				8.98	11.92	<50	< 0.5	< 0.5	< 0.5	<0.5	<3	NA	NA	NA
	05/23/97		20.90				9.61	11.29	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97		20.90				9.80	11.10	NS	NS	NS	NS	NS	NS	NS	NA	NA
	11/19/97		20.90				9.80	11.10	<50	1.7	< 0.5	0.6	3	<3	NA	NA	NA
	02/19/98		20.90				6.27	14.63	<50	< 0.5	< 0.5	< 0.5	< 0.5	<3	NA	NA	NA
	04/23/98		20.90				7.75	13.15	<50	< 0.5	< 0.5	< 0.5	< 0.5	<3	NA	0.5	NA
	07/27/98		20.90				9.24	11.66	<50	< 0.5	< 0.5	< 0.5	< 0.5	<3	NA	1	NA
	10/14/98		20.90				9.73	11.17	<50	< 0.5	< 0.5	< 0.5	< 0.5	<3	NA	1	NA
	01/21/99		20.90				8.90	12.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	<3	NA	1.5	NA
	05/06/99		20.90				8.98	11.92	<50	< 0.5	< 0.5	< 0.5	< 0.5	<3	NA	0.73	NA
	08/23/99		20.90				9.68	11.22	<50	< 0.5	< 0.5	< 0.5	< 0.5	<3	NA	0.91	NA
	10/28/99		20.90				10.00	10.90	<50	< 0.5	< 0.5	< 0.5	<1	<10	NA	1.06	NA
	02/04/00		20.90				8.19	12.71	<50	< 0.5	0.5	< 0.5	<1	<3	NA	1.21	NA
	06/20/00		20.90				9.16	11.74	<50	<0.5	<0.5	<0.5	<1.0	<10	NA	NA	NA
	09/29/00		20.90				9.48	11.42	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.50	NA	NA	NA
	12/17/00		20.90				9.24	11.66	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	NA	NA	NA
	03/28/01		20.90				8.91	11.99	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	NA	NA	NA
	06/20/01		20.90				9.7	11.20	<50	< 0.5	< 0.5	< 0.5	<0.5	3.1	NA	NA	NA
	09/22/01		20.90				10.04	10.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	12/27/01		20.90				8.33	12.57	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	03/15/02		20.90				8.75	12.15	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	NA	NA	NA
	04/18/02		20.90				8.21	12.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA
	07/23/02	NP	20.90				9.76	11.14	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	1.4	7.1
	10/16/02	NP	20.90				10.10	10.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	1.1	5.8
	01/23/03 ^(a)	NP	20.90				8.41	12.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.3	7.1
	04/07/03	NP	20.90				9.09	11.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.4	6.9
	08/07/03	NP	20.90				9.81	11.09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.4	6.7
	10/23/03		20.90				10.04	10.86	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/04 ^(r)	P	20.90				8.89	12.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	2.0	7.2
	4/20/04 ^(u)		25.55				9.62	15.93	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/01/04	NP	25.55				10.03	15.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	1.6	6.7

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-15	05/13/93		19.19	NA	NA	9.8	5.91	13.28	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	08/17/93		19.19				6.54	12.65	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	11/08/93		19.19				6.98	12.21	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	02/14/94		19.19				5.44	13.75	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	05/05/94		19.19				6.18	13.01	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	08/04/94		19.19				6.84	12.35	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	11/20/94		19.19				5.31	13.88	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	03/17/95		19.19				5.21	13.98	<50	< 0.5	< 0.5	< 0.5	<0.5	NA	NA	NA	NA
	06/01/95		19.19				5.84	13.35	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/31/95		19.19				6.18	13.01	<50	< 0.5	< 0.5	< 0.5	<0.5	<3	NA	NA	NA
	11/27/95		19.19				6.42	12.77	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/22/96		19.19				4.84	14.35	<50	< 0.5	< 0.5	< 0.5	<0.5	12	NA	NA	NA
	05/20/96		19.19				5.31	13.88	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/26/96		19.19				6.05	13.14	<50	< 0.5	< 0.5	< 0.5	<0.5	8	NA	NA	NA
	11/20/96		19.19				5.46	13.73	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/24/97		22.08				6.00	16.08	<50	< 0.5	< 0.5	< 0.5	<0.5	15	NA	NA	NA
	05/23/97		22.08				6.25	15.83	NS	NS	NS	NS	NS	NS	NS	NA	NA
	08/19/97		22.08				6.34	15.74	99(l)	< 0.5	< 0.5	< 0.5	0.7	6	NA	NA	NA
	11/19/97		22.08				6.34	15.74	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/19/98		22.08				4.66	17.42	<50	< 0.5	< 0.5	< 0.5	<0.5	48	NA	NA	NA
	04/23/98		22.08				5.18	16.90	NS	NS	NS	NS	NS	NS	NS	NS	NA
	07/27/98		22.08				6.02	16.06	<50	< 0.5	< 0.5	< 0.5	<0.5	50	NA	1.0	NA
	10/14/98		22.08				6.26	15.82	<50	< 0.5	< 0.5	< 0.5	<0.5	27	NA	1.5	NA
	01/21/99		22.08				5.33	16.75	<50	< 0.5	< 0.5	< 0.5	<0.5	6	NA	1.0	NA
	05/06/99		22.08				5.82	16.26	NS	NS	NS	NS	NS	NS	NS	NS	NA
	08/23/99		22.08				6.24	15.84	<50	< 0.5	< 0.5	< 0.5	<0.5	21	NA	1.14	NA
	10/28/99		22.08				6.60	15.48	NS	NS	NS	NS	NS	NS	NS	NA	NA
	02/04/00		22.08				7.02	15.06	<50	< 0.5	< 0.5	< 0.5	<1	<3	NA	1.09	NA
	06/20/00		22.08				5.98	16.10	NS	NS	NS	NS	NS	NS	NS	NS	NA
	09/29/00		22.08				6.50	15.58	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.50	NA	NA	NA
	12/17/00		22.08				5.89	16.19	NS	NS	NS	NS	NS	NS	NS	NS	NA
	03/28/01		22.08				5.78	16.30	<50	< 0.5	< 0.5	< 0.5	<0.5	11.1	NA	NA	NA
	06/20/01		22.08				5.72	16.36	NS	NS	NS	NS	NS	NS	NS	NA	NA
	09/22/01		22.08				6.79	15.29	<50	<0.5	<0.5	<0.5	<0.5	13	NA	NA	NA
	12/27/01		22.08				5.49	16.59	NS	NS	NS	NS	NS	NS	NS	NA	NA
	03/15/02		22.08				5.88	16.40	<50	< 0.5	< 0.5	< 0.5	<0.5	<2.5	NA	NA	NA
	04/18/02		22.08				4.85	17.23	NS	NS	NS	NS	NS	NS	NS	NA	NA
	07/23/02	P	22.08				6.32	15.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	2.0	7.9
	10/16/02		22.08				6.69	15.39	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/23/03 ^(a)	P	22.08				5.70	16.38	<50	<0.50	<0.50	<0.50	<0.50	1.9	NA	2.6	7.5

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Well Number	Date Sampled	Purge/ No Purge	Top of Riser Elevation (ft.)	Top of Screen (ft, bgs)	Bottom of Screen (ft, bgs)	Well Depth (ft., bgs)	Depth to Groundwater (ft., TOC)	Groundwater Elevation (ft.)	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Semi Volatiles (µg/L)	DO (l) (mg/L)	pH (l)
MW-15	04/07/03		22.08				5.94	16.14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/03		22.08				6.32	15.76	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/23/03		22.08				6.56	15.52	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/12/04		22.08				5.71	16.37	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/20/04 ^(u)		21.72				7.10	14.62	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/01/04	P	21.72				7.18	14.54	<50	<0.50	<0.50	<0.50	<0.50	1.9	NA	1.6	1.3

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station # 0601
712 Lewelling Boulevard
San Leandro, California

Abbreviations:

GRO	= Gasoline Range Organics, C4-C12 range
TPH-g	= Total Petroleum Hydrocarbons as gasoline analyzed using EPA Method 8015B modified prior to 1/23/03
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B prior to 1/23/03
MTBE	= Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted prior to 1/23/03
TRPH	= Total Recoverable Petroleum Hydrocarbons
TPHD	= Total Petroleum Hydrocarbons as diesel, California DHS (Dept. of Health Services) LUFT (Leaking Underground Fuel Tank) Method
Note	= Semi volatile organic compounds analyzed using EPA Method 8270C
ft bgs	= feet below ground surface
ug/L	= Micrograms per liter
mg/ L	= Milligrams per liter
NA	= Not analyzed, data not available
NS	= Not sampled
TOC	= Top of casing
P/ NP	= Purge/ No Purge sample
DO	= Dissolved oxygen
<	= Not detected at or above specified laboratory method detection limit

Notes:

a	= 2-methylnaphthalene
b	= Naphthalene
c	= Phenol
d	= Chromatogram Pattern: Gasoline C6-C10
e	= Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel
f	= 4-Methylphenol
g	= TPH, BTEX, and MTBE analyzed by EPA Method 8260B beginning on the 1st Quarter 2003 Sampling event (1/23/03)
h	= This sample was re-extracted beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
i	= Groundwater Elevations adjusted using the formula $GWE = (TOC - DTW) * (FPT \times 0.8)$
j	= Sample contains a higher boiling point hydrocarbon mixture quantitated as gasoline. The chromatogram did not match the typical gasoline fingerprint.
k	= Dissolved oxygen reading not taken due to the presence of sheen
l	= Dissolved oxygen and pH are field measurements
m	= Gauged with ORC sock in well
n	= bis(2-ethylexy)phthalate
o	= Additional results TRPH = 900 mg/l
p	= Additional results TRPH = 900 mg/l and TPHD LUFTH = 900 mg/l (j)
q	= Additional results TRPH = 1,900 mg/l and TPHD LUFTH = 6,800 mg/l (j).
r	= Beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPH-g) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported. Beginning Second Quarter 2004, the carbon ranged was changed from C6 - C10 to C4 - C12.
s	= Discrete peak at C-5.
t	= Insufficient water to sample
u	= Site re-surveyed to vertical NAVD'88 datum on 02/27/04
*	= Method reporting limit was raised due to high analyte concentration requiring sample dilution or matrix interference.

Source: The data within this table collected prior to July 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2
Fuel Oxygenate Analytical Data

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

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)
MW-1	01/23/03	<4,000	<2,000	<50	<50	<50	<50	<50	<50
	04/07/03	<1,000	<200	69	<5.0	<5.0	<5.0	<5.0	<5.0
	08/07/03	<5,000	<1,000	160	<25	<25	<25	<25	<25
	10/23/03	NA	<1,000	220	<25	<25	<25	<25	<25
	01/12/04	<5,000	<1,000	140	<50	<50	<50	<25	<25
	04/20/04	<5,000	<1,000	84	<25	<25	<25	<25	<25
	07/01/04	<2,000	<400	100	<10	<10	<10	<10	<10
MW-2	01/23/03	<4,000	<2,000	95	<50	<50	<50	<50	<50
	10/23/03	NA	<100	68	<2.5	<2.5	16	<2.5	<2.5
	07/01/04	<100	28	72	<0.50	<0.50	15	<0.50	<0.50
MW-3	01/23/03	<8,000	<4,000	<100	<100	<100	<100	<100	<100
	04/07/03	<10,000	<2,000	<50	<50	<50	<50	<50	<50
	08/07/03	<20,000	<4,000	<100	<100	<100	<100	<100	<100
	10/23/03	NA	<1,000	<25	<25	<25	<25	<25	<25
	01/12/04	<1,000	<200	<5.0	<10	<10	<10	<5.0	<5.0
	04/20/04	<10,000	<2,000	<50	<50	<50	<50	<50	<50
	07/01/04	<10,000	<2,000	<50	<50	<50	<50	<50	<50
MW-4	01/23/03	<200	<100	5.9	<2.5	<2.5	<2.5	<2.5	<2.5
	04/07/03	<100	<20	9.2	<0.5	<0.5	0.61	<0.5	<0.50
	08/07/03	<5,000	<1,000	<25	<25	<25	<25	<25	<25
	10/23/03	NA	<100	12	<2.5	<2.5	<2.5	<2.5	<2.5
	01/12/04	<500	<100	4.3	<5.0	<5.0	<5.0	<2.5	<2.5
	04/20/04	<1,000	<200	12	<5.0	<5.0	<5.0	<5.0	<5.0
	07/01/04	<500	<100	15	<2.5	<2.5	<2.5	<2.5	<2.5
MW-5	01/23/03	<4,000	<2,000	<50	<50	<50	<50	<50	<50
	04/07/03	<500	<100	32	<2.5	<2.5	6.3	<2.5	<2.5
	08/07/03	<100	<20	3.5	<0.50	<0.50	<0.50	<0.50	<0.50
	10/23/03	NA	<20	12	<0.50	<0.50	1.7	<0.50	<0.50
	01/12/04	<100	<20	11	<1.0	<1.0	1.3	<0.50	<0.50
	04/20/04	<100	<20	12	<0.50	<0.50	3.0	<0.50	<0.50
	07/01/04	<100	<20	11	<0.50	<0.50	2.0	<0.50	<0.50
MW-6	01/23/03	<4,000	<2,000	<50	<50	<50	<50	<50	<50
	1/23/03(a)	<200	<100	17	<2.5	<2.5	<2.5	<2.5	<2.5
	04/07/03	<100	<20	15	<0.5	<0.5	2.1	<0.5	<0.50
	01/12/04	<5,000	<1,000	150	<50	<50	<50	<25	<25
MW-7	01/23/03	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/07/03	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/03	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/23/03	NA	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/12/04	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50
	04/20/04	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-8	01/23/03	<40	<20	2.6	<0.50	<0.50	<0.50	<0.50	<0.50
	04/07/03	<100	<20	19	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/03	<100	<20	0.96	<0.50	<0.50	<0.50	<0.50	<0.50
	10/23/03	NA	<20	2.2	<0.50	<0.50	<0.50	<0.50	<0.50
	01/12/04	<100	<20	13	<1.0	<1.0	<1.0	<0.50	<0.50
	04/20/04	<100	<20	25	<0.50	<0.50	<0.50	<0.50	<0.50
MW-9	01/23/03	<40	<20	2.2	<0.50	<0.50	<0.50	<0.50	<0.50
	07/01/04	<100	<20	3.2	<0.50	<0.50	<0.50	<0.50	<0.50

Table 2
Fuel Oxygenate Analytical Data

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

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)
MW-10	01/23/03	<40	<20	1.4	<0.50	<0.50	<0.50	<0.50	<0.50
	04/07/03	<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50
	08/07/03	<100	<20	1.5	<0.50	<0.50	<0.50	<0.50	<0.50
	01/12/04	<100	<20	1.7	<1.0	<1.0	<1.0	<0.50	<0.50
	07/01/04	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50
MW-11	01/23/03	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/23/03	NA	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/01/04	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-12	10/23/03	NA	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/01/04	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-13	01/23/03	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/23/03	NA	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/01/04	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-14	01/23/03	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	04/07/03	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	01/12/04	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50
	07/01/04	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-15	01/23/03	<40	<20	1.9	<0.50	<0.50	<0.50	<0.50	<0.50
	07/01/04	<100	<20	1.9	<0.50	<0.50	<0.50	<0.50	<0.50

Abbreviations:

TBA = tert-Butyl alcohol
 MTBE = Methyl tert-Butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tert Butyl ether
 TAME = tert-Amyl Methyl ether
 1,2-DCA = 1,2-Dichloroethane
 EDB = 1,2-Dibromoethane
 µg/L = Micrograms per liter
 < = Not detected at or above laboratory reporting limits
 NA = Not analyzed

Notes:

- (a) =The sample was re-extracted beyond the EPA recommended holding time. The results may still be useful for their intended purpose.

All fuel additive compounds analyzed using EPA Method 8260B

Table 3
Groundwater Flow Direction and Gradient
 ARCO Service Station #0601
 712 Lewelling Boulevard
 San Leandro, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
08/04/94	Southwest	0.004
11/20/94	Southwest	0.002
03/17/95	West-Southwest	0.006
06/01/95	Southwest	0.003
08/31/95	South-Southwest	0.005
11/27/95	South-Southwest	0.004
02/22/96	Northwest	0.007
05/20/96	Southwest	0.007
08/26/96	South-Southwest	0.004
11/20/96	South-Southeast	0.004
03/24/97	Southeast	0.013
05/23/97	Southeast	0.014
11/19/97	Southeast	0.016
02/19/98	East	Variable
04/23/98	Variable	Variable
07/27/98	Southeast	0.050
10/14/98	Southeast	0.020
01/21/99	East	0.040
05/06/99	Southeast	0.050
08/23/99	Southeast	0.020
10/28/99	Southeast	0.040
02/04/00	East-Southeast	0.053
06/20/00	East-Southeast	0.023
09/29/00	East-Southeast	0.023
12/17/00	East-Southeast	0.010
03/28/01	East-Southeast	0.014
06/20/01	East-Southeast	0.022
09/22/01	East-Southeast	0.025
12/27/01	East-Southeast	0.025
03/15/02	East	0.015
04/18/02	East	0.015
07/23/02	East-Southeast	0.025
10/16/02	East-Southeast	0.022
01/23/03	East	0.020
04/07/03	East-Southeast	0.033
08/07/03	East-Southeast	0.047
10/23/03	Southeast	0.047
01/12/04	Southeast	0.042
04/20/04 ^(a)	Southwest	0.005
07/01/04	West	0.005

Notes:

(a) = Wells resurveyed on 02/27/04.

Source: The data within this table collected prior to July 2002 was provided to URS by Alameda County Environmental Health (07/17/94-03/17/95) and RM and their previous consultants (06/01/95-04/18/02). Previous consultant did not provide groundwater flow direction or gradient measurements for monitoring events occurring 07/17/90 through 05/05/94. URS has not verified the accuracy of this information.

Table 4
Groundwater Analytical Data
Volatile and Semivolatile Organic Compounds

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

Well Number	Date Sampled	VOCs by EPA Method 601/8010 or 624/8240							SemiVOCs by EPA Method 3520/8270				
		Methylene Chloride (µg/L)	1,2-DCA (µg/L)	1,1 DCA (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	2-Methyl naphthalene (µg/L)	Bis (2-ethylhexyl) Phthalate (µg/L)	2,4-Di methyl-phenol (µg/L)	Phenol (µg/L)
MW-1	07/18/90	Not sampled: well contained floating product											
	10/15/90	Not sampled: well contained floating product											
	01/09/91	Not sampled: well contained floating product											
	04/16/91	Not sampled: well contained floating product											
	06/10/91	Not sampled: well contained floating product											
	10/10/91	Not sampled: well contained floating product											
	03/23/92	Not sampled: well contained floating product											
	06/08/92	Not sampled: well contained floating product											
	09/15/92	Not sampled: well contained floating product											
	11/16/92	Not sampled: well contained floating product											
	02/16/93	Not sampled: well contained floating product											
	05/13/93	Not sampled: well contained floating product											
	08/17/93	Not sampled: well contained floating product											
	11/08/93	Not sampled: well contained floating product											
	02/14/94	Not sampled: well contained floating product											
	05/05/94	Not sampled: well contained floating product											
	08/04/94	Not sampled: well contained floating product											
	11/20/94	Not sampled: well contained floating product											
	03/17/95	NA	NA	NA	NA	NA	NA	NA	1,300	730	<50	150	NA
	06/01/95	NA	NA	NA	NA	NA	NA	NA	2,200	1,700	<100	<100	240
	08/31/95	Not sampled: well contained floating product											
	11/27/95	Not sampled: well contained floating product											
	02/22/96	Not sampled: well contained floating product											
	05/20/96	NA	NA	NA	NA	NA	NA	NA	1,200	860	<50	<50	<50
	08/26/96	NA	NA	NA	NA	NA	NA	NA	2,300	1,800	<500	<1,000	<500
	11/20/96	NA	NA	NA	NA	NA	NA	NA	590	250	91	<100	<50
	03/24/97	NA	NA	NA	NA	NA	NA	NA	730	610	<50	<100	<50

Table 4
Groundwater Analytical Data
Volatile and Semivolatile Organic Compounds

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

Well Number	Date Sampled	VOCs by EPA Method 801/8010 or 624/8240							SemiVOCs by EPA Method 3520/8270				
		Methylene Chloride (µg/L)	1,2-DCA (µg/L)	1,1 DCA (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	2-Methyl naphthalene (µg/L)	Bis (2-ethylhexyl) Phthalate (µg/L)	2,4-Di methyl-phenol (µg/L)	Phenol (µg/L)
MW-1	05/23/97	Not analyzed: well MW-8 was sampled for additional parameters in lieu of well MW-1											
cont.	08/19/97	NA	NA	NA	NA	NA	NA	NA	1,300	790	<50	<100	<50
	11/19/97	NA	NA	NA	NA	NA	NA	NA	<5	<5	5	<10	<5
	02/19/98	NA	NA	NA	NA	NA	NA	NA	870	330	<50	<100	<50
	04/23/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/27/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/14/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/21/99	NA	NA	NA	NA	NA	NA	NA	950	580	<50	<100	<50
	05/06/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/23/99	NA	NA	NA	NA	NA	NA	NA	1,200	400	<50	<100	<50
	10/28/99	NA	NA	NA	NA	NA	NA	NA	1,100	320	<50	<100	<50
	02/04/00	NA	NA	NA	NA	NA	NA	NA	780	330	<50	<100	<50
	04/07/03	NA	NA	NA	NA	NA	NA	NA	700	260	<9.6	ND (a)	<4.8
	08/07/03	NA	NA	NA	NA	NA	NA	NA	1,100	360	<47	<47	<24
	10/23/03	NA	NA	NA	NA	NA	NA	NA	1,100	370	<48	<48	<24
	01/12/04	NA	NA	NA	NA	NA	NA	NA	1,000	330	62	<24	<24
	04/20/04	NA	NA	NA	NA	NA	NA	NA	1,200	440	140	<9.8	<9.8
	07/01/04	NA	NA	NA	NA	NA	NA	NA	580	240	66	<51	<25
MW-2	07/18/90	39	ND	ND	3,200	2,400	270	2,900	340	170	ND	ND	NA
	10/15/90	18	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/09/91	ND	6.5	ND	1,700	1,200	370	2,400	NA	NA	NA	NA	NA
	04/16/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/91	ND	1.7	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/23/92	Not analyzed: sampling for additional parameters was discontinued											
MW-8	06/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/23/92	ND	ND	ND	23	<5.0*	450	23	NA	NA	NA	NA	NA
	06/08/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/92	ND	ND	ND	NA	NA	NA	NA	ND	ND	6	ND	NA
	11/16/92	ND	ND	ND	NA	NA	NA	NA	32	ND	ND	ND	NA
	02/16/93	ND	ND	ND	NA	NA	NA	NA	730	130	ND	ND	NA

Table 4
Groundwater Analytical Data
Volatile and Semivolatile Organic Compounds

ARCO Service Station #0601
712 Lewelling Blvd
San Leandro, California

Well Number	Date Sampled	VOCs by EPA Method 601/8010 or 624/8240							SemiVOCs by EPA Method 3520/8270				
		Methylene Chloride (µg/L)	1,2-DCA (µg/L)	1,1 DCA (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	2-Methyl naphthalene (µg/L)	Bis (2-ethylhexyl) Phthalate (µg/L)	2,4-Di methyl-phenol (µg/L)	Phenol (µg/L)
MW-8	05/13/93	ND	ND	ND	NA	NA	NA	NA	97	20	ND	ND	NA
cont.	08/17/93	ND	ND	ND	NA	NA	NA	NA	26	ND	ND	ND	NA
	11/08/93	ND	ND	ND	NA	NA	NA	NA	20	ND	19	ND	NA
	02/14/94	NA	NA	NA	NA	NA	NA	NA	350	65	ND	ND	NA
	05/05/94	<0.5	<0.5	0.7	NA	NA	NA	NA	23	<10	<10	ND	NA
	08/04/94	NA	NA	NA	NA	NA	NA	NA	11	<10	10	ND	NA
	12/13/94	NA	NA	NA	NA	NA	NA	NA	14	<10	14	ND	NA
	03/17/95	Not Analyzed: well MW-1 was sampled for additional parameters in lieu of well MW-8											
	08/31/95	NA	NA	NA	NA	NA	NA	NA	62	8	<5	<5	<5
	11/27/95	NA	NA	NA	NA	NA	NA	NA	15	<5	<5	<5	<5
	03/14/96	NA	NA	NA	NA	NA	NA	NA	400	55	<50	<50	<50
	05/23/97	NA	NA	NA	NA	NA	NA	NA	26	<5	<5	<10	<5
	04/07/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

< = Not detected at or above laboratory reporting limit

mg/L = Micrograms per liter

NA = Not analyzed, not applicable, or not available

ND = Not detected at or above laboratory reporting limits

* Method reporting limit was raised due to high analyte concentration requiring sample dilution or matrix interference.

a. Sample was ND for 2-Methylphenol and ND for 4-Methylphenol. Analysis not performed for 2,4-Dimethylphenol.

Source: The data within this table was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

ATTACHMENT A
FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear TeflonTM bailer or an oil-water interface probe.

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

WELL GAUGING DATA

Project # 040701-DA1

Date 7/1/04

Client Arco #601

Site 712 Lowelling Blvd. San Leandro, CA

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	NPE
MW-1	4	0				9.31	11.10	TOC	7'
* MW-2	4					8.96	10.34		P
* MW-3	4					7.76	11.97		8
MW-4	4					7.78	8.51		-
* MW-5	4					8.62	10.08		-
MW-6	4					DRY	8.60		-
MW-7	4					DRY	9.60		-
* MW-8	4		During initial gauging Parked over			8.48	10.22		-
MW-9	2					9.03	16.24		P
MW-10	2					8.90	18.66		-
MW-11	4					9.40	11.88		P
MW-12	4					9.65	11.62		P
MW-13	2					8.71	13.00		P
MW-14	2					10.03	12.96		7.5
MW-15	2					7.18	10.09	↓	P
* Gauged w/ ORCS in well									

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040701-DA1</u>	Station # <u>Arco #601</u>
Sampler: <u>DA</u>	Date: <u>7/1/04</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>11.10</u>	Depth to Water: <u>9.31</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVD</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

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

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

Top of Screen: 7' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1 Case Volume (Gals.)	X	<u>No Purge</u> Specified Volumes	=	_____ Gals. Calculated Volume
-----------------------	---	--------------------------------------	---	----------------------------------

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>1032</u>	<u>71.1</u>	<u>6.7</u>	<u>1667</u>	—	<u>odor, sheen</u>

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 1035 Sampling Date: 7/1/04

Sample I.D.: MW-1 Laboratory: Pace Sedgwick Other: _____

Analyzed for: GRO BTEX MTBE DRO Other: SVOL, see COC

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040701-DA1</u>	Station # <u>Arco #601</u>
Sampler: <u>DA</u>	Date: <u>7/1/04</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>10.34</u>	Depth to Water: <u>8.96</u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

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

Sampling Method: Bailer
☒ Disposable Bailer
 Extraction Port
 Other:

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

<u>1.4</u>	x	<u>3</u>	=	<u>4.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>well dewatered before 1st casing volume</u>					
<u>1424</u>	<u>73.0</u>	<u>6.9</u>	<u>1433</u>	—	<u>clear DTW = 9.04 90% = 9.24</u>

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: 1420 Sampling Date: 7/1/04

Sample I.D.: MW-2 (M5/M5D) Laboratory: Pace Sequim Other:

Analyzed for: GRO BTEX MTBB DRO Other: see CCL

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

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040701-D41</u>	Station # <u>Arco #601</u>
Sampler: <u>DA</u>	Date: <u>7/1/04</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>11.97</u>	Depth to Water: <u>7.76</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>YSD</u> Grade	D.O. Meter (if req'd): <u>YSD</u> HACH

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

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

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

Top of Screen: 8' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>2.7</u>	x	<u>3</u>	=	<u>8.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1324	71.1	7.2	1021	3	clear, slight odor, green
1325	71.7	7.3	1011	6	"
1327	71.7	7.4	1022	8.5	"

Did well dewater? Yes ☒ No ☒		Gallons actually evacuated: <u>8.5</u>	
Sampling Time: <u>1330</u>		Sampling Date: <u>7/1/04</u>	
Sample I.D.: <u>MW-3</u>		Laboratory: Pace <u>sequoia</u> Other _____	
Analyzed for: <u>GRO BTEX MTBE</u> DRO Other: _____			
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: <u>2.3</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040701-DA1	Station # Arco #601
Sampler: DA	Date: 7/1/04
Well I.D.: MW-4	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 8.51	Depth to Water: 7.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVO 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.

_____	x	No Purge	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1000	67.8	7.0	1446	—	clear; slight odor

Did well dewater? Yes ☒ No ☐		Gallons actually evacuated: _____	
Sampling Time: 1000		Sampling Date: 7/1/04	
Sample I.D.: MW-4		Laboratory: Pace <u>Section</u> Other _____	
Analyzed for: <u>CRO</u> <u>BTEX</u> <u>MTBE</u> DRO Other: <u>see COC</u>			
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: 1.4 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: 490 mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040701-DA1</u>	Station # <u>Arco #601</u>
Sampler: <u>DA</u>	Date: <u>7/1/04</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>10.09</u>	Depth to Water: <u>8.62</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>CVE</u> Grade	D.O. Meter (if req'd): <u>YST</u> HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	<u>4"</u>	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.

_____	x	<u>No Purge</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>0927</u>	<u>68.6</u>	<u>8.5</u>	<u>1772</u>	—	<u>clear</u>

Did well dewater? Yes ☒ No ☐ Gallons actually evacuated: —

Sampling Time: 0930 Sampling Date: 7/1/04

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

Analyzed for: GRO BTEX MTBE DRO Other: see GC

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	10.6 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	10.6 mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040701-DA1	Station # Arco #601
Sampler: DA	Date: 7/1/04
Well I.D.: Mw-6	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 8.60	Depth to Water: 0.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	<u>4"</u>	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.

_____	x	<u>No Purge</u>	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					<u>Well dry. No sample taken</u>

Did well dewater? Yes ☒ No ☐		Gallons actually evacuated: _____	
Sampling Time: _____		Sampling Date: _____	
Sample I.D.: _____		Laboratory: Pace Sequoia Other _____	
Analyzed for: GRO BTEX MTBE DRO Other: _____			
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040701-DG1	Station # Arco #601
Sampler: DA	Date: 7/1/04
Well I.D.: MW-7	Well Diameter: 2 3 4 6 8
Total Well Depth: 9.60	Depth to Water: DRY
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.

1 Case Volume (Gals.)	x	No Purge Specified Volumes	=	Gals. Calculated Volume
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Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
			Well Dry:	No sample taken	

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Pace Sequoia Other	
Analyzed for: GRO BTEX MTBE DRO Other:			
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040701-DA1</u>	Station # <u>Arco #601</u>
Sampler: <u>DA</u>	Date: <u>7/1/04</u>
Well I.D.: <u>MW-8</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth: <u>10.22</u>	Depth to Water: <u>8.48</u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): <u>EST</u> HACH

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

Purge Method:

☐ Bailer
☐ Disposable Bailer
☐ Positive Air Displacement
☐ Electric Submersible
☐ Extraction Pump
 Other:

Sampling Method:

☐ Bailer
☒ Disposable Bailer
☐ Extraction Port
 Other:

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

<u> </u> 1 Case Volume (Gals.)	x	<u>No Purge</u> Specified Volumes	=	<u> </u> Calculated Volume	Gals.
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Time	Temp (°F)	pH	Conductivity (mS or <u>US</u>)	Gals. Removed	Observations
<u>1455</u>	<u>70.8</u>	<u>8.0</u>	<u>2116</u>	<u>—</u>	<u>clear</u>

Did well dewater? Yes ☒ No ☐	Gallons actually evacuated: <u> </u>
Sampling Time: <u>1458</u> <u>MW-8, DA</u>	Sampling Date: <u>7/1/04</u>
Sample I.D.: <u>MW-8</u>	Laboratory: Pace <u>Sequoia</u> Other <u> </u>
Analyzed for: <u>CRO</u> <u>BTEX</u> <u>MTBE</u> DRO Other: <u> </u>	

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>14.3</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040701-DA1</u>	Station # <u>Arco #601</u>
Sampler: <u>DA</u>	Date: <u>7/1/04</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>16.24</u>	Depth to Water: <u>9.03</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVP)</u> Grade	D.O. Meter (if req'd): <u>(YST)</u> HACH

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

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

Sampling Method: Bailer
☒ Disposable Bailer
 Extraction Port
 Other:

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

<u>1.2</u>	x	<u>3</u>	=	<u>3.6</u>	Gals.
1-Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>1404</u>	<u>70.3</u>	<u>7.0</u>	<u>1046</u>	<u>1.25</u>	<u>cloudy</u>
<u>1404</u>	<u>69.6</u>	<u>7.0</u>	<u>1075</u>	<u>2.5</u>	<u>"</u>
<u>1407</u>	<u>69.4</u>	<u>6.9</u>	<u>1094</u>	<u>4</u>	<u>"</u>

Did well dewater? Yes (NO) Gallons actually evacuated: 4

Sampling Time: 1410 Sampling Date: 7/1/04

Sample I.D.: MW-9 Laboratory: Pace (Sequid) Other

Analyzed for: (GRO BTEX MTBE) DRO Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	<u>1.3</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040701-DA1	Station # Arco # 601
Sampler: DA	Date: 7/1/04
Well I.D.: MW-10	Well Diameter: ② 3 4 6 8
Total Well Depth: 18.66	Depth to Water: 8.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YST</u> HACH

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

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

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

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

1 Case Volume (Gals.)	x <u>No Purge</u> Specified Volumes	= _____ Gals. Calculated Volume
-----------------------	--	------------------------------------

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1112	68.8	7.1	1184	—	cloudy

Did well dewater? Yes ☒ No		Gallons actually evacuated: —	
Sampling Time: 1100 1115		Sampling Date: 7/1/04	
Sample I.D.: MW-10		Laboratory: Pace <u>Sequoia</u> Other: _____	
Analyzed for: <u>GRO BTEX MTBE</u> DRO Other: _____			
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: 1.0 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: 100 28 mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040701-DA1	Station # Arco ^{II} 601
Sampler: DA	Date: 7/1/04
Well I.D.: MW-11	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 11.88	Depth to Water: 9.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): <u>ESI</u> HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	<u>4"</u>	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.

1.3	x	3	=	3.9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1251	72.2	7.0	1332	1.5	cloudy
1255	72.1	7.1	1336	3	"
1255	well dewatered @ 3 g.				
1437	71.5	7.01	1344	—	DTW = 10.01 80% = 10.29

Did well dewater? ☒ Yes ☐ No Gallons actually evacuated: 3

Sampling Time: 1440 Sampling Date: 7/1/04

Sample I.D.: MW-11 Laboratory: Pace Sequon Other: _____

Analyzed for: CRO BTEX MTBB DRO Other: _____

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:	1.8 mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040701-DA1	Station # Arco #601
Sampler: DA	Date: 7/1/04
Well I.D.: MW-12	Well Diameter: 2 3 4 6 8
Total Well Depth: 11.62	Depth to Water: 9.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVT Grade	D.O. Meter (if req'd): YSD 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.

1.3	x	3	=	3.9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1228	72.0	6.9	1329	1.5	cloudy
1231	72.3	6.9	1318	3	"
1234	72.4	7.0	1315	4	"

Did well dewater? Yes ☒ No		Gallons actually evacuated: 4	
Sampling Time: 1237		Sampling Date: 7/1/04	
Sample I.D.: MW-12		Laboratory: Pace Seguine Other: _____	
Analyzed for: GRO BTEX MTBE DRO Other: _____			
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 #: 040701-DA1	Station # Arco #601
Sampler: DA	Date: 7/1/04
Well I.D.: Mw-13	Well Diameter: ② 3 4 6 8
Total Well Depth: 13.00	Depth to Water: 8.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSP 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.

0.7	x	3	=	2.1	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1156	68.6	6.8	1428	1	cloudy
1156	68.3	6.8	1441	2	"
1200	69.6	6.9	1444	2.5	"

Did well dewater? Yes ☒ No		Gallons actually evacuated: 2.5	
Sampling Time: 1203		Sampling Date: 7/1/04	
Sample I.D.: Mw-13		Laboratory: Pace Sequoia Other _____	
Analyzed for: GRO BTEX MTBE DRO Other: _____			
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: 2.4 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040701-DA1</u>	Station # <u>Arco # 601</u>
Sampler: <u>DA</u>	Date: <u>6:30A 7/1/04</u>
Well I.D.: <u>MW-14</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>12.96</u>	Depth to Water: <u>10.03</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): <u>YSP</u> HACH

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

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

Sampling Method: Bailer
~~Disposable Bailer~~
Extraction Port
 Other:

Top of Screen: 7.5' If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1 Case Volume (Gals.)	x <u>No Purge</u>	= <u> </u> Gals.
	Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>0841</u>	<u>67.7</u>	<u>6.7</u>	<u>1606</u>	<u>—</u>	<u>clear</u>

Did well dewater? Yes <u>(No)</u>		Gallons actually evacuated: <u>—</u>	
Sampling Time: <u>0845</u>		Sampling Date: <u>7/1/04</u>	
Sample I.D.: <u>MW-14</u>		Laboratory: Pace <u>Sequela</u> Other <u> </u>	
Analyzed for: <u>GRO BTEX MTBE</u> DRO Other: <u>See COC</u>			
D.O. (if req'd):	Pre-purge:	<u> </u> mg/L	Post-purge: <u>1.6</u> mg/L
O.R.P. (if req'd):	Pre-purge:	<u> </u> mV	Post-purge: <u> </u> mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040701-041</u>	Station # <u>Arco #601</u>
Sampler: <u>0A</u>	Date: <u>7/1/04</u>
Well I.D.: <u>Mw-15</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>10.09</u>	Depth to Water: <u>7.18</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YS</u> HACH

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

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

Sampling Method: Bailer
☒ Disposable Bailer
 Extraction Port
 Other:

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

<u>0.5</u>	x	<u>3</u>	=	<u>1.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1345	69.0	7.6	502	0.5	brown; cloudy
1347	68.7	7.3	505	1	"
1349	68.7	7.3	516	1.5	"

Did well dewater? Yes ☒ No		Gallons actually evacuated: <u>1.5</u>	
Sampling Time: <u>1352</u>		Sampling Date: <u>7/1/04</u>	
Sample I.D.: <u>Mw-15</u>		Laboratory: Pace <u>Sequoia</u> Other: <u> </u>	
Analyzed for: <u>GRO BTEX MTBE</u> DRO Other: <u>see coc</u>			
D.O. (if req'd):	Pre-purge:	<u> </u> mg/L	Post-purge: <u>1.6</u> mg/L
O.R.P. (if req'd):	Pre-purge:	<u> </u> mV	Post-purge: <u> </u> 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:

Arco # 601

Station #

772 712 Lewelling Blvd. San Leandro, CA

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

23.5

added equip. 5
rinse water

any other
adjustments

TOTAL GALS.
RECOVERED 28.5

loaded onto
BTS vehicle # 49

BTS event #

time date

040701-DA1

1540

7/1/04

signature

David A. Holt

REC'D AT

time

date

unloaded by
signature

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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



29 July, 2004

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

RE: ARCO #0601, San Leandro, CA
Work Order: MNG0072

Enclosed are the results of analyses for samples received by the laboratory on 07/02/04 13:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210



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

Project: ARCO #0601, San Leandro, CA
Project Number: INTRIM-50677
Project Manager: Scott Robinson

MNG0072
Reported:
07/29/04 08:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MNG0072-01	Water	07/01/04 10:35	07/02/04 13:15
MW-2	MNG0072-02	Water	07/01/04 14:26	07/02/04 13:15
MW-3	MNG0072-03	Water	07/01/04 13:30	07/02/04 13:15
MW-4	MNG0072-04	Water	07/01/04 10:00	07/02/04 13:15
MW-5	MNG0072-05	Water	07/01/04 09:30	07/02/04 13:15
MW-8	MNG0072-06	Water	07/01/04 14:58	07/02/04 13:15
MW-11	MNG0072-07	Water	07/01/04 14:40	07/02/04 13:15
MW-12	MNG0072-08	Water	07/01/04 12:37	07/02/04 13:15
MW-13	MNG0072-09	Water	07/01/04 12:03	07/02/04 13:15
MW-14	MNG0072-10	Water	07/01/04 08:45	07/02/04 13:15
MW-15	MNG0072-11	Water	07/01/04 13:52	07/02/04 13:15
TB-601-040104	MNG0072-12	Water	07/01/04 00:00	07/02/04 13:15
MW-9	MNG0072-13	Water	07/01/04 14:10	07/02/04 13:15
MW-10	MNG0072-14	Water	07/01/04 11:15	07/02/04 13:15

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

These samples were received with intact custody seals.

MS/MSD is reported for all batches in which the laboratory received sufficient sample volume to perform the MS/MSD analysis. In the case where there was insufficient sample volume received for all samples associated in the batch, LCS/LCSD is analyzed in place of the MS/MSD.



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

Project: ARCO #0601, San Leandro, CA
Project Number: INTRIM-50677
Project Manager: Scott Robinson

MNG0072
Reported:
07/29/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-1 (MNG0072-01) Water Sampled: 07/01/04 10:35 Received: 07/02/04 13:15

tert-Amyl methyl ether	ND	10	ug/l	20	4G13002	07/13/04	07/13/04	EPA 8260B	
Benzene	830	10	"	"	"	"	"	"	
tert-Butyl alcohol	ND	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Ethanol	ND	2000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	580	10	"	"	"	"	"	"	
Methyl tert-butyl ether	100	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	11	10	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	9700	1000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4									
		85 %	78-129		"	"	"	"	

MW-2 (MNG0072-02) Water Sampled: 07/01/04 14:26 Received: 07/02/04 13:15

tert-Amyl methyl ether	15	0.50	ug/l	1	4G13002	07/13/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	28	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	72	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	72	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4									
		88 %	78-129		"	"	"	"	

Sequoia Analytical - Morgan Hill

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



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

Project: ARCO #0601, San Leandro, CA
Project Number: INTRIM-50677
Project Manager: Scott Robinson

MNG0072
Reported:
07/29/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-3 (MNG0072-03) Water Sampled: 07/01/04 13:30 Received: 07/02/04 13:15

tert-Amyl methyl ether	ND	50	ug/l	100	4G13002	07/13/04	07/13/04	EPA 8260B	
Benzene	190	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	1300	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Toluene	190	50	"	"	"	"	"	"	
Xylenes (total)	6300	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	33000	5000	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 84 % 78-129 " " " "

MW-4 (MNG0072-04) Water Sampled: 07/01/04 10:00 Received: 07/02/04 13:15

tert-Amyl methyl ether	ND	2.5	ug/l	5	4G13002	07/13/04	07/13/04	EPA 8260B	
Benzene	150	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	16	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	15	2.5	"	"	"	"	"	"	
Toluene	5.2	2.5	"	"	"	"	"	"	
Xylenes (total)	260	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	1800	250	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 91 % 78-129 " " " "



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MNG0072
Reported:
07/29/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MNG0072-05) Water Sampled: 07/01/04 09:30 Received: 07/02/04 13:15									
tert-Amyl methyl ether	2.0	0.50	ug/l	1	4G13002	07/13/04	07/13/04	EPA 8260B	
Benzene	0.56	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	11	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		84 %	78-129		"	"	"	"	
MW-8 (MNG0072-06) Water Sampled: 07/01/04 14:58 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G12010	07/12/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	2.1	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	78-129		"	"	"	"	



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Reported:
07/29/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MNG0072-07) Water Sampled: 07/01/04 14:40 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G12010	07/12/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		106 %	78-129	"	"	"	"	"	
MW-12 (MNG0072-08) Water Sampled: 07/01/04 12:37 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G12010	07/12/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		103 %	78-129	"	"	"	"	"	



URS Corporation [Arco]
1333 Broadway, Suite 800
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Project Manager: Scott Robinson

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Reported:
07/29/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-13 (MNG0072-09) Water Sampled: 07/01/04 12:03 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G12010	07/12/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	78-129	"	"	"	"	"	
MW-14 (MNG0072-10) Water Sampled: 07/01/04 08:45 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G12010	07/12/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	78-129	"	"	"	"	"	



URS Corporation [Arco]
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Oakland CA, 94612

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Project Manager: Scott Robinson

MNG0072
Reported:
07/29/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-15 (MNG0072-11) Water Sampled: 07/01/04 13:52 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G13002	07/13/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	1.9	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91 %	78-129	"	"	"	"	"	
MW-9 (MNG0072-13) Water Sampled: 07/01/04 14:10 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G13002	07/13/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	3.2	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		84 %	78-129	"	"	"	"	"	



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MNG0072
Reported:
07/29/04 08:33

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MNG0072-14) Water Sampled: 07/01/04 11:15 Received: 07/02/04 13:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4G13002	07/13/04	07/13/04	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	2.1	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	"	"	"	"	"	



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MNG0072
Reported:
07/29/04 08:33

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MNG0072-01) Water Sampled: 07/01/04 10:35 Received: 07/02/04 13:15									
Acenaphthene	ND	25	ug/l	5	4G08021	07/08/04	07/28/04	EPA 8270C	
Acenaphthylene	ND	25	"	"	"	"	"	"	
Anthracene	ND	25	"	"	"	"	"	"	
Benzo (a) anthracene	ND	25	"	"	"	"	"	"	
Benzo (a) pyrene	ND	25	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	25	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	51	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	25	"	"	"	"	"	"	
Benzoic acid	ND	51	"	"	"	"	"	"	
Benzyl alcohol	ND	51	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	25	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	51	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	25	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	66	51	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	25	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	25	"	"	"	"	"	"	
4-Chloroaniline	ND	250	"	"	"	"	"	"	
2-Chloronaphthalene	ND	25	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	25	"	"	"	"	"	"	
2-Chlorophenol	ND	25	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	51	"	"	"	"	"	"	
Chrysene	ND	25	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	25	"	"	"	"	"	"	
Dibenzofuran	ND	25	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	25	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	51	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	51	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	51	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	250	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	25	"	"	"	"	"	"	
Diethyl phthalate	ND	25	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	51	"	"	"	"	"	"	
Dimethyl phthalate	ND	25	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	25	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	51	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	25	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	25	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	51	"	"	"	"	"	"	
Fluoranthene	ND	25	"	"	"	"	"	"	
Fluorene	ND	25	"	"	"	"	"	"	

Sequoia Analytical - Morgan Hill

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Project Number: INTRIM-50677
Project Manager: Scott Robinson

MNG0072
Reported:
07/29/04 08:33

Semivolatile Organic Compounds by EPA Method 8270C
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MNG0072-01) Water Sampled: 07/01/04 10:35 Received: 07/02/04 13:15									
Hexachlorobenzene	ND	25	ug/l	5	4G08021	07/08/04	07/28/04	EPA 8270C	
Hexachlorobutadiene	ND	51	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	51	"	"	"	"	"	"	
Hexachloroethane	ND	51	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	51	"	"	"	"	"	"	
Isophorone	ND	25	"	"	"	"	"	"	
2-Methylnaphthalene	240	25	"	"	"	"	"	"	
2-Methylphenol	ND	25	"	"	"	"	"	"	
4-Methylphenol	ND	25	"	"	"	"	"	"	
Naphthalene	580	25	"	"	"	"	"	"	
2-Nitroaniline	ND	51	"	"	"	"	"	"	
3-Nitroaniline	ND	510	"	"	"	"	"	"	
4-Nitroaniline	ND	250	"	"	"	"	"	"	
Nitrobenzene	ND	25	"	"	"	"	"	"	
2-Nitrophenol	ND	25	"	"	"	"	"	"	
4-Nitrophenol	ND	51	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	25	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	51	"	"	"	"	"	"	
Pentachlorophenol	ND	51	"	"	"	"	"	"	
Phenanthrene	ND	25	"	"	"	"	"	"	
Phenol	ND	25	"	"	"	"	"	"	
Pyrene	ND	25	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	51	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	25	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	25	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		31 %	31-73		"	"	"	"	
Surrogate: Phenol-d6		23 %	24-48		"	"	"	"	
Surrogate: Nitrobenzene-d5		68 %	66-107		"	"	"	"	S02
Surrogate: 2-Fluorobiphenyl		69 %	61-110		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		45 %	46-110		"	"	"	"	
Surrogate: p-Terphenyl-d14		74 %	63-136		"	"	"	"	S02



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

Project: ARCO #0601, San Leandro, CA
Project Number: INTRIM-50677
Project Manager: Scott Robinson

MNG0072
Reported:
07/29/04 08:33

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 4G12010 - EPA 5030B P/T										
Blank (4G12010-BLK1)				Prepared & Analyzed: 07/12/04						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	5.05		"	5.00		101	78-129			
Laboratory Control Sample (4G12010-BS1)				Prepared & Analyzed: 07/12/04						
tert-Amyl methyl ether	8.78	0.50	ug/l	10.0		88	56-140			
Benzene	8.85	0.50	"	10.0		88	78-124			
tert-Butyl alcohol	58.1	20	"	50.0		116	0-206			
Di-isopropyl ether	8.09	0.50	"	10.0		81	76-130			
1,2-Dibromoethane (EDB)	7.95	0.50	"	10.0		80	77-132			
1,2-Dichloroethane	7.69	0.50	"	10.0		77	77-136			
Ethanol	216	100	"	200		108	31-186			
Ethyl tert-butyl ether	7.72	0.50	"	10.0		77	61-141			
Ethylbenzene	8.28	0.50	"	10.0		83	84-117			
Methyl tert-butyl ether	7.85	0.50	"	10.0		78	63-137			QC02
Toluene	9.06	0.50	"	10.0		91	78-129			
Xylenes (total)	26.9	0.50	"	30.0		90	83-125			
Surrogate: 1,2-Dichloroethane-d4	4.74		"	5.00		95	78-129			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4G12010 - EPA 5030B P/T

Laboratory Control Sample (4G12010-BS2)

Prepared & Analyzed: 07/12/04

Benzene	5.40	0.50	ug/l	6.40		84	78-124		
Ethylbenzene	7.27	0.50	"	6.96		104	84-117		
Methyl tert-butyl ether	7.65	0.50	"	9.92		77	63-137		
Toluene	33.8	0.50	"	29.7		114	78-129		
Xylenes (total)	39.8	0.50	"	33.7		118	83-125		
Gasoline Range Organics (C4-C12)	399	50	"	440		91	70-124		
Surrogate: 1,2-Dichloroethane-d4	4.95		"	5.00		99	78-129		

Laboratory Control Sample Dup (4G12010-BSD1)

Prepared & Analyzed: 07/12/04

tert-Amyl methyl ether	9.58	0.50	ug/l	10.0		96	56-140	9	12	
Benzene	9.02	0.50	"	10.0		90	78-124	2	12	
tert-Butyl alcohol	44.3	20	"	50.0		89	0-206	27	22	QC21
Di-isopropyl ether	8.60	0.50	"	10.0		86	76-130	6	9	
1,2-Dibromoethane (EDB)	8.94	0.50	"	10.0		89	77-132	12	9	QC21
1,2-Dichloroethane	8.12	0.50	"	10.0		81	77-136	5	13	
Ethanol	185	100	"	200		92	31-186	15	37	
Ethyl tert-butyl ether	8.42	0.50	"	10.0		84	61-141	9	9	
Ethylbenzene	8.05	0.50	"	10.0		80	84-117	3	10	QC02
Methyl tert-butyl ether	8.92	0.50	"	10.0		89	63-137	13	13	
Toluene	8.97	0.50	"	10.0		90	78-129	1	10	
Xylenes (total)	25.7	0.50	"	30.0		86	83-125	5	11	
Surrogate: 1,2-Dichloroethane-d4	5.14		"	5.00		103	78-129			

Matrix Spike (4G12010-MS1)

Source: MNG0055-06

Prepared & Analyzed: 07/12/04

Benzene	8.79	0.50	ug/l	6.40	3.8	78	78-124		
Ethylbenzene	7.10	0.50	"	6.96	0.29	98	84-117		
Methyl tert-butyl ether	28.4	0.50	"	9.92	15	135	63-137		
Toluene	34.3	0.50	"	29.7	0.13	115	78-129		
Xylenes (total)	38.8	0.50	"	33.7	ND	115	83-125		
Gasoline Range Organics (C4-C12)	835	50	"	440	500	76	70-124		
Surrogate: 1,2-Dichloroethane-d4	5.32		"	5.00		106	78-129		

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4G12010 - EPA 5030B P/T

Matrix Spike Dup (4G12010-MSD1)	Source: MNG0055-06			Prepared & Analyzed: 07/12/04						
Benzene	8.64	0.50	ug/l	6.40	3.8	76	78-124	2	12	QM02
Ethylbenzene	6.99	0.50	"	6.96	0.29	96	84-117	2	10	
Methyl tert-butyl ether	20.0	0.50	"	9.92	15	50	63-137	35	13	QC20, QM02
Toluene	33.8	0.50	"	29.7	0.13	113	78-129	1	10	
Xylenes (total)	38.0	0.50	"	33.7	ND	113	83-125	2	11	
Gasoline Range Organics (C4-C12)	731	50	"	440	500	52	70-124	13	20	QM02
Surrogate: 1,2-Dichloroethane-d4	5.60		"	5.00		112	78-129			

Batch 4G13002 - EPA 5030B P/T

Blank (4G13002-BLK1)	Prepared & Analyzed: 07/13/04									
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	2.23		"	2.50		89	78-129			

Laboratory Control Sample (4G13002-BS1)	Prepared & Analyzed: 07/13/04									
tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	82-140			
Benzene	9.73	0.50	"	10.0		97	69-124			
tert-Butyl alcohol	52.4	20	"	50.0		105	56-131			
Di-isopropyl ether	10.5	0.50	"	10.0		105	76-130			
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0		105	77-132			
1,2-Dichloroethane	10.4	0.50	"	10.0		104	77-136			
Ethanol	192	100	"	200		96	31-143			
Ethyl tert-butyl ether	10.4	0.50	"	10.0		104	81-121			
Ethylbenzene	10.6	0.50	"	10.0		106	84-132			
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	63-137			

Sequoia Analytical - Morgan Hill

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07/29/04 08:33

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4G13002 - EPA 5030B P/T

Laboratory Control Sample (4G13002-BS1)

Prepared & Analyzed: 07/13/04

Toluene	9.87	0.50	ug/l	10.0		99	78-129		
Xylenes (total)	32.5	0.50	"	30.0		108	83-137		
Surrogate: 1,2-Dichloroethane-d4	2.11		"	2.50		84	78-129		

Laboratory Control Sample (4G13002-BS2)

Prepared & Analyzed: 07/13/04

Benzene	4.81	0.50	ug/l	6.40		75	69-124		
Ethylbenzene	7.33	0.50	"	6.96		105	84-132		
Methyl tert-butyl ether	8.92	0.50	"	9.92		90	63-137		
Toluene	28.4	0.50	"	29.7		96	78-129		
Xylenes (total)	36.5	0.50	"	33.7		108	83-137		
Gasoline Range Organics (C4-C12)	461	50	"	440		105	70-124		
Surrogate: 1,2-Dichloroethane-d4	2.21		"	2.50		88	78-129		

Laboratory Control Sample Dup (4G13002-BSD1)

Prepared & Analyzed: 07/13/04

tert-Amyl methyl ether	10.0	0.50	ug/l	10.0		100	82-140	6	20
Benzene	9.27	0.50	"	10.0		93	69-124	5	20
tert-Butyl alcohol	53.7	20	"	50.0		107	56-131	2	20
Di-isopropyl ether	10.0	0.50	"	10.0		100	76-130	5	20
1,2-Dibromoethane (EDB)	9.82	0.50	"	10.0		98	77-132	7	20
1,2-Dichloroethane	10.0	0.50	"	10.0		100	77-136	4	20
Ethanol	163	100	"	200		82	31-143	16	20
Ethyl tert-butyl ether	10.0	0.50	"	10.0		100	81-121	4	20
Ethylbenzene	9.93	0.50	"	10.0		99	84-132	7	20
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	63-137	0	20
Toluene	9.44	0.50	"	10.0		94	78-129	4	20
Xylenes (total)	30.4	0.50	"	30.0		101	83-137	7	20
Surrogate: 1,2-Dichloroethane-d4	2.19		"	2.50		88	78-129		



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Reported:
07/29/04 08:33

**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 4G13002 - EPA 5030B P/T										
Matrix Spike (4G13002-MS1)	Source: MNG0072-03			Prepared & Analyzed: 07/13/04						
Benzene	685	50	ug/l	640	190	77	69-124			
Ethylbenzene	2150	50	"	696	1300	122	84-132			
Methyl tert-butyl ether	931	50	"	992	19	92	63-137			
Toluene	3260	50	"	2970	190	103	78-129			
Xylenes (total)	10300	50	"	3370	6300	119	83-137			
Gasoline Range Organics (C4-C12)	80200	5000	"	44000	33000	107	70-124			CC01, QM01
Surrogate: 1,2-Dichloroethane-d4	2.22		"	2.50		89	78-129			
Matrix Spike Dup (4G13002-MSD1)	Source: MNG0072-03			Prepared & Analyzed: 07/13/04						
Benzene	645	50	ug/l	640	190	71	69-124	6	20	
Ethylbenzene	2110	50	"	696	1300	116	84-132	2	20	
Methyl tert-butyl ether	876	50	"	992	19	86	63-137	6	20	
Toluene	3140	50	"	2970	190	99	78-129	4	20	
Xylenes (total)	10200	50	"	3370	6300	116	83-137	1	20	
Gasoline Range Organics (C4-C12)	79600	5000	"	44000	33000	106	70-124	0.8	20	CC01, QM01
Surrogate: 1,2-Dichloroethane-d4	2.10		"	2.50		84	78-129			



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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4G08021 - EPA 3510C SepFunnel

Blank (4G08021-BLK1)

Prepared: 07/08/04 Analyzed: 07/19/04

Acenaphthene	ND	5.0	ug/l
Acenaphthylene	ND	5.0	"
Anthracene	ND	5.0	"
Benzo (a) anthracene	ND	5.0	"
Benzo (a) pyrene	ND	5.0	"
Benzo (b) fluoranthene	ND	5.0	"
Benzo (g,h,i) perylene	ND	10	"
Benzo (k) fluoranthene	ND	5.0	"
Benzoic acid	ND	10	"
Benzyl alcohol	ND	10	"
Bis(2-chloroethoxy)methane	ND	5.0	"
Bis(2-chloroethyl)ether	ND	10	"
Bis(2-chloroisopropyl)ether	ND	5.0	"
Bis(2-ethylhexyl)phthalate	ND	10	"
4-Bromophenyl phenyl ether	ND	5.0	"
Butyl benzyl phthalate	ND	5.0	"
4-Chloroaniline	ND	50	"
2-Chloronaphthalene	ND	5.0	"
4-Chloro-3-methylphenol	ND	5.0	"
2-Chlorophenol	ND	5.0	"
4-Chlorophenyl phenyl ether	ND	10	"
Chrysene	ND	5.0	"
Dibenz (a,h) anthracene	ND	5.0	"
Dibenzofuran	ND	5.0	"
Di-n-butyl phthalate	ND	5.0	"
1,2-Dichlorobenzene	ND	10	"
1,3-Dichlorobenzene	ND	10	"
1,4-Dichlorobenzene	ND	10	"
3,3'-Dichlorobenzidine	ND	50	"
2,4-Dichlorophenol	ND	5.0	"
Diethyl phthalate	ND	5.0	"
2,4-Dimethylphenol	ND	10	"
Dimethyl phthalate	ND	5.0	"
4,6-Dinitro-2-methylphenol	ND	5.0	"
2,4-Dinitrophenol	ND	10	"
2,4-Dinitrotoluene	ND	5.0	"

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07/29/04 08:33

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4G08021 - EPA 3510C SepFunnel

Blank (4G08021-BLK1)

Prepared: 07/08/04 Analyzed: 07/19/04

2,6-Dinitrotoluene	ND	5.0	ug/l							
Di-n-octyl phthalate	ND	10	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	5.0	"							
Hexachlorobenzene	ND	5.0	"							
Hexachlorobutadiene	ND	10	"							
Hexachlorocyclopentadiene	ND	10	"							
Hexachloroethane	ND	10	"							
Indeno (1,2,3-cd) pyrene	ND	10	"							
Isophorone	ND	5.0	"							
2-Methylnaphthalene	ND	5.0	"							
2-Methylphenol	ND	5.0	"							
4-Methylphenol	ND	5.0	"							
Naphthalene	ND	5.0	"							
2-Nitroaniline	ND	10	"							
3-Nitroaniline	ND	100	"							
4-Nitroaniline	ND	50	"							
Nitrobenzene	ND	5.0	"							
2-Nitrophenol	ND	5.0	"							
4-Nitrophenol	ND	10	"							
N-Nitrosodi-n-propylamine	ND	5.0	"							
N-Nitrosodiphenylamine	ND	10	"							
Pentachlorophenol	ND	10	"							
Phenanthrene	ND	5.0	"							
Phenol	ND	5.0	"							
Pyrene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	10	"							
2,4,5-Trichlorophenol	ND	5.0	"							
2,4,6-Trichlorophenol	ND	5.0	"							
Surrogate: 2-Fluorophenol	23.3		"	50.0		47	31-73			
Surrogate: Phenol-d6	18.3		"	50.0		37	24-48			
Surrogate: Nitrobenzene-d5	54.5		"	50.0		109	66-107			S01
Surrogate: 2-Fluorobiphenyl	57.1		"	50.0		114	61-110			S01
Surrogate: 2,4,6-Tribromophenol	37.9		"	50.0		76	46-110			
Surrogate: p-Terphenyl-d14	59.2		"	50.0		118	63-136			

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4G08021 - EPA 3510C SepFunnel

Laboratory Control Sample (4G08021-BS1)

Prepared: 07/08/04 Analyzed: 07/19/04

Acenaphthene	42.5	5.0	ug/l	50.0		85	64-110			
4-Chloro-3-methylphenol	47.3	5.0	"	50.0		95	66-112			
2-Chlorophenol	38.0	5.0	"	50.0		76	59-99			
1,4-Dichlorobenzene	29.4	10	"	50.0		59	52-93			
2,4-Dinitrotoluene	47.8	5.0	"	50.0		96	63-116			
4-Nitrophenol	14.2	10	"	50.0		28	14-66			
N-Nitrosodi-n-propylamine	44.0	5.0	"	50.0		88	61-109			
Pentachlorophenol	35.0	10	"	50.0		70	46-117			
Phenol	19.6	5.0	"	50.0		39	18-61			
Pyrene	47.2	5.0	"	50.0		94	62-123			
1,2,4-Trichlorobenzene	33.6	10	"	50.0		67	56-100			
Surrogate: 2-Fluorophenol	26.1		"	50.0		52	31-73			
Surrogate: Phenol-d6	19.9		"	50.0		40	24-48			
Surrogate: Nitrobenzene-d5	52.3		"	50.0		105	66-107			
Surrogate: 2-Fluorobiphenyl	52.4		"	50.0		105	61-110			
Surrogate: 2,4,6-Tribromophenol	50.9		"	50.0		102	46-110			
Surrogate: p-Terphenyl-d14	62.2		"	50.0		124	63-136			

Laboratory Control Sample Dup (4G08021-BS1)

Prepared: 07/08/04 Analyzed: 07/19/04

Acenaphthene	46.0	5.0	ug/l	50.0		92	64-110	8	20	
4-Chloro-3-methylphenol	49.8	5.0	"	50.0		100	66-112	5	20	
2-Chlorophenol	39.3	5.0	"	50.0		79	59-99	3	20	
1,4-Dichlorobenzene	31.4	10	"	50.0		63	52-93	7	20	
2,4-Dinitrotoluene	49.3	5.0	"	50.0		99	63-116	3	20	
4-Nitrophenol	14.5	10	"	50.0		29	14-66	2	20	
N-Nitrosodi-n-propylamine	46.9	5.0	"	50.0		94	61-109	6	20	
Pentachlorophenol	35.3	10	"	50.0		71	46-117	0.9	20	
Phenol	19.2	5.0	"	50.0		38	18-61	2	20	
Pyrene	47.8	5.0	"	50.0		96	62-123	1	20	
1,2,4-Trichlorobenzene	35.2	10	"	50.0		70	56-100	5	20	
Surrogate: 2-Fluorophenol	26.6		"	50.0		53	31-73			
Surrogate: Phenol-d6	20.0		"	50.0		40	24-48			
Surrogate: Nitrobenzene-d5	53.0		"	50.0		106	66-107			
Surrogate: 2-Fluorobiphenyl	57.9		"	50.0		116	61-110			
Surrogate: 2,4,6-Tribromophenol	54.6		"	50.0		109	46-110			S01
Surrogate: p-Terphenyl-d14	61.8		"	50.0		124	63-136			

Sequoia Analytical - Morgan Hill

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



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

Project: ARCO #0601, San Leandro, CA
Project Number: INTRIM-50677
Project Manager: Scott Robinson

MNG0072
Reported:
07/29/04 08:33

Notes and Definitions

- S02 The surrogate recovery was below control limits. The result may still be useful for its intended purpose.
- S01 The surrogate recovery was above control limits. The result may still be useful for its intended purpose.
- QM02 The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QM01 The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QC21 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QC20 The RPD was outside control limits. The results may still be useful for their intended purpose.
- QC02 The percent recovery was below the control limits. The sample results may still be useful for their intended purpose.
- CC01 The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



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

Project: ARCO #0601, San Leandro, CA
Project Number: INTRIM-50677
Project Manager: Scott Robinson

MNG0072
Reported:
07/29/04 08:33

EDF Notes and Definitions

Qualifier	LNote	LNote description
S02	LG	Surrogate recovery below the acceptance limits.
S01	LH	Surrogate recovery above the acceptance limits.
QM02	LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
QM01	LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
QC21	RB	RPD exceeded method control limit; % recoveries within limits.
QC20	BA	Relative percent difference out of control
QC02	HM	Analyte recovery below established limit
CC01	PE	Possible high bias due to CCV falling outside acceptance criteria



Chain of Custody Record

Project Name 601 GWM
BP BU/GEM CO Portfolio Retail

MNG0072

BP Laboratory Contract Number: Atlantic Richfield Company

Date: 7/1/04

Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time: <u>1500</u>	Temp: <u>67.8</u>
Off-site Time: <u>1530</u>	Temp: <u>68.1</u>
Sky Conditions: <u>clear</u>	
Meteorological Events: <u>-</u>	
Wind Speed: <u>10</u>	Direction: <u>SE</u>

Send To:	BP/GEM Facility No.: <u>ARCO 601</u>	Consultant/Contractor: <u>URS</u>
Lab Name: <u>SEQUOIA</u>	BP/GEM Facility Address: <u>712 Lewelling Blvd, San Leandro, CA</u>	Address: <u>1333 Broadway, Suite 800</u>
Lab Address: <u>885 Jarvis Dr.</u>	Site ID No. <u>ARCO 601</u>	<u>Oakland, CA 94612</u>
<u>Morgan Hill, CA 95037</u>	Site Lat/Long:	e-mail EDD: <u>donna.casper@URSCorp.com</u>
	California Global ID #: <u>T0600100108</u>	Consultant/Contractor Project No.: <u>15-00000601.01 00427</u>
Lab PM <u>Lisa Race</u>	BP/GEM PM Contact: <u>PAUL SUPPLE</u>	Consultant Tele/Fax: <u>510-893-3800/510-874-3268</u>
Tele/Fax: <u>408-776-9600 / 408-782-6308</u>	Address: <u>P.O. Box 6549</u>	Consultant/Contractor PM: <u>Scott Robinson</u>
Report Type & QC Level: <u>1 Send BDF Reports</u>	<u>Moraga, CA 94570</u>	Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one)
BP/GEM Account No.:	Tele/Fax: <u>925-299-8891/925-299-8872</u>	BP/GEM Work Release No: <u>INTRIM -50672</u>

Lab Bottle Order No:			Matrix				Laboratory No.	No. of containers	Preservatives					Requested Analysis										Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	GRO / BTEX (8015)	DROW/SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE (8260)	DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	SVOC's (8270)		
1	MW-1	1035	X				012 Amber	5	X			X				X	X	X	X	X		LOT HA 4128030		
2	MW-2	1426					02	6			X					X	X	X	X	X				
3	MW-3	1330					03	3				X				X	X	X	X	X				
4	MW-4	1000					04					X				X	X	X	X	X				
5	MW-5	0930					05					X				X	X	X	X	X				
6	MW-6	1458					06					X				X	X	X	X	X				
7	MW-7	1410					07					X				X	X	X	X	X				
8	MW-8	1440					08					X				X	X	X	X	X				
9	MW-9	1237					09					X				X	X	X	X	X				
10	MW-10	1203					10					X				X	X	X	X	X				

Sampler's Name: <u>David Allent</u>	Relinquished By / Affiliation: <u>David Allent / BTS</u>	Date: <u>7/2/04</u>	Time: <u>1130</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7/2/04</u>	Time: <u>1130</u>
Sampler's Company: <u>Blaine Tech</u>						
Shipment Date: <u>7/2/04</u>						
Shipment Method: <u>Truck</u>						
Shipment Tracking No:						

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

Is In Place Yes <u>X</u> No	Temperature Blank Yes <u>X</u> No	Cooler Temperature on Receipt <u>62°F/C</u>	Trip Blank Yes <u>X</u> No
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Chain of Custody Record

Page 2 of 23

Project Name 601 GWM
BP BU/GEM CO Portfolio Retail

MPG 0072

BP Laboratory Contract Number: Atlantic Richfield Company

Date: 7/1/04

Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time:	Temp:
Off-site Time: <u>See p. 1</u>	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: <u>ARCO 601</u>	Consultant/Contractor: <u>URS</u>
Lab Name: <u>SEQUOIA</u>	BP/GEM Facility Address: <u>712 Lewelling Blvd, San Leandro, CA</u>	Address: <u>1333 Broadway, Suite 800</u>
Lab Address: <u>885 Jarvis Dr.</u>	Site ID No. <u>ARCO 601</u>	<u>Oakland, CA 94612</u>
<u>Morgan Hill, CA 95037</u>	Site Lat/Long:	e-mail EDD: <u>donna.casper@URSCorp.com</u>
	California Global ID #: <u>T0800100108</u>	Consultant/Contractor Project No.: <u>TS-00000601.01 00427</u>
Lab PM <u>Lisa Race</u>	BP/GEM PM Contact: <u>PAUL SUPPLE</u>	Consultant Tele/Fax: <u>510-893-3600/510-874-3268</u>
Tele/Fax: <u>408-776-9600 / 408-782-6308</u>	Address: <u>P.O. Box 8549</u>	Consultant/Contractor PM: <u>Scott Robinson</u>
Report Type & QC Level: <u>1 Send RDI Reports</u>	<u>Moraga, CA 94570</u>	Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one)
BP/GEM Account No.:	Tele/Fax: <u>925-299-8891/925-299-8872</u>	BP/GEM Work Release No: <u>INTRIM -50677</u>

Lab Bottle Order No:			Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis										Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	GRO / BTEX (8015/8021/8260)	DRO/SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DPE, TBA (8260)	L2-DCA & EDB (8260)	Ethanol (8260)	SVOC's (8270)			
1	MW-14	0845		X			10	3				X				X	X	X		Lot HA 4128030			
2	MW-15	1352		X			11	1				X				X	X	X		✓			
3	TB-601-070104	-		X			12	2												on hold			
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Sampler's Name: <u>David Allard</u>	Relinquished By / Affiliation: <u>David Allard / AT&T</u>	Date: <u>7/1/04</u>	Time: <u>11:50</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7/1/04</u>	Time: <u>11:50</u>
Sampler's Company: <u>Blaine Tech</u>						
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

Seals In Place Yes X No Temperature Blank Yes X No Cooler Temperature on Receipt 6° F (C) Trip Blank Yes X No

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

BP COC Rev. 1 2/5/02



Chain of Custody Record

Page 3 of 3

Project Name 601 GWM

BP BU/GEM CO Portfolio Retail

BP Laboratory Contract Number: Atlantic Richfield CompanyDate: 6/20/04 HiloyRequested Due Date (mm/dd/yy) 14 day TAT

On-site Time:	1500	Temp:	67.8
Off-site Time:	1530	Temp:	68.1
Sky Conditions:	clear		
Meteorological Events:	-		
Wind Speed:	10	Direction:	SE

Send To:	BP/GEM Facility No.: ARCO 601	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 712 Lewelling Blvd, San Leandro, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 601	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail RDD: donna.casper@URSCorp.com
	California Global ID #: T0600100108	Consultant/Contractor Project No.: 15-00000601.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3288
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6649	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDH Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor of BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50677

Lab Bottle Order No:			Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis								Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	GRO / BTEX (8015/8021-9/8260)	DRO/SGC (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE (8260)	DPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	
1	MW-9	M10		X			13	3				X				X	X	X			Lot HA 4128030
2	MW-10	M15		X			14	3				X				X	X	X			Lot HA 4128030
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Sampler's Name: <u>David Allent</u>	Relinquished By / Affiliation: <u>David Allent / BT</u>	Date: <u>7/1/04</u>	Time: <u>11:50</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7/1/04</u>	Time: <u>11:50</u>
Sampler's Company:						
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

Seals In Place Yes ☒ NoTemperature Blank Yes ☒ NoCooler Temperature on Receipt 6.0°CTrip Blank Yes ☒ No

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

BP COC Rev. 1 2/5/02

ATTACHMENT C

EDF/GEOWELL SUBMITTAL CONFIRMATION

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Confirmation Number: 2360825717

Date/Time of Submittal: 9/2/2004 1:09:55 PM

Facility Global ID: T0600100108

Facility Name: ARCO # 00601

Submittal Title: Third Quarter 2004 GW Monitoring Report Site 601

Submittal Type: GW Monitoring Report

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

ARCO # 00601 712 LEWELLING BLVD SAN LEANDRO, CA 94579	Regional Board - Case #: 01-0116 SAN FRANCISCO BAY RWQCB (REGION 2) - (RDB) Local Agency (lead agency) - Case #: 4275 ALAMEDA COUNTY LOP - (UNK)
--	---

CONF #	TITLE	QUARTER
2360825717	Third Quarter 2004 GW Monitoring Report Site 601	Q3 2004
SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	9/2/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	13
# FIELD POINTS WITH DETECTIONS	9
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,SW8270C
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%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR

Electronic Submittal Information

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UPLOADING A GEO_WELL FILE

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Submittal Title: 3rd quarter 2004 groundwater
monitoring

Submittal Date/Time: 7/16/2004 6:14:10 PM

Confirmation
Number: 5861240983

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