

Atlantic Richfield Company

Chuck Carmel
Environmental Business Manager

RECEIVED

1:17 pm, Aug 02, 2010

Alameda County
Environmental Health

PO Box 1257
San Ramon, CA 94583
Phone: (925) 275-3803
Fax: (925) 275-3815
E-Mail: charles.carmel@bp.com

July 23, 2010

Re: Second Quarter 2010 Semi-Annual Groundwater Monitoring Report
Atlantic Richfield Company Service Station #601
712 Lewelling Boulevard, San Leandro, California
ACEH Case #RO0000309

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

Submitted by,



Chuck Carmel
Environmental Business Manager

Attachment

**Second Quarter 2010 Semi-Annual
Groundwater Monitoring Report**
Atlantic Richfield Company Station #601
712 Lewelling Boulevard, San Leandro, California
ACEH Case #RO0000309

Prepared for

Mr. Chuck Carmel
Environmental Business Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by



875 Cotting Lane, Suite G
Vacaville, California 95688
(707) 455-7290
www.broadbentinc.com

July 23, 2010

Project No. 06-88-605

Broadbent & Associates, Inc.
875 Cotting Ln., Suite G
Vacaville, CA 95688
(707) 455-7290 Tel
(707) 455-7295 Fax



July 23, 2010

Project No. 06-88-605

Atlantic Richfield Company
P.O. Box 1257
San Ramon, CA 94583
Submitted via ENFOS

Attn.: Mr. Chuck Carmel

Re: Second Quarter 2010 Semi-Annual Groundwater Monitoring Report, Atlantic Richfield Company Station #601, 712 Lewelling Boulevard, San Leandro, Alameda County, California; ACEH Case #RO0000309

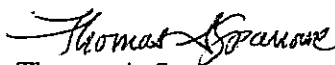
Dear Mr. Carmel:

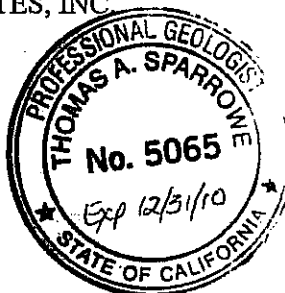
Attached is the *Second Quarter 2010 Groundwater Monitoring Report* for Atlantic Richfield Company (a BP affiliated company) Station #601 located at 712 Lewelling Boulevard, San Leandro, California (Site). This report presents the results of groundwater monitoring conducted at the Site during the Second Quarter of 2010.

Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (707) 455-7290.

Sincerely,

BROADBENT & ASSOCIATES, INC.


Thomas A. Sparrowe.
Senior Geologist



Enclosure

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
Mr. Karl Busche, City of San Leandro (Submitted via GeoTracker)
Electronic copy uploaded to GeoTracker

STATION #601 SEMI-ANNUAL GROUND-WATER MONITORING REPORT

Facility: #601	Address:	712 Lewelling Boulevard, San Leandro, California
Environmental Business Manager:		Mr. Chuck Carmel
Consulting Co./Contact Persons:		Broadbent & Associates, Inc.(BAI)/Tom Sparrowe (707) 455-7290
Consultant Project No.:		06-88-605
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case #RO0000309

WORK PERFORMED THIS QUARTER (Second Quarter 2010):

1. Prepared and submitted *First Quarter 2010 Semi-Annual Ground-Water Monitoring Report* (BAI, 4/5/2010).
2. Conducted coordinated groundwater monitoring/sampling for Second Quarter 2010. Work performed on June 3, 2010 by BAI for wells associated with Station #601.

WORK PROPOSED FOR NEXT QUARTER (Third Quarter 2010):

1. Prepared and submitted *Second Quarter 2010 Semi-Annual Groundwater Monitoring Report* (contained herein).
2. Prepare and submit an Additional Soil and Groundwater Investigation Work Plan.

RESULTS SUMMARY:

Current phase of project:	Groundwater Monitoring/Sampling/Feasibility Studies
Frequency of groundwater monitoring:	Semi-Annually (1Q & 3Q): Wells MW-1 through MW-3 and MW-8 through MW-19
Frequency of groundwater sampling:	Semi-Annually (1Q & 3Q): MW-1, MW-3, MW-10, MW-16, MW-17, and MW-18 Annually (3Q): MW-2, MW-8, MW-9, MW-14, MW-15, and MW-19
Is free product (FP) present on-site:	No
FP recovered this quarter:	0 gallons
Cumulative FP recovered:	3.45 gallons (Well MW-1)
Current remediation techniques:	NA
Depth to groundwater (below TOC):	5.79 ft (MW-15) to 8.71 ft (MW-14)
General groundwater flow direction:	Southwest
Approximate hydraulic gradient:	0.004 ft/ft

DISCUSSION:

Second Quarter 2010 groundwater monitoring and sampling was conducted at Station #601 on June 3, 2010 by BAI personnel. Water levels were gauged in each of the 19 wells associated with the Site. No irregularities were encountered during water-level gauging. Depth-to-water measurements in wells associated with Station #601 ranged from 5.79 ft at MW-15 to 8.71 ft at MW-14. Resulting groundwater surface elevations in wells associated with Station #601 ranged from 17.50 ft above mean sea level (msl) in well MW-13 to 15.89 ft at well MW-10. Water level elevations in wells associated with Station #601 were between historic minimum and maximum ranges for each well, as summarized in Table 1. Water level elevations in wells associated with Station #601 were used to create groundwater elevation contours, resulting in a potentiometric groundwater flow direction and gradient to the southwest at approximately 0.004 ft/ft, consistent with historical data (see Table 3). Groundwater monitoring field data sheets are provided within Appendix A. Measured depths to groundwater and respective

groundwater elevations are summarized in Table 1. Current and historic groundwater flow directions and gradients are provided in Table 3. A Site Location Map is provided as Drawing 1. Potentiometric groundwater elevation contours are presented in Drawing 2.

Consistent with the new sampling schedule, groundwater samples were collected from wells MW-2 through MW-5, MW-16, and MW-17 MW-10. No significant irregularities were encountered during sampling from these six wells. Samples were submitted under chain-of-custody protocol to Calscience Environmental Laboratories, Inc. (Garden Grove, California), for analysis of Gasoline Range Organics (GRO, C6-12) by EPA Method 8015B; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and Methyl Tert-Butyl Ether (MTBE), Ethyl Tert-Butyl Ether (ETBE), Tert-Amyl Methyl Ether (TAME), Di-Isopropyl Ether (DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), Tert-Butyl Alcohol (TBA) and Ethanol by EPA Method 8260B. Samples were also analyzed for the following bio-degradation parameters: Nitrate, Sulfate, Dissolved Sulfide, and Ferrous Iron. Groundwater sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline range organics (GRO) were detected above the laboratory reporting limits in five of the six wells sampled at concentrations up to 26,000 micrograms per liter ($\mu\text{g/L}$) in well MW-3. Benzene was detected above the laboratory reporting limit in four wells at concentrations up to 140 $\mu\text{g/L}$ in wells MW-5 and MW-17. Toluene was detected above the laboratory reporting limit in three wells at concentrations up to 45 $\mu\text{g/L}$ in well MW-17. Ethylbenzene was detected above the laboratory reporting limit in five wells at concentrations up to 1,200 $\mu\text{g/L}$ in well MW-17. Total Xylenes were detected above the laboratory reporting limit in four wells at concentrations up to 2,900 $\mu\text{g/L}$ in well MW-3. MTBE was detected above the laboratory reporting limit in two wells at concentrations of 2.3 $\mu\text{g/L}$ in well MW-10 and 5.8 $\mu\text{g/L}$ in well MW-18. TAME was detected above the laboratory reporting limit in MW-18 at a concentration of 7.6 $\mu\text{g/L}$. The remaining analytes were not detected above their laboratory reporting limits in the six wells sampled this quarter.

Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well sampled, with the exceptions a historic minimum recorded for Benzene in new wells MW 16 through MW-18 since this was only their second round of sampling. Historic laboratory analytical results are summarized in Table 1, Table 2, and Table 4. Drawing 2 illustrates the Second Quarter 2010 laboratory analytical results for GRO, Benzene, and MTBE constituents. Drawing 3 illustrates GRO iso-concentration contours. Drawing 4 illustrates Benzene iso-concentration contours. Drawing 5 illustrates MTBE iso-concentration contours. Co-monitored elevation and analytical data for the adjacent Former Shell Station #129460 at 15275 Washington Avenue are provided in Appendix B. Groundwater monitoring data (GEO_WELL) and laboratory analytical results (EDF) from Station #601 were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix C.

CONCLUSIONS AND RECOMMENDATIONS:

The average groundwater elevations for Station #601 during the Second Quarter 2010 monitoring event generally increased in comparison to groundwater elevations from the First Quarter 2010. The groundwater gradient and flow direction for Station #601 during the Second Quarter 2010 monitoring event is not appreciably different from historical data.

New monitoring wells MW-16 and MW-17 reported somewhat elevated concentrations when compared to the most recent analytical data collected from the wells they replaced (MW-4 and MW-5, respectively). New monitoring well MW-18 reported approximately unchanged concentrations when

compared to the most recent analytical data collected from the wells they replaced (MW-6, respectively). Former Shell Station #129460 was not monitored or sampled during the Second Quarter 2010.

CLOSURE:

The findings presented in this report are based upon: observations of BAI field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by Calscience Environmental Laboratories, Inc. (Garden Grove, California). Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

- Drawing 1. Site Location Map, Station #601, 712 Lewelling Boulevard, San Leandro, California
- Drawing 2. Groundwater Elevation Contours and Analytical Summary Map, June 3, 2010, Station #601, 712 Lewelling Boulevard, San Leandro, California
- Drawing 3. GRO Iso-Concentration Contours Map, June 3, 2010, Station #601, 712 Lewelling Boulevard, San Leandro, California
- Drawing 4. Benzene Iso-Concentration Contours Map, June 3, 2010, Station #601, 712 Lewelling Boulevard, San Leandro, California
- Drawing 5. MTBE Iso-Concentration Contours Map, June 3, 2010, Station #601, 712 Lewelling Boulevard, San Leandro, California
- Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #601, 712 Lewelling Blvd., San Leandro, California
- Table 2. Summary of Fuel Additives Analytical Data, Station #601, 712 Lewelling Blvd., San Leandro, California
- Table 3. Historical Groundwater Flow Direction and Gradient, Station #601, 712 Lewelling Blvd., San Leandro, California
- Table 4. Summary of Volatile and Semi-Volatile Organic Compounds Analytical Data, Station #601, 712 Lewelling Blvd., San Leandro, California
- Table 5. Bio-Degradation Parameters, Station #601, 712 Lewelling Blvd., San Leandro, California
- Appendix A. Groundwater Sampling Data Package (Includes Field Data Sheets, Field Procedures, Nonhazardous Waste Data Form, and Laboratory Analytical Report with Chain-of-Custody Documentation)
- Appendix B. GeoTracker Upload Confirmation Receipts

DRAWINGS

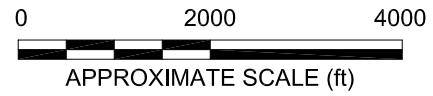
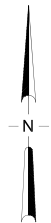
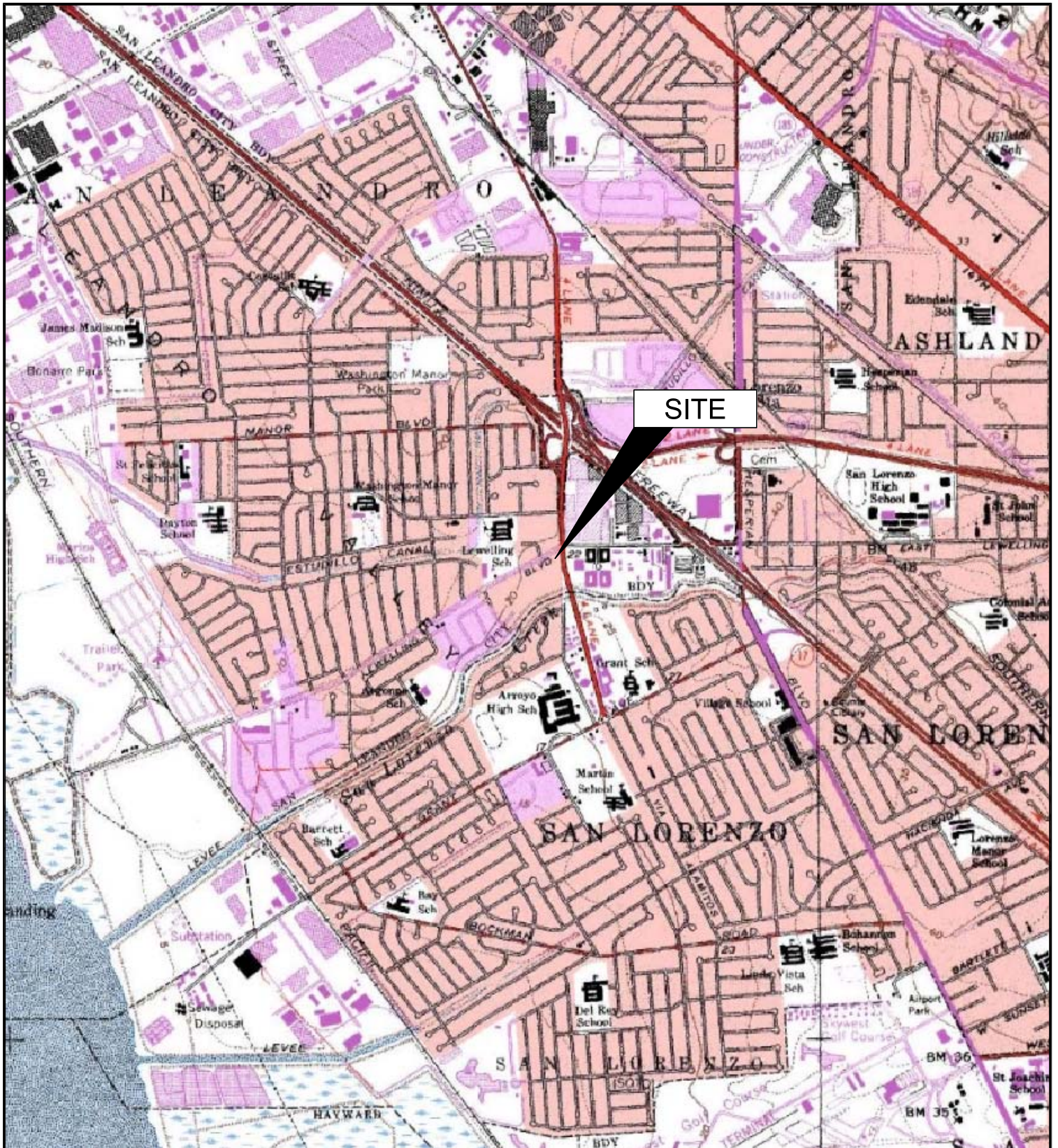
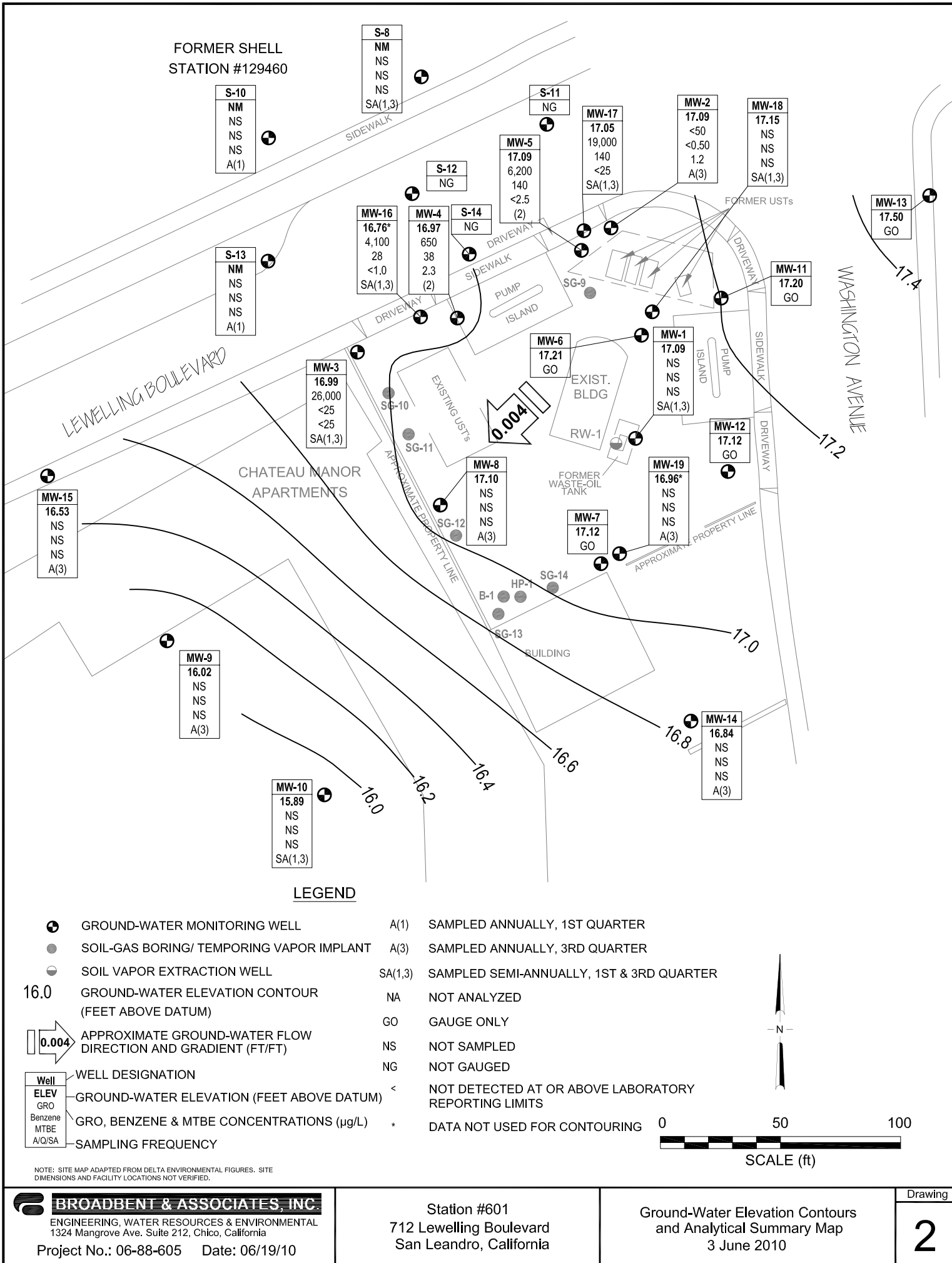
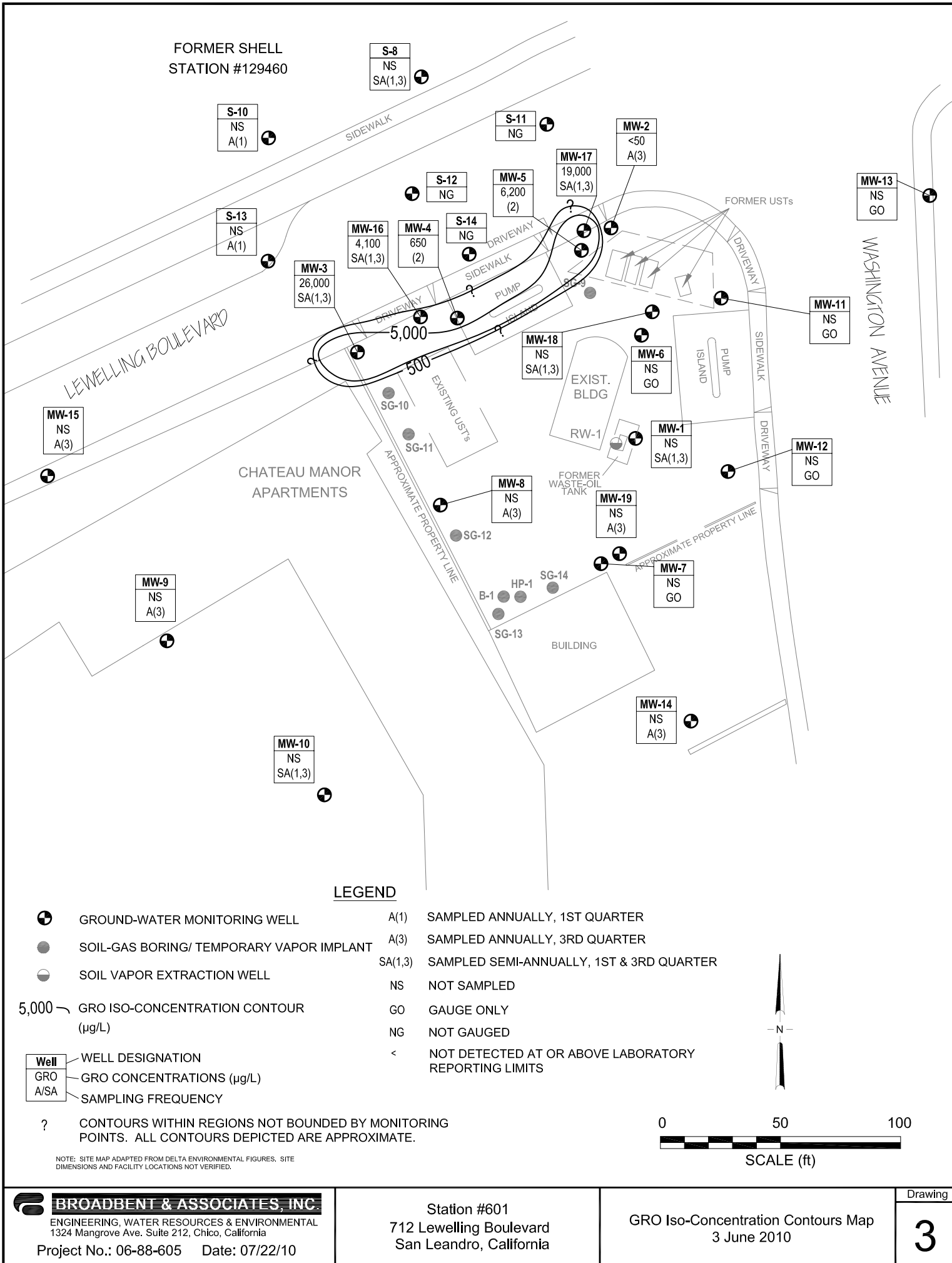
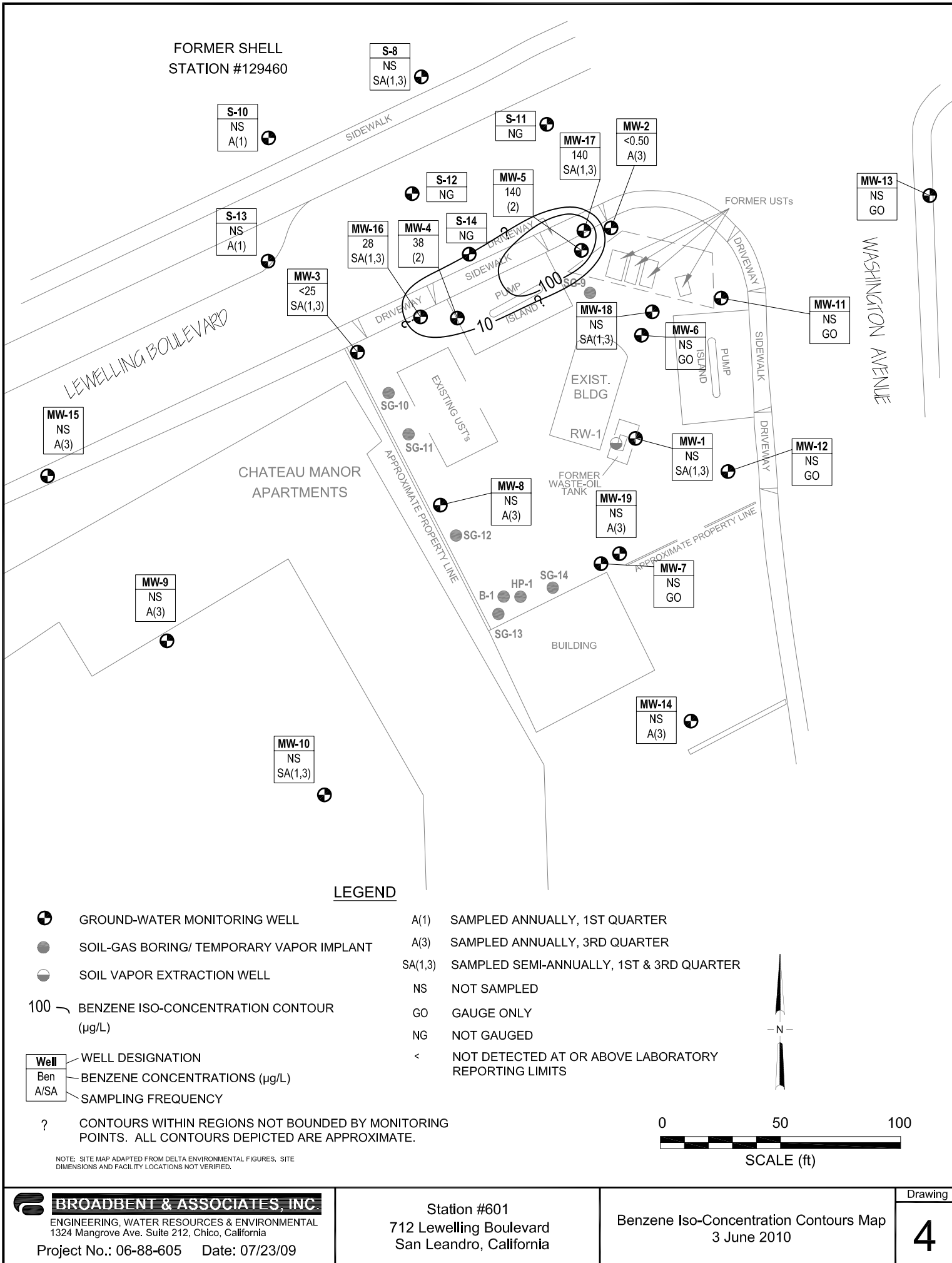


IMAGE SOURCE: USGS







TABLES

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-1																
1/9/1991	--	i, l	22.98	7.00	12.00	9.47	13.51	--	--	--	--	--	--	--	--	--
4/16/1991	--	a	22.98	7.00	12.00	6.12	16.86	--	--	--	--	--	--	--	--	--
6/10/1991	--	a	22.26	7.00	12.00	9.00	13.26	--	--	--	--	--	--	--	--	--
10/10/1991	--	i, l	22.26	7.00	12.00	9.73	12.53	--	--	--	--	--	--	--	--	--
3/23/1992	--	a	22.26	7.00	12.00	7.40	14.86	--	--	--	--	--	--	--	--	--
6/8/1992	--	i, l	22.26	7.00	12.00	9.08	13.18	--	--	--	--	--	--	--	--	--
9/15/1992	--	l	22.26	7.00	12.00	9.18	13.08	--	--	--	--	--	--	--	--	--
11/16/1992	--	i, l	22.26	7.00	12.00	9.09	13.17	--	--	--	--	--	--	--	--	--
2/16/1993	--	i, l	22.26	7.00	12.00	7.03	15.23	--	--	--	--	--	--	--	--	--
5/13/1993	--	i, l	22.26	7.00	12.00	8.08	14.18	--	--	--	--	--	--	--	--	--
8/17/1993	--	i, l	22.26	7.00	12.00	8.81	13.45	--	--	--	--	--	--	--	--	--
11/8/1993	--	i, l	22.26	7.00	12.00	9.22	13.04	--	--	--	--	--	--	--	--	--
2/14/1994	--	a	22.26	7.00	12.00	7.72	14.54	--	--	--	--	--	--	--	--	--
5/5/1994	--	a	22.26	7.00	12.00	8.47	13.79	--	--	--	--	--	--	--	--	--
8/4/1994	--	a	22.26	7.00	12.00	8.72	13.54	--	--	--	--	--	--	--	--	--
11/20/1994	--	a	22.26	7.00	12.00	7.81	14.45	--	--	--	--	--	--	--	--	--
3/17/1995	--		22.26	7.00	12.00	6.57	15.69	120,000	5,300	370	1,500	13,000	--	--	--	--
6/1/1995	--		22.26	7.00	12.00	7.87	14.39	250,000	7,100	950	3,500	21,000	--	--	--	--
8/31/1995	--	i, l	22.26	7.00	12.00	8.12	14.14	--	--	--	--	--	--	--	--	--
11/27/1995	--		22.26	7.00	12.00	8.42	13.84	310,000	4,600	770	5,700	21,000	--	--	--	--
2/22/1996	--	j	22.26	7.00	12.00	6.01	16.25	100,000	6,200	320	2,500	12,000	<1,000	--	--	--
5/20/1996	--		22.26	7.00	12.00	7.03	15.23	340,000	6,600	240	4,500	22,000	<1,000	--	--	--
8/26/1996	--		22.26	7.00	12.00	8.16	14.10	210,000	7,900	320	3,400	15,000	<1,000	--	--	--
11/20/1996	--		22.26	7.00	12.00	7.84	14.42	62,000	5,900	77	2,000	7,700	<300	--	--	--
3/24/1997	--		19.19	7.00	12.00	8.05	11.14	170,000	6,500	<200	2,400	9,900	<1,000	--	--	--
5/23/1997	--		19.19	7.00	12.00	8.42	10.77	83,000	6,200	84	2,500	9,000	<300	--	--	--
8/19/1997	--		19.19	7.00	12.00	8.65	10.54	83,000	4,500	<100	2,200	8,100	<600	--	--	--
11/19/1997	--		19.19	7.00	12.00	8.54	10.65	250,000	4,400	<500	3,800	9,900	<3,000	--	--	--
2/19/1998	--		19.19	7.00	12.00	5.57	13.62	74,000	2,500	120	2,200	4,100	<300	--	--	--
4/23/1998	--		19.19	7.00	12.00	6.92	12.27	210,000	2,700	<500	4,200	8,300	<3,000	--	1.5	--
7/27/1998	--		19.19	7.00	12.00	8.14	11.05	73,000	2,100	88	2,600	4,600	<300	--	1.0	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-1 Cont.																
10/14/1998	--		19.19	7.00	12.00	8.58	10.61	47,000	2,900	<500	2,300	3,900	<300	--	1.5	--
1/21/1999	--		19.19	7.00	12.00	7.48	11.71	45,000	1,400	64	2,100	2,400	<300	--	1.0	--
5/6/1999	--		19.19	7.00	12.00	8.00	11.19	41,000	1,900	<20	2,800	3,400	<120	--	0.85	--
8/23/1999	--		19.19	7.00	12.00	8.56	10.63	26,000	1,700	52	1,600	1,500	<75	--	0.72	--
10/28/1999	--		19.19	7.00	12.00	8.92	10.27	38,000	2,500	35	2,400	2,500	<200	--	0.7	--
2/4/2000	--		19.19	7.00	12.00	8.48	10.71	19,000	960	13	1,200	860	<60	--	2.11	--
6/20/2000	--		19.19	7.00	12.00	8.20	10.99	23,000	2,400	50	1,800	680	<200	--	--	--
9/29/2000	--		19.19	7.00	12.00	8.55	10.64	23,600	2,880	<50	2,130	871	<250	--	--	--
12/17/2000	--		19.19	7.00	12.00	8.28	10.91	21,600	1,980	<50	1,610	664	<250	--	--	--
3/28/2001	--		19.19	7.00	12.00	8.13	11.06	19,800	2,310	<100	2,010	517	<500	--	--	--
6/20/2001	--		19.19	7.00	12.00	8.60	10.59	17,000	2,200	23	1,800	320	100	--	--	--
9/22/2001	--		19.19	7.00	12.00	9.03	10.16	20,000	2,900	<200	2,500	270	<1000	--	--	--
12/27/2001	--		19.19	7.00	12.00	7.93	11.26	15,000	2,000	<50	1,700	140	290	--	--	--
3/15/2002	--		19.19	7.00	12.00	7.89	11.30	12,000	1,800	<50	1,400	79	<250	--	--	--
4/18/2002	--		19.19	7.00	12.00	7.05	12.14	16,000	3,000	180	2,600	320	<250	--	1.26	--
7/23/2002	NP	e	19.19	7.00	12.00	8.70	10.49	14,000	3,200	<50	2,100	<50	<250	--	0.9	6.8
10/16/2002	NP	d	19.19	7.00	12.00	9.12	10.07	14,000	2,100	<25	2,000	31	<120	--	0.8	7.1
1/23/2003	NP	g	19.19	7.00	12.00	7.45	11.74	6,000	680	<50	800	<50	<50	--	0.9	6.8
4/7/2003	--		19.19	7.00	12.00	7.68	11.51	6,400	940	6.6	810	11	69	--	1.1	6.9
8/7/2003	--	a, k	19.19	7.00	12.00	8.75	10.44	12,000	1,500	27	1,700	42	160	--	--	6.4
10/23/2003	NP	a	19.19	7.00	12.00	8.96	10.23	14,000	1,700	<25	1,600	<25	220	1470	--	--
01/12/2004	P		19.19	7.00	12.00	7.99	11.20	8,800	1,100	<25	980	<25	140	1392	0.2	7.2
04/20/2004	NP	a, r	24.78	7.00	12.00	8.87	15.91	12,000	1,600	<25	920	36	84	1780	1.5	6.6
07/01/2004	NP	a	24.78	7.00	12.00	9.31	15.47	9,700	830	<10	580	11	100	886	0.8	6.7
11/04/2004	NP		24.78	7.00	12.00	8.12	16.66	7,800	650	<5.0	300	12	130	1368	1.2	6.7
01/10/2005	NP		24.78	7.00	12.00	7.06	17.72	6,000	280	<5.0	130	12	12	1280	1.05	6.9
04/14/2005	NP		24.78	7.00	12.00	7.20	17.58	4,500	160	<5.0	320	17	<5.0	--	2.1	7.0
04/20/2005	NP	q	24.78	7.00	12.00	7.05	17.73	--	--	--	--	--	--	630	--	6.6
08/02/2005	NP		24.78	7.00	12.00	7.39	17.39	4,700	210	<5.0	210	11	15	1180	--	6.8
10/21/2005	NP		24.78	7.00	12.00	8.31	16.47	9,700	600	5.5	210	11	64	1500	1.45	6.8
01/04/2006	NP		24.78	7.00	12.00	7.10	17.68	5,000	240	5.2	120	18	<5.0	939	0.97	7.2

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-1 Cont.																
04/28/2006	P	a	24.78	7.00	12.00	6.69	18.09	13,000	100	<5.0	270	7.0	<5.0	--	1.81	7.1
8/4/2006	NP		24.78	7.00	12.00	8.30	16.48	9,800	410	5.0	260	<5.0	14	840	0.84	7.0
10/23/2006	P		24.78	7.00	12.00	8.71	16.07	12,000	440	5.6	260	11	16	--	--	6.92
1/15/2007	--	l	24.78	7.00	12.00	7.95	16.83	--	--	--	--	--	--	--	1.23	6.90
4/17/2007	P	a	24.78	7.00	12.00	8.20	16.58	6,800	140	<10	280	<10	<10	--	2.14	7.19
7/9/2007	P	a, s	24.78	7.00	12.00	8.73	16.05	8,200	240	<5.0	220	180	81	1020	2.42	7.15
10/1/2007	P	a, s	24.78	7.00	12.00	8.94	15.84	13,000	260	<5.0	260	13	9.3	1,340	2.46	7.19
1/7/2008	P	u	24.78	7.00	12.00	7.43	17.35	8,000	56	<5.0	190	7.3	<5.0	1,000	0.95	7.03
4/1/2008	NP	i, l	24.78	7.00	12.00	7.64	17.16	9,300	70	<20	210	<20	<20	1,220	2.22	7.04
7/23/2008	P		24.78	7.00	12.00	8.82	15.96	19,000	190	<20	180	<20	<20	1,480	2.2	6.99
10/22/2008	P	a	24.78	7.00	12.00	9.13	15.65	31,000	190	<20	210	<20	<20	2,132	0.31	6.87
1/21/2009	P	a	24.78	7.00	12.00	8.72	16.06	20,000	99	<20	190	<20	<20	--	1.06	7.01
4/21/2009	P	a, u	24.78	7.00	12.00	7.68	17.10	18,000	63	<20	50	<20	<20	1,617	0.40	6.98
7/21/2009	P	u, v	24.78	7.00	12.00	8.91	15.87	9,700	100	<20	120	<20	<20	--	10.85	7.10
1/12/2010	P	u	24.78	7.00	12.00	8.30	16.48	8,400	49	<10	85	<10	<10	--	0.98	6.48
6/3/2010	--		24.78	7.00	12.00	7.67	17.11	--	--	--	--	--	--	--	--	--
MW-2																
7/18/1990	--		22.06	8.00	12.00	7.86	14.20	35,000	3,800	2,900	690	3,600	--	--	--	--
10/15/1990	--		22.06	8.00	12.00	8.61	13.45	6,400	650	290	110	560	--	--	--	--
1/9/1991	--		22.06	8.00	12.00	8.43	13.63	13,000	1,500	970	390	1,500	--	--	--	--
4/16/1991	--		22.06	8.00	12.00	6.97	15.09	54,000	5,200	9,000	1,500	7,700	--	--	--	--
6/10/1991	--		21.33	8.00	12.00	7.91	13.42	26,000	3,000	2,500	880	4,200	--	--	--	--
10/10/1991	--		21.33	8.00	12.00	8.82	12.51	10,000	1,600	910	280	1,400	--	--	--	--
3/23/1992	--		21.33	8.00	12.00	6.86	14.47	33,000	4,100	5,000	1,100	5,300	--	--	--	--
6/8/1992	--		21.33	8.00	12.00	7.95	13.38	18,000	1,200	980	330	1,800	--	--	--	--
9/15/1992	--		21.33	8.00	12.00	8.71	12.62	13,000	430	500	340	1,800	--	--	--	--
11/16/1992	--		21.33	8.00	12.00	7.93	13.40	13,000	900	940	300	1,400	--	--	--	--
2/16/1993	--		21.33	8.00	12.00	6.02	15.31	20,000	1,800	1,200	530	2,700	--	--	--	--
5/13/1993	--		21.33	8.00	12.00	6.99	14.34	13,000	1,000	470	370	1,900	--	--	--	--
8/17/1993	--		21.33	8.00	12.00	7.85	13.48	9,100	770	160	310	1,500	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-2 Cont.																
11/8/1993	--		21.33	8.00	12.00	8.12	13.21	9,200	380	62	130	630	--	--	--	--
2/14/1994	--		21.33	8.00	12.00	6.88	14.45	8,700	670	370	50	1,400	--	--	--	--
5/5/1994	--		21.33	8.00	12.00	7.51	13.82	5,600	390	140	120	480	--	--	--	--
8/4/1994	--	n	21.33	8.00	12.00	8.00	13.33	2,300	180	<2.5	<2.5	230	--	--	--	--
11/20/1994	--		21.33	8.00	12.00	6.86	14.47	4,900	170	150	120	390	--	--	--	--
3/17/1995	--		21.33	8.00	12.00	6.12	15.21	10,000	460	77	260	550	--	--	--	--
6/1/1995	--		21.33	8.00	12.00	6.56	14.77	13,000	400	78	210	410	--	--	--	--
8/31/1995	--		21.33	8.00	12.00	7.18	14.15	5,000	280	18	120	140	<50	--	--	--
11/27/1995	--		21.33	8.00	12.00	7.39	13.94	3,200	230	12	77	90	--	--	--	--
2/22/1996	--		21.33	8.00	12.00	5.78	15.55	11,000	290	67	190	330	<50	--	--	--
5/20/1996	--		21.33	8.00	12.00	6.27	15.06	--	--	--	--	--	--	--	--	--
8/26/1996	--		21.33	8.00	12.00	7.30	14.03	--	--	--	--	--	--	--	--	--
11/20/1996	--		21.33	8.00	12.00	7.28	14.05	--	--	--	--	--	--	--	--	--
3/24/1997	--		21.12	8.00	12.00	7.11	14.01	4,800	570	6	71	32	67	--	--	--
5/23/1997	--		21.12	8.00	12.00	7.44	13.68	--	--	--	--	--	--	--	--	--
8/19/1997	--		21.12	8.00	12.00	7.64	13.48	--	--	--	--	--	--	--	--	--
11/19/1997	--		21.12	8.00	12.00	7.70	13.42	--	--	--	--	--	--	--	--	--
2/19/1998	--		21.12	8.00	12.00	5.22	15.90	2,000	160	50	66	230	25	--	--	--
4/23/1998	--		21.12	8.00	12.00	6.24	14.88	--	--	--	--	--	--	--	--	--
7/27/1998	--		21.12	8.00	12.00	7.02	14.10	--	--	--	--	--	--	--	--	--
10/14/1998	--		21.12	8.00	12.00	7.54	13.58	--	--	--	--	--	--	--	--	--
1/21/1999	--		21.12	8.00	12.00	7.15	13.97	1,700	84	4	31	10	13	--	0.5	--
5/6/1999	--		21.12	8.00	12.00	6.95	14.17	--	--	--	--	--	--	--	--	--
8/23/1999	--		21.12	8.00	12.00	7.49	13.63	--	--	--	--	--	--	--	0.68	--
10/28/1999	--		21.12	8.00	12.00	7.92	13.20	--	--	--	--	--	--	--	--	--
2/4/2000	--		21.12	8.00	12.00	6.61	14.51	--	--	--	--	--	--	--	--	--
6/20/2000	--		21.12	8.00	12.00	7.12	14.00	--	--	--	--	--	--	--	--	--
9/29/2000	--		21.12	8.00	12.00	7.60	13.52	--	--	--	--	--	--	--	--	--
12/17/2000	--		21.12	8.00	12.00	7.42	13.70	--	--	--	--	--	--	--	--	--
3/28/2001	--		21.12	8.00	12.00	6.84	14.28	838	18.1	<5.0	7.63	5.98	39.5	--	--	--
6/20/2001	--		21.12	8.00	12.00	7.66	13.46	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-2 Cont.																
9/22/2001	--		21.12	8.00	12.00	8.08	13.04	--	--	--	--	--	--	--	--	--
12/27/2001	--		21.12	8.00	12.00	6.48	14.64	--	--	--	--	--	--	--	--	--
3/15/2002	--		21.12	8.00	12.00	6.84	14.28	100	<0.5	<0.5	2.5	<0.5	75	--	--	--
4/18/2002	--		21.12	8.00	12.00	6.19	14.93	--	--	--	--	--	--	--	--	--
7/23/2002	--		21.12	8.00	12.00	7.73	13.39	--	--	--	--	--	--	--	--	--
10/16/2002	--		21.12	8.00	12.00	8.10	13.02	--	--	--	--	--	--	--	--	--
1/23/2003	P	g	21.12	8.00	12.00	6.52	14.60	<5,000	<50	<50	<50	<50	95	--	1.6	7.2
4/7/2003	--		21.12	8.00	12.00	7.22	13.90	--	--	--	--	--	--	--	--	--
8/7/2003	--		21.12	8.00	12.00	7.84	13.28	--	--	--	--	--	--	--	--	--
10/23/2003	P	m	21.12	8.00	12.00	7.95	13.17	<250	<2.5	<2.5	<2.5	4.2	68	--	--	--
01/12/2004	--		21.12	8.00	12.00	6.60	14.52	--	--	--	--	--	--	--	--	--
04/20/2004	--	r	23.87	8.00	12.00	8.32	15.55	--	--	--	--	--	--	--	--	--
07/01/2004	P	o	23.87	8.00	12.00	8.96	14.91	72	<0.50	<0.50	<0.50	<0.50	72	--	2.1	6.9
11/04/2004	--		23.87	8.00	12.00	7.30	16.57	--	--	--	--	--	--	--	--	--
01/10/2005	--		23.87	8.00	12.00	5.87	18.00	--	--	--	--	--	--	--	--	--
04/14/2005	--		23.87	8.00	12.00	5.75	18.12	--	--	--	--	--	--	--	--	--
08/02/2005	P		23.87	8.00	12.00	6.47	17.40	1,300	4.3	0.57	11	0.97	12	--	--	7.0
10/21/2005	--		23.87	8.00	12.00	7.12	16.75	--	--	--	--	--	--	--	--	--
01/04/2006	--		23.87	8.00	12.00	6.75	17.12	--	--	--	--	--	--	--	--	--
04/28/2006	--		23.87	8.00	12.00	5.90	17.97	--	--	--	--	--	--	--	--	--
8/4/2006	P		23.87	8.00	12.00	7.41	16.46	50	<0.50	<0.50	<0.50	<0.50	7.9	--	1.57	7.2
10/23/2006	--		23.87	8.00	12.00	7.72	16.15	--	--	--	--	--	--	--	--	--
1/15/2007	--		23.87	8.00	12.00	7.14	16.73	--	--	--	--	--	--	--	--	--
4/17/2007	--		23.87	8.00	12.00	7.28	16.59	--	--	--	--	--	--	--	--	--
7/9/2007	P		23.87	8.00	12.00	7.73	16.14	110	<0.50	<0.50	<0.50	<0.50	3.2	--	1.40	7.37
10/1/2007	--		23.87	8.00	12.00	7.95	15.92	--	--	--	--	--	--	--	--	--
1/7/2008	--		23.87	8.00	12.00	6.46	17.41	--	--	--	--	--	--	--	--	--
4/1/2008	--		23.87	8.00	12.00	7.10	16.77	--	--	--	--	--	--	--	--	--
7/23/2008	NP		23.87	8.00	12.00	7.90	15.97	<50	<0.50	<0.50	<0.50	<0.50	0.78	--	3.1	7.25
10/22/2008	--		23.87	8.00	12.00	8.10	15.77	--	--	--	--	--	--	--	--	--
1/21/2009	--		23.87	8.00	12.00	7.70	16.17	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-2 Cont.																
4/21/2009	--		23.87	8.00	12.00	7.16	16.71	--	--	--	--	--	--	--	--	--
7/21/2009	NP	v	23.87	8.00	12.00	8.01	15.86	<50	<0.50	<0.50	<0.50	<0.50	0.83	--	11.67	7.47
1/12/2010	--		23.87	8.00	12.00	7.35	16.52	--	--	--	--	--	--	--	--	--
6/3/2010	P		23.87	8.00	12.00	6.78	17.09	<50	<0.50	<0.50	<0.50	<0.50	1.2	--	--	7.06
MW-3																
7/18/1990	--		20.84	8.00	12.00	7.03	13.81	--	--	--	--	--	--	--	--	--
10/15/1990	--	i, l	20.84	8.00	12.00	8.19	12.65	--	--	--	--	--	--	--	--	--
1/9/1991	--	i, l	20.84	8.00	12.00	7.46	13.38	--	--	--	--	--	--	--	--	--
4/16/1991	--	a	20.84	8.00	12.00	7.95	12.89	--	--	--	--	--	--	--	--	--
6/10/1991	--	a	20.11	8.00	12.00	7.14	12.97	--	--	--	--	--	--	--	--	--
10/10/1991	--	i, l	20.11	8.00	12.00	7.82	12.29	--	--	--	--	--	--	--	--	--
3/23/1992	--	a	20.11	8.00	12.00	5.75	14.36	--	--	--	--	--	--	--	--	--
6/8/1992	--	i, l	20.11	8.00	12.00	7.52	12.59	--	--	--	--	--	--	--	--	--
9/15/1992	--	i, l	20.11	8.00	12.00	8.01	12.10	--	--	--	--	--	--	--	--	--
11/16/1992	--	a	20.11	8.00	12.00	7.11	13.00	--	--	--	--	--	--	--	--	--
2/16/1993	--	i, l	20.11	8.00	12.00	5.93	14.18	--	--	--	--	--	--	--	--	--
5/13/1993	--	i, l	20.11	8.00	12.00	6.37	13.74	--	--	--	--	--	--	--	--	--
8/17/1993	--	i, l	20.11	8.00	12.00	7.00	13.11	--	--	--	--	--	--	--	--	--
11/8/1993	--		20.11	8.00	12.00	7.31	12.80	430,000	4,100	14,000	6,400	37,000	--	--	--	--
2/14/1994	--		20.11	8.00	12.00	5.81	14.30	85,000	4,200	12,000	2,500	16,000	--	--	--	--
5/5/1994	--		20.11	8.00	12.00	6.81	13.30	560,000	4,600	14,000	5,300	40,000	--	--	--	--
8/4/1994	--		20.11	8.00	12.00	7.31	12.80	64,000	4,200	7,600	1,700	12,000	--	--	--	--
11/20/1994	--		20.11	8.00	12.00	5.88	14.23	80,000	4,700	9,700	2,400	15,000	--	--	--	--
3/17/1995	--		20.11	8.00	12.00	5.46	14.65	370,000	4,800	12,000	5,800	34,000	--	--	--	--
6/1/1995	--		20.11	8.00	12.00	6.34	13.77	270,000	6,000	11,000	5,200	28,000	--	--	--	--
8/31/1995	--	i, l	20.11	8.00	12.00	6.60	13.51	--	--	--	--	--	--	--	--	--
11/27/1995	--		20.11	8.00	12.00	6.76	13.35	150,000	5,100	8,800	3,900	21,000	--	--	--	--
2/22/1996	--		20.11	8.00	12.00	5.14	14.97	150,000	4,400	7,600	4,100	22,000	<3,000	--	--	--
5/20/1996	--		20.11	8.00	12.00	5.17	14.94	410,000	4,700	8,000	6,300	36,000	<3,000	--	--	--
8/26/1996	--		20.11	8.00	12.00	7.04	13.07	260,000	4,000	6,100	4,200	24,000	<2,000	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-3 Cont.																
11/20/1996	--		20.11	8.00	12.00	6.26	13.85	190,000	3,200	5,800	3,300	20,000	<1,000	--	--	--
3/24/1997	--		22.99	8.00	12.00	6.94	16.05	430,000	2,700	7,600	7,000	39,000	<5,000	--	--	--
5/23/1997	--		22.99	8.00	12.00	6.98	16.01	130,000	2,100	4,300	3,500	19,000	<700	--	--	--
8/19/1997	--		22.99	8.00	12.00	7.25	15.74	100,000	2,000	3,200	<100	19,000	<600	--	--	--
11/19/1997	--		22.99	8.00	12.00	7.25	15.74	93,000	1,700	2,400	2,800	16,000	<600	--	--	--
2/19/1998	--		22.99	8.00	12.00	5.24	17.75	80,000	620	1,200	2,500	13,000	<600	--	--	--
4/23/1998	--		22.99	8.00	12.00	6.60	16.39	130,000	1,500	2,400	3,500	18,000	<600	--	3.5	--
7/27/1998	--		22.99	8.00	12.00	7.00	15.99	140,000	920	1,500	2,400	13,000	<600	--	1.0	--
10/14/1998	--		22.99	8.00	12.00	7.04	15.95	300,000	1,200	2,400	5,700	32,000	970	--	1.0	--
1/21/1999	--		22.99	8.00	12.00	6.50	16.49	120,000	860	1,500	2,600	14,000	<600	--	0.5	--
5/6/1999	--		22.99	8.00	12.00	6.90	16.09	49,000	670	1,400	2,500	11,000	170	--	1.03	--
8/23/1999	--		22.99	8.00	12.00	6.53	16.46	51,000	440	930	2,200	9,200	<150	--	0.67	--
10/28/1999	--		22.99	8.00	12.00	7.50	15.49	1,400,000	830	4,100	15,000	78,000	<5,000	--	0.77	--
2/4/2000	--		22.99	8.00	12.00	6.21	16.78	<50	<0.5	<0.5	<0.5	<1	650	--	1.61	--
6/20/2000	--		22.99	8.00	12.00	6.22	16.77	45,000	670	990	2,400	12,000	<500	--	--	--
9/29/2000	--		22.99	8.00	12.00	7.20	15.79	51,000	860	1,120	2,720	12,900	<250	--	--	--
12/17/2000	--		22.99	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--
3/28/2001	--		22.99	8.00	12.00	6.10	16.89	43,500	804	<200	250	11,000	<1,000	--	--	--
6/20/2001	--		22.99	8.00	12.00	6.14	16.85	62,000	1,000	850	2,800	13,000	<2,500	--	--	--
9/22/2001	--		22.99	8.00	12.00	7.24	15.75	53,000	1,200	1,200	3,100	13,000	<1,000	--	--	--
12/27/2001	--		22.99	8.00	12.00	7.00	15.99	44,000	860	840	2,300	10,000	<250	--	--	--
3/15/2002	--		22.99	8.00	12.00	7.02	15.97	43,000	1,000	810	2,300	11,000	<250	--	--	--
4/18/2002	--		22.99	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--
7/23/2002	P	d	22.99	8.00	12.00	7.22	15.77	45,000	750	570	2,100	10,000	<250	--	1	8
10/16/2002	P	d	22.99	8.00	12.00	7.54	15.45	42,000	780	620	2,500	11,000	<250	--	1.4	7.7
1/23/2003	P	g	22.99	8.00	12.00	6.85	16.14	68,000	580	500	3,300	16,000	<100	--	1.3	7
4/7/2003	--		22.99	8.00	12.00	7.05	15.94	48,000	620	450	2,200	11,000	<50	--	1.4	6.9
8/7/2003	--	m	--	8.00	12.00	6.89	--	35,000	360	250	1,700	8,100	<100	--	2.4	8.9
10/23/2003	P	m	22.99	8.00	12.00	7.05	15.94	36,000	340	250	1,700	8,300	<25	--	--	--
01/12/2004	NP		22.99	8.00	12.00	5.93	17.06	1,100	<5.0	<5.0	<5.0	34	<5.0	--	3.2	9.5
04/20/2004	P	r	22.63	8.00	12.00	7.60	15.03	30,000	210	170	1,700	7,300	<50	--	1.6	7.8

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-3 Cont.																
07/01/2004	P	a	22.63	8.00	12.00	7.76	14.87	33,000	190	190	1,300	6,300	<50	--	2.3	7.4
11/04/2004	--	p	22.63	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--
11/23/2004	P		22.63	8.00	12.00	6.75	15.88	32,000	150	160	1,400	7,100	<50	--	1.2	7.5
01/10/2005	P		22.63	8.00	12.00	4.75	17.88	34,000	180	150	1,400	6,900	<100	--	0.7	7.0
04/14/2005	P		22.63	8.00	12.00	5.60	17.03	26,000	170	200	1,500	5,000	<25	--	2.3	7.0
08/02/2005	P		22.63	8.00	12.00	5.97	16.66	41,000	260	190	1,800	8,600	<25	--	--	7.0
10/21/2005	P		22.63	8.00	12.00	6.55	16.08	39,000	230	160	1,500	7,400	<50	--	1.05	7.0
01/04/2006	P		22.63	8.00	12.00	4.57	18.06	33,000	160	150	1,700	7,500	<25	--	0.97	7.1
04/28/2006	P	a	22.63	8.00	12.00	5.35	17.28	42,000	130	110	1,700	6,500	<25	--	1.39	7.0
8/4/2006	P		22.63	8.00	12.00	5.97	16.66	38,000	180	130	1,500	7,000	<25	--	0.47	6.9
10/23/2006	P		22.63	8.00	12.00	6.66	15.97	48,000	180	120	1,500	7,100	<5.0	--	--	6.98
1/15/2007	P		22.63	8.00	12.00	6.11	16.52	36,000	130	130	1,900	8,400	<25	--	0.97	7.25
4/17/2007	P	a	22.63	8.00	12.00	6.13	16.50	73,000	120	140	2,200	9,900	<25	--	1.13	7.42
7/9/2007	P	a	22.63	8.00	12.00	6.82	15.81	42,000	110	110	1,700	7,100	<25	--	1.38	7.28
10/1/2007	P	a, o, t	22.63	8.00	12.00	6.85	15.78	48,000	100	100	1,700	7,700	<25	--	1.65	7.66
1/7/2008	--	p	22.63	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--
4/1/2008	P	a	22.63	8.00	12.00	8.95	13.68	160,000	<100	<100	1,700	7,400	<100	--	0.96	7.03
7/23/2008	NP		22.63	8.00	12.00	7.00	15.63	33,000	39	47	1,100	5,000	<5.0	--	1.04	6.93
10/22/2008	P	a	22.63	8.00	12.00	7.15	15.48	98,000	<120	<120	2,000	8,000	<120	--	1.06	7.09
1/21/2009	P	a	22.63	8.00	12.00	6.79	15.84	51,000	<100	<100	2,300	9,000	<100	--	0.58	7.08
4/21/2009	P	a	22.63	8.00	12.00	5.80	16.83	720,000	52	<50	790	7,000	<50	--	1.38	7.14
7/21/2009	P	v	22.63	8.00	12.00	6.84	15.79	36,000	29	33	1,300	4,800	<25	--	11.15	7.35
1/12/2010	P		22.63	8.00	12.00	6.19	16.44	25,000	25	24	1,200	3,900	<10	--	1.07	6.63
6/3/2010	P		22.63	8.00	12.00	5.64	16.99	26,000	<25	<25	820	2,900	<25	--	1.16	6.8
MW-4																
6/10/1991	--	b	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
10/10/1991	--	b	20.75	6.00	9.00	--	--	15,000	5,300	1,500	470	1,300	--	--	--	--
3/23/1992	--	b	20.75	6.00	9.00	--	--	24,000	5,600	4,000	580	3,100	--	--	--	--
6/8/1992	--	b	20.75	6.00	9.00	--	--	5,700	2,000	170	92	270	--	--	--	--
9/15/1992	--	b	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-4 Cont.																
11/16/1992	--	b	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
2/16/1993	--		20.75	6.00	9.00	7.10	13.65	12,000	920	1,100	130	750	--	--	--	--
5/13/1993	--		20.75	6.00	9.00	7.02	13.73	19,000	2,900	2,800	360	1,900	--	--	--	--
8/17/1993	--		20.75	6.00	9.00	7.85	12.90	8,100	1,600	1,300	170	730	--	--	--	--
11/8/1993	--	b	20.75	6.00	9.00	--	--	2,000	540	110	10	240	--	--	--	--
2/14/1994	--	b	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
5/5/1994	--		20.75	6.00	9.00	7.73	13.02	1,900	510	78	31	150	--	--	--	--
8/4/1994	--	n	20.75	6.00	9.00	7.83	12.92	1,300	360	17	<5	190	--	--	--	--
11/20/1994	--		20.75	6.00	9.00	7.73	13.02	<50	2.9	0.5	<0.5	1.4	--	--	--	--
3/17/1995	--		20.75	6.00	9.00	6.65	14.10	16,000	1,800	970	310	2,500	--	--	--	--
6/1/1995	--		20.75	6.00	9.00	7.25	13.50	16,000	2,800	870	380	2,700	--	--	--	--
8/31/1995	--		20.75	6.00	9.00	7.75	13.00	9,000	2,000	270	270	1,400	<100	--	--	--
11/27/1995	--		20.75	6.00	9.00	7.87	12.88	3,800	890	130	130	550	--	--	--	--
2/22/1996	--		20.75	6.00	9.00	7.29	13.46	940	150	82	19	130	<20	--	--	--
5/20/1996	--		20.75	6.00	9.00	7.30	13.45	6,700	1,100	330	120	1,100	<100	--	--	--
8/26/1996	--		20.75	6.00	9.00	7.57	13.18	14,000	2,400	510	350	2,100	<100	--	--	--
11/20/1996	--		20.75	6.00	9.00	7.89	12.86	420	55	17	11	62	<3	--	--	--
3/24/1997	--		22.38	6.00	9.00	6.90	15.48	6,800	620	150	81	1,300	<50	--	--	--
5/23/1997	--		22.38	6.00	9.00	7.80	14.58	9,000	1,300	240	200	1,600	<60	--	--	--
8/19/1997	--	b	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
11/19/1997	--	b, j	22.38	6.00	9.00	--	--	3700	600	93	120	710	<60	--	--	--
2/19/1998	--		22.38	6.00	9.00	6.78	15.60	1,800	93	51	29	420	110	--	--	--
4/23/1998	--		22.38	6.00	9.00	6.47	15.91	6,500	700	110	180	1,300	93	--	0.5	--
7/27/1998	--		22.38	6.00	9.00	7.22	15.16	10,000	1,400	140	290	1,900	<120	--	1.5	--
10/14/1998	--		22.38	6.00	9.00	7.60	14.78	6,500	900	63	200	1,200	63	--	1	--
1/21/1999	--		22.38	6.00	9.00	7.43	14.95	1,700	140	22	56	320	13	--	0.5	--
5/6/1999	--		22.38	6.00	9.00	6.55	15.83	3,300	250	36	73	890	41	--	1.28	--
8/23/1999	--		22.38	6.00	9.00	7.16	15.22	7,400	500	73	230	1,700	57	--	0.89	--
10/28/1999	--		22.38	6.00	9.00	8.28	14.10	370	41	5.7	14	52	16	--	0.92	--
2/4/2000	--		22.38	6.00	9.00	8.23	14.15	310	33	7.5	11	65	8	--	2.43	--
6/20/2000	--		22.38	6.00	9.00	6.46	15.92	2,700	210	20	94	520	46	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-4 Cont.																
9/29/2000	--	b	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
12/17/2000	--	b	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
3/28/2001	--	b	22.38	6.00	9.00	7.49	14.89	--	--	--	--	--	--	--	--	--
6/20/2001	--		22.38	6.00	9.00	7.21	15.17	13,000	690	170	330	1,400	110	--	--	--
9/22/2001	--		22.38	6.00	9.00	7.43	14.95	6,700	650	110	410	1,800	100	--	--	--
12/27/2001	--		22.38	6.00	9.00	7.32	15.06	1,200	47	15	46	250	15	--	--	--
3/15/2002	--		22.38	6.00	9.00	7.43	14.95	490	34	7.4	26	110	12	--	--	--
4/18/2002	--		22.38	6.00	9.00	7.00	15.38	<50	0.57	0.83	<0.5	1.1	3.7	--	--	--
7/23/2002	NP	d	22.38	6.00	9.00	7.70	14.68	820	80	12	23	190	41	--	2.2	7.3
10/16/2002	NP	d	22.38	6.00	9.00	7.75	14.63	2,000	220	25	140	570	<25	--	1.8	7.6
1/23/2003	NP	g	22.38	6.00	9.00	7.11	15.27	<250	<2.5	<2.5	<2.5	8.8	5.9	--	1.7	7
4/7/2003	--		22.38	6.00	9.00	7.19	15.19	310	24	2.4	15	62	9.2	--	1.1	7.1
8/7/2003	--	m	22.38	6.00	9.00	7.45	14.93	3,000	280	<25	150	700	<25	--	1.2	6.8
10/23/2003	NP	m	22.38	6.00	9.00	7.59	14.79	1,700	150	7.6	83	320	12	--	--	--
01/12/2004	NP		22.38	6.00	9.00	7.40	14.98	260	4.4	<2.5	<2.5	27	4.3	--	2.4	7.3
04/20/2004	NP	r	23.32	6.00	9.00	7.38	15.94	1,500	160	<5.0	50	320	12	--	1.4	7.1
07/01/2004	NP		23.32	6.00	9.00	7.78	15.54	1,800	150	5.2	16	260	15	--	1.9	7.0
11/04/2004	NP		23.32	6.00	9.00	7.75	15.57	640	38	1.9	2.1	110	5.7	--	1.9	7.0
01/10/2005	NP		23.32	6.00	9.00	7.54	15.78	<50	1.1	<0.50	<0.50	0.96	2.5	--	1.61	7.0
04/14/2005	NP		23.32	6.00	9.00	7.20	16.12	320	16	0.69	1.4	48	4.5	--	2.5	7.0
08/02/2005	NP		23.32	6.00	9.00	7.35	15.97	1,100	77	2.8	9.0	190	7.1	--	--	6.8
10/21/2005	NP		23.32	6.00	9.00	7.25	16.07	1,700	84	3.9	6.5	250	10	--	1.99	6.9
01/04/2006	NP		23.32	6.00	9.00	7.52	15.80	460	14	<1.0	2.1	72	3.7	--	1.15	7.2
04/28/2006	NP		23.32	6.00	9.00	6.55	16.77	670	17	<1.0	3.7	33	3.7	--	1.39	7.0
8/4/2006	NP		23.32	6.00	9.00	7.00	16.32	2,800	240	9.3	14	280	15	--	1.26	7.1
10/23/2006	P		23.32	6.00	9.00	7.33	15.99	2,100	200	7.8	17	150	16	--	--	7.08
1/15/2007	--		23.32	6.00	9.00	7.60	15.72	--	--	--	--	--	--	--	--	--
4/17/2007	NP		23.32	6.00	9.00	7.47	15.85	110	9.0	<1.0	1.0	4.5	3.5	--	3.79	7.25
7/9/2007	NP		23.32	6.00	9.00	7.55	15.77	1,400	130	5.4	14	96	14	--	3.55	7.40
10/1/2007	NP		23.32	6.00	9.00	7.69	15.63	1,300	120	6.4	12	91	11	--	3.08	7.42
1/7/2008	NP		23.32	6.00	9.00	7.38	15.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.25	7.26

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-4 Cont.																
4/1/2008	NP		23.32	6.00	9.00	7.05	16.27	190	<0.50	<0.50	<0.50	<0.50	0.68	--	1.32	7.12
7/23/2008	--	c	23.32	6.00	9.00	7.36	15.96	--	--	--	--	--	--	--	--	--
10/22/2008	--	c	23.32	6.00	9.00	7.41	15.91	--	--	--	--	--	--	--	--	--
1/21/2009	--	c	23.32	6.00	9.00	7.39	15.93	--	--	--	--	--	--	--	--	--
4/21/2009	NP		23.32	6.00	9.00	6.90	16.42	<50	<0.50	<0.50	<0.50	<0.50	1.5	--	1.18	7.28
7/21/2009	--		23.32	6.00	9.00	7.18	16.14	--	--	--	--	--	--	--	--	--
1/12/2010	--		23.32	6.00	9.00	7.23	16.09	--	--	--	--	--	--	--	--	--
6/3/2010	P		23.32	6.00	9.00	6.35	16.97	650	38	<0.50	0.71	<0.50	2.3	--	1.10	7.1
MW-5																
6/10/1991	--		20.90	6.00	10.50	7.58	13.32	100,000	25,000	20,000	2,600	12,000	--	--	--	--
10/10/1991	--	a	20.90	6.00	10.50	8.51	12.39	--	--	--	--	--	--	--	--	--
3/23/1992	--		20.90	6.00	10.50	6.06	14.84	150,000	24,000	31,000	4,400	23,000	--	--	--	--
6/8/1992	--		20.90	6.00	10.50	7.66	13.24	120,000	17,000	13,000	2,400	11,000	--	--	--	--
9/15/1992	--	l	20.90	6.00	10.50	8.40	12.50	--	--	--	--	--	--	--	--	--
11/16/1992	--		20.90	6.00	10.50	7.70	13.20	110,000	16,000	16,000	3,200	18,000	--	--	--	--
2/16/1993	--		20.90	6.00	10.50	5.64	15.26	150,000	12,000	15,000	3,000	17,000	--	--	--	--
5/13/1993	--	l	20.90	6.00	10.50	6.68	14.22	--	--	--	--	--	--	--	--	--
8/17/1993	--		20.90	6.00	10.50	7.49	13.41	87,000	15,000	8,500	1,900	11,000	--	--	--	--
11/8/1993	--		20.90	6.00	10.50	7.93	12.97	87,000	12,000	8,300	2,000	12,000	--	--	--	--
2/14/1994	--		20.90	6.00	10.50	6.49	14.41	46,000	7,300	5,300	940	5,200	--	--	--	--
5/5/1994	--		20.90	6.00	10.50	7.18	13.72	54,000	9,700	4,700	1,000	6,400	--	--	--	--
8/4/1994	--		20.90	6.00	10.50	7.83	13.07	57,000	14,000	3,200	1,200	7,200	--	--	--	--
11/20/1994	--		20.90	6.00	10.50	6.34	14.56	33,000	5,700	1,800	720	4,700	--	--	--	--
3/17/1995	--		20.90	6.00	10.50	5.51	15.39	48,000	6,400	2,000	740	5,100	--	--	--	--
6/1/1995	--		20.90	6.00	10.50	6.55	14.35	76,000	11,000	5,400	1,400	7,700	--	--	--	--
8/31/1995	--		20.90	6.00	10.50	6.80	14.10	53,000	12,000	1,600	1,000	6,000	<500	--	--	--
11/27/1995	--		20.90	6.00	10.50	7.13	13.77	43,000	7,900	3,300	950	4,900	--	--	--	--
2/22/1996	--		20.90	6.00	10.50	5.12	15.78	52,000	9,100	3,300	940	5,000	<500	--	--	--
5/20/1996	--		20.90	6.00	10.50	5.87	15.03	55,000	9,300	3,800	1,100	5,400	<500	--	--	--
8/26/1996	--		20.90	6.00	10.50	7.15	13.75	47,000	5,300	2,100	780	3,200	<300	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-5 Cont.																
11/20/1996	--		20.90	6.00	10.50	6.88	14.02	53,000	8,700	5,700	920	4,400	<500	--	--	--
3/24/1997	--		22.45	6.00	10.50	7.13	15.32	39,000	8,200	3,200	720	3,100	<500	--	--	--
5/23/1997	--		22.45	6.00	10.50	7.42	15.03	29,000	6,600	1,700	400	1,500	<600	--	--	--
8/19/1997	--		22.45	6.00	10.50	7.58	14.87	16,000	4,600	790	<50	1,300	<300	--	--	--
11/19/1997	--		22.45	6.00	10.50	7.58	14.87	22,000	5,800	1,300	380	1,300	<300	--	--	--
2/19/1998	--		22.45	6.00	10.50	4.65	17.80	40,000	5,100	3,800	620	2,900	<300	--	--	--
4/23/1998	--		22.45	6.00	10.50	6.25	16.20	45,000	8,000	4,000	970	4,200	<600	--	1.5	--
7/27/1998	--		22.45	6.00	10.50	6.71	15.74	30,000	8,000	2,000	590	1,900	<600	--	1.5	--
10/14/1998	--		22.45	6.00	10.50	7.19	15.26	33,000	7,400	1,900	550	1,700	<300	--	1.5	--
1/21/1999	--		22.45	6.00	10.50	7.03	15.42	34,000	6,200	2,600	630	2,300	<600	--	2.5	--
5/6/1999	--		22.45	6.00	10.50	7.02	15.43	7,900	2,400	200	240	580	12	--	1.07	--
8/23/1999	--		22.45	6.00	10.50	7.04	15.41	25,000	5,800	2,300	570	2,000	67	--	1.04	--
10/28/1999	--		22.45	6.00	10.50	7.90	14.55	20,000	5,900	1,100	450	1,100	<250	--	0.87	--
2/4/2000	--		22.45	6.00	10.50	6.71	15.74	32,000	2,500	3,800	770	4,200	<75	--	2.33	--
6/20/2000	--		22.45	6.00	10.50	6.78	15.67	10,000	3,000	650	260	700	<200	--	--	--
9/29/2000	--	b	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--
12/17/2000	--	b	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--
3/28/2001	--		22.45	6.00	10.50	6.48	15.97	23,400	4,160	3,450	728	3,090	<250	--	--	--
6/20/2001	--		22.45	6.00	10.50	7.26	15.19	120,000	1,200	49	190	540	<100	--	--	--
9/22/2001	--	b	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--
12/27/2001	--		22.45	6.00	10.50	6.56	15.89	16,000	1,500	2,700	730	3,200	<250	--	--	--
3/15/2002	--		22.45	6.00	10.50	6.90	15.55	20,000	2,600	3,300	1,000	4,000	<250	--	--	--
4/18/2002	--		22.45	6.00	10.50	6.17	16.28	17,000	3,200	2,900	790	3,000	<250	--	--	--
7/23/2002	NP	d	22.45	6.00	10.50	7.36	15.09	4,600	1,400	30	160	470	110	--	1.7	7.5
10/16/2002	NP	d	22.45	6.00	10.50	7.66	14.79	5,400	1,300	<20	62	150	<100	--	1.1	7.5
1/23/2003	NP	g	22.45	6.00	10.50	6.28	16.17	<5,000	110	<50	<50	98	<50	--	1.1	7.6
4/7/2003	--		22.45	6.00	10.50	7.21	15.24	1,600	310	18	36	62	32	--	1.5	7.2
8/7/2003	--	m	22.45	6.00	10.50	7.46	14.99	<50	1.8	<0.50	<0.50	<0.50	3.5	--	12.2	9
10/23/2003	NP	m	22.45	6.00	10.50	7.68	14.77	76	14	<0.50	0.77	0.61	12	--	--	--
01/12/2004	NP		22.45	6.00	10.50	6.34	16.11	<50	1.5	0.68	<0.50	0.62	11	--	6.8	8.8
04/20/2004	NP	r	23.47	6.00	10.50	8.12	15.35	300	53	13	12	29	12	--	8.9	8.5

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-5 Cont.																
07/01/2004	NP		23.47	6.00	10.50	8.62	14.85	<50	0.56	<0.50	<0.50	<0.50	11	--	10.6	8.5
11/04/2004	NP		23.47	6.00	10.50	7.01	16.46	90	6.3	0.94	1.3	5.7	9.4	--	7.5	7.6
01/10/2005	NP		23.47	6.00	10.50	5.51	17.96	710	0.55	<0.50	0.52	53	40	--	1.54	7.2
04/14/2005	NP		23.47	6.00	10.50	5.67	17.80	1,800	130	5.9	54	350	40	--	2.0	6.8
08/02/2005	NP		23.47	6.00	10.50	5.94	17.53	3,800	210	7.3	250	520	19	--	--	6.9
10/21/2005	NP		23.47	6.00	10.50	6.69	16.78	4,100	330	7.4	190	420	16	--	1.42	6.9
01/04/2006	NP		23.47	6.00	10.50	5.55	17.92	5,100	580	14	210	420	30	--	0.62	6.8
04/28/2006	NP		23.47	6.00	10.50	5.52	17.95	2,900	190	5.9	59	150	9.9	--	1.74	7.0
8/4/2006	NP		23.47	6.00	10.50	6.51	16.96	3,800	380	7.6	34	140	14	--	0.82	6.9
10/23/2006	P		23.47	6.00	10.50	7.34	16.13	3,300	310	96	70	210	13	--	--	6.99
1/15/2007	P		23.47	6.00	10.50	6.67	16.80	5,600	320	300	220	820	10	--	1.03	7.03
4/17/2007	NP		23.47	6.00	10.50	6.72	16.75	3,400	200	12	160	250	5.9	--	2.25	7.11
7/9/2007	NP		23.47	6.00	10.50	7.30	16.17	2,600	240	7.0	15	63	6.9	--	2.28	7.16
10/1/2007	NP		23.47	6.00	10.50	7.56	15.91	2,300	220	5.4	4.6	13	4.2	--	2.33	7.19
1/7/2008	NP		23.47	6.00	10.50	6.12	17.35	2,100	190	8.8	18	46	4.1	--	1.06	6.97
4/1/2008	NP		23.47	6.00	10.50	6.48	16.99	2,300	87	2.9	27	68	1.8	--	2.50	7.01
7/23/2008	NP		23.47	6.00	10.50	7.16	16.31	2,900	210	<10	52	78	<10	--	1.4	7.03
10/22/2008	NP		23.47	6.00	10.50	7.77	15.70	4,000	310	7.4	<5.0	7.9	<5.0	--	2.64	7.01
1/21/2009	P	a	23.47	6.00	10.50	7.26	16.21	2,300	51	<5.0	9.4	17	<5.0	--	0.19	7.18
4/21/2009	NP		23.47	6.00	10.50	6.83	16.64	2,100	0.69	<0.50	<0.50	11	0.74	--	1.54	7.08
7/21/2009	--		23.47	6.00	10.50	7.57	15.90	--	--	--	--	--	--	--	--	--
1/12/2010	--		23.47	6.00	10.50	6.80	16.67	--	--	--	--	--	--	--	--	--
6/3/2010	P		23.47	6.00	10.50	6.38	17.09	6,200	140	18	78	110	<2.5	--	1.77	6.9
MW-6																
6/10/1991	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
10/10/1991	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
3/23/1992	--		22.08	5.50	9.00	7.45	14.63	75,000	19,000	10,000	1,600	8,600	--	--	--	--
6/8/1992	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
9/15/1992	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/16/1992	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-6 Cont.																
2/16/1993	--		22.08	5.50	9.00	6.79	15.29	65,000	14,000	3,500	1,300	6,100	--	--	--	--
5/13/1993	--		22.08	5.50	9.00	7.73	14.35	36,000	8,200	870	1,000	5,200	--	--	--	--
8/17/1993	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/8/1993	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
2/14/1994	--		22.08	5.50	9.00	7.78	14.30	47,000	14,000	390	1,000	5,100	--	--	--	--
5/5/1994	--	n	22.08	5.50	9.00	8.24	13.84	45,000	14,000	<200	1,300	4,500	--	--	--	--
8/4/1994	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/20/1994	--	n	22.08	5.50	9.00	7.41	14.67	30,000	11,000	<100	1,200	2,300	--	--	--	--
3/17/1995	--	n	22.08	5.50	9.00	6.66	15.42	45,000	9,300	<100	1,900	3,600	--	--	--	--
6/1/1995	--		22.08	5.50	9.00	7.60	14.48	23,000	5,600	<50	1,300	1,900	--	--	--	--
8/31/1995	--		22.08	5.50	9.00	7.92	14.16	26,000	8,000	<100	1,900	900	<500	--	--	--
11/27/1995	--		22.08	5.50	9.00	8.21	13.87	6,700	1,800	<20	480	230	--	--	--	--
2/22/1996	--		22.08	5.50	9.00	6.21	15.87	17,000	3,100	69	810	1,500	<300	--	--	--
5/20/1996	--		22.08	5.50	9.00	7.07	15.01	16,000	3,700	<50	1,100	1,100	<300	--	--	--
8/26/1996	--		22.08	5.50	9.00	7.93	14.15	23,000	5,800	<50	2,000	560	<300	--	--	--
11/20/1996	--	j	22.08	5.50	9.00	8.02	14.06	11,000	3,300	<50	480	370	<300	--	--	--
3/24/1997	--		22.77	5.50	9.00	7.95	14.82	9,700	1,900	<20	800	270	<100	--	--	--
5/23/1997	--		22.77	5.50	9.00	8.17	14.60	16,000	4,300	<50	1,400	180	<300	--	--	--
8/19/1997	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/19/1997	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
2/19/1998	--		22.77	5.50	9.00	5.78	16.99	2,600	540	8	90	88	<30	--	--	--
4/23/1998	--		22.77	5.50	9.00	6.83	15.94	7,600	1,300	13	520	190	<60	--	0.5	--
7/27/1998	--		22.77	5.50	9.00	7.80	14.97	15,000	3,600	<25	1,100	230	<150	--	1	--
10/14/1998	--		22.77	5.50	9.00	8.31	14.46	8,700	2,400	<20	220	36	<120	--	2	--
1/21/1999	--		22.77	5.50	9.00	7.90	14.87	4,800	1,100	<25	340	79	<150	--	2	--
5/6/1999	--		22.77	5.50	9.00	7.70	15.07	1,300	240	2.3	85	19	5	--	1.18	--
8/23/1999	--		22.77	5.50	9.00	8.24	14.53	4,200	970	12	110	29	<15	--	0.9	--
10/28/1999	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
2/4/2000	--		22.77	5.50	9.00	7.31	15.46	110	<0.5	0.6	1.5	1.9	11	--	1.1	--
6/20/2000	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
9/29/2000	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-6 Cont.																
12/17/2000	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
3/28/2001	--	b	22.77	5.50	9.00	7.57	15.20	--	--	--	--	--	--	--	--	--
6/20/2001	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
9/22/2001	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
12/27/2001	--		22.77	5.50	9.00	7.21	15.56	<50	2.6	0.57	1.1	1.6	<2.5	--	--	--
3/15/2002	--		22.77	5.50	9.00	7.51	15.26	2,100	380	8.6	110	17	<25	--	--	--
4/18/2002	--		22.77	5.50	9.00	6.89	15.88	2,200	440	12	96	14	52	--	--	--
7/23/2002	NP		22.77	5.50	9.00	8.50	14.27	--	--	--	--	--	--	--	--	--
10/16/2002	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
1/23/2003	NP	g	22.77	5.50	9.00	8.05	14.72	<5,000	<50	<50	<50	<50	<50	--	2.1	6.4
1/23/2003	--	g, h	22.77	5.50	9.00	--	--	<250	58	<2.5	6.2	3.8	17	--	2.1	--
4/7/2003	--		22.77	5.50	9.00	8.11	14.66	330	13	<0.50	2.7	8.6	15	--	2.2	6.9
8/7/2003	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
10/23/2003	NP		22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
01/12/2004	NP		22.77	5.50	9.00	7.63	15.14	3,600	560	<25	120	<25	150	--	0.6	7.1
04/20/2004	NP	c, r	24.66	5.50	9.00	8.54	16.12	--	--	--	--	--	--	--	--	--
07/01/2004	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/04/2004	NP		24.66	5.50	9.00	8.10	16.56	4,900	580	<10	180	30	230	--	2.9	6.9
01/10/2005	NP		24.66	5.50	9.00	7.03	17.63	5,400	540	<25	150	46	240	--	1.29	6.9
04/14/2005	NP		24.66	5.50	9.00	6.85	17.81	3,600	410	5.2	100	25	210	--	2.7	--
08/02/2005	NP		24.66	5.50	9.00	7.28	17.38	4,300	340	<5.0	110	44	150	--	--	6.8
10/21/2005	NP		24.66	5.50	9.00	7.38	17.28	3,400	250	<5.0	80	20	110	--	2.38	6.8
01/04/2006	NP		24.66	5.50	9.00	7.20	17.46	2,800	270	4.0	75	14	130	--	1.07	7.3
04/28/2006	NP		24.66	5.50	9.00	6.60	18.06	4,400	170	<2.5	45	7.2	170	--	1.3	6.8
8/4/2006	NP		24.66	5.50	9.00	7.50	17.16	2,200	93	<2.5	15	9.0	110	--	1.23	6.7
10/23/2006	--		24.66	5.50	9.00	8.48	16.18	--	--	--	--	--	--	--	--	--
1/15/2007	--		24.66	5.50	9.00	8.05	16.61	--	--	--	--	--	--	--	--	--
4/17/2007	NP		24.66	5.50	9.00	7.58	17.08	330	5.6	<1.0	1.5	1.2	24	--	1.82	7.02
7/9/2007	NP		24.66	5.50	9.00	8.34	16.32	1,600	63	1.4	16	9.4	51	--	1.73	7.13
10/1/2007	--		24.66	5.50	9.00	8.60	16.06	--	--	--	--	--	--	--	--	--
1/7/2008	NP		24.66	5.50	9.00	7.22	17.44	300	2.2	<0.50	2.8	1.0	37	--	3.24	7.16

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-6 Cont.																
4/1/2008	NP		24.66	5.50	9.00	7.87	16.79	110	<0.50	<0.50	<0.50	<0.50	1.4	--	6.21	7.19
7/23/2008	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
10/22/2008	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
1/21/2009	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
4/21/2009	--	c	24.66	5.50	9.00	7.91	16.75	--	--	--	--	--	--	--	--	--
7/21/2009	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
1/12/2010	--		24.66	5.50	9.00	8.11	16.55	--	--	--	--	--	--	--	--	--
6/3/2010	--		24.66	5.50	9.00	7.45	17.21	--	--	--	--	--	--	--	--	--
MW-7																
6/10/1991	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
10/10/1991	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
3/23/1992	--		22.89	8.00	10.00	8.20	14.69	270	10	0.5	3	13	--	--	--	--
6/8/1992	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
9/15/1992	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
11/16/1992	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
2/16/1993	--		22.89	8.00	10.00	7.84	15.05	120	3.6	<0.5	<0.5	1.2	--	--	--	--
5/13/1993	--		22.89	8.00	10.00	8.56	14.33	<50	0.8	<0.5	<0.5	<0.5	--	--	--	--
8/17/1993	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
11/8/1993	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
2/14/1994	--		22.89	8.00	10.00	8.80	14.09	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/5/1994	--		22.89	8.00	10.00	9.11	13.78	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/4/1994	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
11/20/1994	--		22.89	8.00	10.00	8.72	14.17	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
3/17/1995	--		22.89	8.00	10.00	7.68	15.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
6/1/1995	--		22.89	8.00	10.00	8.40	14.49	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/31/1995	--		22.89	8.00	10.00	9.09	13.80	<50	<0.5	<0.5	0.6	<0.5	<3	--	--	--
11/27/1995	--		22.89	8.00	10.00	9.15	13.74	<50	<0.5	<0.5	0.9	<0.5	--	--	--	--
2/22/1996	--		22.89	8.00	10.00	7.44	15.45	110	1.4	<0.5	3.8	3	<3	--	--	--
5/20/1996	--		22.89	8.00	10.00	8.47	14.42	--	--	--	--	--	--	--	--	--
8/26/1996	--		22.89	8.00	10.00	8.81	14.08	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-7 Cont.																
11/20/1996	--		22.89	8.00	10.00	9.17	13.72	--	--	--	--	--	--	--	--	--
3/24/1997	--		22.89	8.00	10.00	8.31	14.58	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/23/1997	--		22.89	8.00	10.00	9.26	13.63	--	--	--	--	--	--	--	--	--
8/19/1997	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
11/19/1997	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
2/19/1998	--		22.89	8.00	10.00	6.13	16.76	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
4/23/1998	--		22.89	8.00	10.00	7.44	15.45	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.5	--
7/27/1998	--		22.89	8.00	10.00	8.75	14.14	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--
10/14/1998	--		22.89	8.00	10.00	9.22	13.67	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--
1/21/1999	--		22.89	8.00	10.00	9.07	13.82	52	<0.5	<0.5	<0.5	0.27	<3	--	3.0	--
5/6/1999	--		22.89	8.00	10.00	8.32	14.57	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.83	--
8/23/1999	--		22.89	8.00	10.00	9.25	13.64	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.42	--
10/28/1999	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
2/4/2000	--		22.89	8.00	10.00	8.79	14.10	<50	<0.5	<0.5	<0.5	<1	<3	--	4.46	--
6/20/2000	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
9/29/2000	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
12/17/2000	--		22.89	8.00	10.00	8.93	13.96	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
3/28/2001	--		22.89	8.00	10.00	8.35	14.54	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
6/20/2001	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
9/22/2001	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
12/27/2001	--		22.89	8.00	10.00	8.42	14.47	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
3/15/2002	--		22.89	8.00	10.00	8.54	14.35	<50	1.3	2.6	1.1	5.4	<2.5	--	--	--
4/18/2002	--		22.89	8.00	10.00	7.84	15.05	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	3.32	--
7/23/2002	NP		22.89	8.00	10.00	9.51	13.38	--	--	--	--	--	--	--	--	--
10/16/2002	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
1/23/2003	NP	g	22.89	8.00	10.00	8.04	14.85	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.4	6.7
4/7/2003	--		22.89	8.00	10.00	8.39	14.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.1	6.9
8/7/2003	--		22.89	8.00	10.00	9.01	13.88	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	4.5	6.9
10/23/2003	NP		22.89	8.00	10.00	9.22	13.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--
01/12/2004	NP		22.89	8.00	10.00	8.81	14.08	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.8	7.3
04/20/2004	NP	r	25.46	8.00	10.00	8.95	16.51	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.6	7.2

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-7 Cont.																
07/01/2004	--	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
11/04/2004	NP		25.46	8.00	10.00	9.04	16.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.4	7.1
01/10/2005	NP		25.46	8.00	10.00	8.25	17.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	7.02	7.0
04/14/2005	--		25.46	8.00	10.00	7.95	17.51	--	--	--	--	--	--	--	--	--
08/02/2005	NP		25.46	8.00	10.00	8.40	17.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	6.8
10/21/2005	--		25.46	8.00	10.00	8.92	16.54	--	--	--	--	--	--	--	--	--
01/04/2006	--		25.46	8.00	10.00	8.62	16.84	--	--	--	--	--	--	--	--	--
04/28/2006	--		25.46	8.00	10.00	7.78	17.68	--	--	--	--	--	--	--	--	--
8/4/2006	NP		25.46	8.00	10.00	8.78	16.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	4.49	7.2
10/23/2006	--		25.46	8.00	10.00	9.39	16.07	--	--	--	--	--	--	--	--	--
1/15/2007	--		25.46	8.00	10.00	9.06	16.40	--	--	--	--	--	--	--	--	--
4/17/2007	--		25.46	8.00	10.00	9.12	16.34	--	--	--	--	--	--	--	--	--
7/9/2007	NP	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
10/1/2007	--		25.46	8.00	10.00	9.60	15.86	--	--	--	--	--	--	--	--	--
1/7/2008	--		25.46	8.00	10.00	8.99	16.47	--	--	--	--	--	--	--	--	--
4/1/2008	--		25.46	8.00	10.00	8.35	17.11	--	--	--	--	--	--	--	--	--
7/23/2008	--	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
10/22/2008	--	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
1/21/2009	--		25.46	8.00	10.00	9.35	16.11	--	--	--	--	--	--	--	--	--
4/21/2009	--		25.46	8.00	10.00	8.72	16.74	--	--	--	--	--	--	--	--	--
7/21/2009	--	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
1/12/2010	--		25.46	8.00	10.00	9.11	16.35	--	--	--	--	--	--	--	--	--
6/3/2010	--		25.46	8.00	10.00	8.34	17.12	--	--	--	--	--	--	--	--	--
MW-8																
6/10/1991	--		20.97	6.50	10.50	7.80	13.17	5,800	73	7.2	150	21	--	--	--	--
10/10/1991	--		20.97	6.50	10.50	8.87	12.10	2,800	31	6.1	4.5	3.9	--	--	--	--
3/23/1992	--	n	20.97	6.50	10.50	5.81	15.16	8,000	18	<5	320	42	--	--	--	--
6/8/1992	--	n	20.97	6.50	10.50	8.01	12.96	4,000	<10	<10	110	<10	--	--	--	--
9/15/1992	--	n	20.97	6.50	10.50	8.80	12.17	4,200	6.4	<5	120	<5	--	--	--	--
11/16/1992	--	n	20.97	6.50	10.50	8.19	12.78	2,600	4	<2.5	21	5.2	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-8 Cont.																
2/16/1993	--	n	20.97	6.50	10.50	5.84	15.13	8,700	<5	<5	200	<5	--	--	--	--
5/13/1993	--	n	20.97	6.50	10.50	6.93	14.04	2,300	<5	<5	42	<5	--	--	--	--
8/17/1993	--	n	20.97	6.50	10.50	7.87	13.10	1,700	1.8	<1.3	16	1.2	--	--	--	--
11/8/1993	--	n	20.97	6.50	10.50	8.31	12.66	1,200	2.4	<1	19	2.3	--	--	--	--
2/14/1994	--	n	20.97	6.50	10.50	7.00	13.97	3,600	3	<1	72	<1	--	--	--	--
5/5/1994	--	n	20.97	6.50	10.50	7.46	13.51	2,100	<2.5	<2.5	8.3	<2.5	--	--	--	--
8/4/1994	--	n	20.97	6.50	10.50	8.17	12.80	1,200	1.5	<1	6.7	<1	--	--	--	--
11/20/1994	--		20.97	6.50	10.50	6.78	14.19	2,300	1.2	1.1	20	2.2	--	--	--	--
3/17/1995	--	n	20.97	6.50	10.50	6.14	14.83	5,400	<5	<5	35	<5	--	--	--	--
6/1/1995	--		20.97	6.50	10.50	6.50	14.47	2,600	<2.5	<2.5	15	<2.5	--	--	--	--
8/31/1995	--		20.97	6.50	10.50	7.35	13.62	1,400	<3	<3	5	<3	520	--	--	--
11/27/1995	--		20.97	6.50	10.50	7.60	13.37	620	<0.5	<0.5	<0.5	0.5	560	--	--	--
2/22/1996	--		20.97	6.50	10.50	5.35	15.62	5,800	<5	<5	28	<5	110	--	--	--
5/20/1996	--		20.97	6.50	10.50	5.92	15.05	6,100	<5	<5	26	<5	240	--	--	--
8/26/1996	--		20.97	6.50	10.50	7.08	13.89	970	<1	<1	3	<1	710	--	--	--
11/20/1996	--		20.97	6.50	10.50	7.01	13.96	3,900	<2.5	<2.5	12	<2.5	930	--	--	--
3/24/1997	--		20.89	6.50	10.50	7.33	13.56	1,400	<10	<10	<10	12	1,300	--	--	--
5/23/1997	--		20.89	6.50	10.50	7.55	13.34	730	<5	<5	<5	<5	630	--	--	--
8/19/1997	--		20.89	6.50	10.50	7.87	13.02	<500	<5	<5	<5	<5	290	--	--	--
11/19/1997	--		20.89	6.50	10.50	7.87	13.02	<200	<2	<2	<2	<2	260	--	--	--
2/19/1998	--		20.89	6.50	10.50	4.46	16.43	2,000	<2	<2	9	<2	140	--	--	--
4/23/1998	--		20.89	6.50	10.50	6.35	14.54	4,500	<5	<5	<5	11	590	--	0.5	--
7/27/1998	--		20.89	6.50	10.50	7.43	13.46	--	--	--	--	--	--	--	--	--
10/14/1998	--		20.89	6.50	10.50	7.79	13.10	--	--	--	--	--	--	--	--	--
1/21/1999	--		20.89	6.50	10.50	6.54	14.35	2,000	<2	<2	3	<2	320	--	2.5	--
5/6/1999	--		20.89	6.50	10.50	7.30	13.59	<50	<0.5	<0.5	<0.5	<0.5	160	--	12.76	--
8/23/1999	--		20.89	6.50	10.50	7.45	13.44	<50	<0.5	<0.5	<0.5	<0.5	5	--	7.85	--
10/28/1999	--		20.89	6.50	10.50	8.22	12.67	160	<0.5	<0.5	<0.5	<1	45	--	0.84	--
2/4/2000	--		20.89	6.50	10.50	8.47	12.42	<50	<0.5	<0.5	<0.5	<1	<3	--	1.92	--
6/20/2000	--		20.89	6.50	10.50	7.23	13.66	150	<0.5	0.9	<0.5	<1.0	310	--	--	--
9/29/2000	--		20.89	6.50	10.50	7.91	12.98	149	<0.5	<0.5	<0.5	<0.5	438	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-8 Cont.																
12/17/2000	--		20.89	6.50	10.50	7.11	13.78	662	<5.0	<5.0	<5.0	<5.0	273	--	--	--
3/28/2001	--		20.89	6.50	10.50	6.88	14.01	840	<5.0	<5.0	<5.0	<5.0	320	--	--	--
6/20/2001	--		20.89	6.50	10.50	7.25	13.64	230	<0.5	<0.5	<0.5	0.65	330	--	--	--
9/22/2001	--		20.89	6.50	10.50	8.14	12.75	<50	<0.5	<0.5	<0.5	<0.5	6.5	--	--	--
12/27/2001	--		20.89	6.50	10.50	6.73	14.16	780	<0.5	<0.5	0.6	0.89	160	--	--	--
3/15/2002	--		20.89	6.50	10.50	6.94	13.95	1,100	<10	<10	<10	<10	830	--	--	--
4/18/2002	--		20.89	6.50	10.50	--	--	--	--	--	--	--	--	--	--	--
7/23/2002	NP		20.89	6.50	10.50	7.89	13.00	<50	<0.50	<0.50	<0.50	<0.50	8.7	--	4.5	7.7
10/16/2002	NP		20.89	6.50	10.50	8.13	12.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	4.2	7.5
1/23/2003	NP	g	20.89	6.50	10.50	6.47	14.42	<50	<0.50	<0.50	<0.50	<0.50	2.6	--	4.0	7.5
4/7/2003	--		20.89	6.50	10.50	7.49	13.40	<50	<0.50	<0.50	<0.50	<0.50	19	--	4.7	7.5
8/7/2003	--	m	20.89	6.50	10.50	7.93	12.96	<50	<0.50	<0.50	<0.50	<0.50	0.96	--	14.8	8.3
10/23/2003	NP		20.89	6.50	10.50	7.83	13.06	<50	<0.50	<0.50	<0.50	<0.50	2.2	--	--	--
01/12/2004	NP		20.89	6.50	10.50	6.62	14.27	<50	<0.50	<0.50	<0.50	<0.50	13	--	11.2	9.0
04/20/2004	NP	r	23.55	6.50	10.50	8.21	15.34	55	<0.50	<0.50	<0.50	<0.50	25	--	10.1	8.7
07/01/2004	NP		23.55	6.50	10.50	8.48	15.07	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	14.3	8.0
11/04/2004	NP		23.55	6.50	10.50	7.19	16.36	<50	<0.50	<0.50	<0.50	<0.50	13	--	12.0	7.9
01/10/2005	NP		23.55	6.50	10.50	5.42	18.13	<50	<0.50	<0.50	<0.50	<0.50	10	--	2.65	7.1
04/14/2005	--		23.55	6.50	10.50	5.74	17.81	--	--	--	--	--	--	--	--	--
08/02/2005	NP		23.55	6.50	10.50	6.60	16.95	<50	<0.50	<0.50	<0.50	<0.50	16	--	--	7.1
10/21/2005	--	Well inaccessible p	23.55	6.50	10.50	--	--	--	--	--	--	--	--	--	--	--
01/04/2006	--		23.55	6.50	10.50	4.97	18.58	--	--	--	--	--	--	--	--	--
04/28/2006	--		23.55	6.50	10.50	5.67	17.88	--	--	--	--	--	--	--	--	--
8/4/2006	NP		23.55	6.50	10.50	7.37	16.18	<50	<0.50	<0.50	<0.50	<0.50	16	--	0.76	7.3
10/23/2006	--		23.55	6.50	10.50	7.74	15.81	--	--	--	--	--	--	--	--	--
1/15/2007	--		23.55	6.50	10.50	7.04	16.51	--	--	--	--	--	--	--	--	--
4/17/2007	--		23.55	6.50	10.50	6.94	16.61	--	--	--	--	--	--	--	--	--
7/9/2007	NP		23.55	6.50	10.50	7.71	15.84	<50	<0.50	<0.50	<0.50	<0.50	17	--	1.90	7.25
10/1/2007	--		23.55	6.50	10.50	8.00	15.55	--	--	--	--	--	--	--	--	--
1/7/2008	--		23.55	6.50	10.50	5.79	17.76	--	--	--	--	--	--	--	--	--
4/1/2008	--		23.55	6.50	10.50	6.89	16.66	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-8 Cont.																
7/23/2008	NP		23.55	6.50	10.50	7.80	15.75	<50	<0.50	<0.50	<0.50	<0.50	8.6	--	1.62	7.08
10/22/2008	--		23.55	6.50	10.50	8.19	15.36	--	--	--	--	--	--	--	--	--
1/21/2009	--		23.55	6.50	10.50	7.75	15.80	--	--	--	--	--	--	--	--	--
4/21/2009	--		23.55	6.50	10.50	6.66	16.89	--	--	--	--	--	--	--	--	--
7/21/2009	P		23.55	6.50	10.50	7.86	15.69	<50	<0.50	<0.50	<0.50	<0.50	3.3	--	13.97	7.56
1/12/2010	--		23.55	6.50	10.50	6.89	16.66	--	--	--	--	--	--	--	--	--
6/3/2010	--		23.55	6.50	10.50	6.45	17.10	--	--	--	--	--	--	--	--	--
MW-9																
6/11/1993	--		20.89	6.00	19.50	8.15	12.74	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
8/17/1993	--		20.89	6.00	19.50	8.53	12.36	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
11/8/1993	--		20.89	6.00	19.50	8.87	12.02	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
2/14/1994	--		20.89	6.00	19.50	7.47	13.42	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
5/5/1994	--		20.89	6.00	19.50	8.04	12.85	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
8/4/1994	--		20.89	6.00	19.50	8.78	12.11	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
11/20/1994	--		20.89	6.00	19.50	6.83	14.06	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
3/17/1995	--		20.89	6.00	19.50	6.94	13.95	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
6/1/1995	--		20.89	6.00	19.50	8.15	12.74	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
8/31/1995	--		20.89	6.00	19.50	8.10	12.79	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
11/27/1995	--		20.89	6.00	19.50	8.38	12.51	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
2/22/1996	--		20.89	6.00	19.50	7.36	13.53	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
5/20/1996	--		20.89	6.00	19.50	7.81	13.08	--	--	--	--	--	--	--	--	--
8/26/1996	--		20.89	6.00	19.50	8.00	12.89	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
11/20/1996	--		20.89	6.00	19.50	7.06	13.83	--	--	--	--	--	--	--	--	--
3/24/1997	--		22.26	6.00	19.50	7.74	14.52	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
5/23/1997	--		22.26	6.00	19.50	8.28	13.98	--	--	--	--	--	--	--	--	--
8/19/1997	--		22.26	6.00	19.50	8.32	13.94	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
11/19/1997	--		22.26	6.00	19.50	8.32	13.94	--	--	--	--	--	--	--	--	--
2/19/1998	--		22.26	6.00	19.50	7.11	15.15	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
4/23/1998	--		22.26	6.00	19.50	8.18	14.08	--	--	--	--	--	--	--	--	--
7/27/1998	--		22.26	6.00	19.50	7.97	14.29	<50	<0.50	<0.50	<0.50	<0.50	<3	--	3.6	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-9 Cont.																
10/14/1998	--		22.26	6.00	19.50	8.29	13.97	<50	<0.50	<0.50	<0.50	<0.50	<3	--	2.5	--
1/21/1999	--		22.26	6.00	19.50	7.63	14.63	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.5	--
5/6/1999	--		22.26	6.00	19.50	7.27	14.99	--	--	--	--	--	--	--	--	--
8/23/1999	--		22.26	6.00	19.50	8.24	14.02	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.93	--
10/28/1999	--		22.26	6.00	19.50	8.63	13.63	--	--	--	--	--	--	--	--	--
2/4/2000	--		22.26	6.00	19.50	8.01	14.25	<50	<0.50	1.6	<0.50	<1	<3	--	1.47	--
6/20/2000	--		22.26	6.00	19.50	8.01	14.25	--	--	--	--	--	--	--	--	--
9/29/2000	--		22.26	6.00	19.50	8.44	13.82	<50	<0.5	<0.5	<0.5	<0.5	3.44	--	--	--
12/17/2000	--		22.26	6.00	19.50	7.84	14.42	--	--	--	--	--	--	--	--	--
3/28/2001	--		22.26	6.00	19.50	7.58	14.68	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
6/20/2001	--		22.26	6.00	19.50	7.75	14.51	--	--	--	--	--	--	--	--	--
9/22/2001	--		22.26	6.00	19.50	8.69	13.57	<50	<0.5	<0.5	<0.5	<0.5	7.8	--	--	--
12/27/2001	--		22.26	6.00	19.50	7.15	15.11	--	--	--	--	--	--	--	--	--
3/15/2002	--		22.26	6.00	19.50	7.23	15.03	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
4/18/2002	--		22.26	6.00	19.50	6.79	15.47	--	--	--	--	--	--	--	--	--
7/23/2002	P		22.26	6.00	19.50	8.30	13.96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.4	7.2
10/16/2002	--		22.26	6.00	19.50	8.64	13.62	--	--	--	--	--	--	--	--	--
1/23/2003	P	g	22.26	6.00	19.50	7.35	14.91	<50	<0.50	<0.50	<0.50	<0.50	2.2	--	3.0	7.2
4/7/2003	--		22.26	6.00	19.50	7.81	14.45	--	--	--	--	--	--	--	--	--
8/7/2003	--		22.26	6.00	19.50	8.31	13.95	--	--	--	--	--	--	--	--	--
10/23/2003	--		22.26	6.00	19.50	8.48	13.78	--	--	--	--	--	--	--	--	--
01/12/2004	--		22.26	6.00	19.50	7.46	14.80	--	--	--	--	--	--	--	--	--
04/20/2004	--	r	23.64	6.00	19.50	8.65	14.99	--	--	--	--	--	--	--	--	--
07/01/2004	P		23.64	6.00	19.50	9.03	14.61	<50	<0.50	<0.50	<0.50	<0.50	3.2	--	1.3	6.9
11/04/2004	--		23.64	6.00	19.50	7.60	16.04	--	--	--	--	--	--	--	--	--
01/10/2005	--		23.64	6.00	19.50	6.24	17.40	--	--	--	--	--	--	--	--	--
04/14/2005	--		23.64	6.00	19.50	6.90	16.74	--	--	--	--	--	--	--	--	--
08/02/2005	NP		23.64	6.00	19.50	7.60	16.04	<50	<0.50	<0.50	<0.50	<0.50	3.8	--	--	7.0
10/21/2005	--		23.64	6.00	19.50	8.09	15.55	--	--	--	--	--	--	--	--	--
01/04/2006	--		23.64	6.00	19.50	6.15	17.49	--	--	--	--	--	--	--	--	--
04/28/2006	--		23.64	6.00	19.50	6.95	16.69	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-9 Cont.																
8/4/2006	NP		23.64	6.00	19.50	7.90	15.74	<50	<0.50	<0.50	<0.50	<0.50	4.0	--	1.23	7.3
10/23/2006	--		23.64	6.00	19.50	8.30	15.34	--	--	--	--	--	--	--	--	--
1/15/2007	--		23.64	6.00	19.50	8.82	14.82	--	--	--	--	--	--	--	--	--
4/17/2007	--		23.64	6.00	19.50	7.89	15.75	--	--	--	--	--	--	--	--	--
7/9/2007	NP		23.64	6.00	19.50	8.28	15.36	<50	<0.50	<0.50	<0.50	<0.50	2.0	--	1.80	7.31
10/1/2007	--		23.64	6.00	19.50	8.50	15.14	--	--	--	--	--	--	--	--	--
1/7/2008	--		23.64	6.00	19.50	8.38	15.26	--	--	--	--	--	--	--	--	--
4/1/2008	--		23.64	6.00	19.50	7.92	15.72	--	--	--	--	--	--	--	--	--
7/23/2008	NP		23.64	6.00	19.50	8.16	15.48	<50	<0.50	<0.50	<0.50	<0.50	5.0	--	1.39	7.23
10/22/2008	--		23.64	6.00	19.50	8.71	14.93	--	--	--	--	--	--	--	--	--
1/21/2009	--		23.64	6.00	19.50	8.30	15.34	--	--	--	--	--	--	--	--	--
4/21/2009	--		23.64	6.00	19.50	7.84	15.80	--	--	--	--	--	--	--	--	--
7/21/2009	NP		23.64	6.00	19.50	8.35	15.29	<50	<0.50	<0.50	<0.50	<0.50	2.6	--	8.05	7.63
1/12/2010	--		23.64	6.00	19.50	7.61	16.03	--	--	--	--	--	--	--	--	--
6/3/2010	--		23.64	6.00	19.50	7.62	16.02	--	--	--	--	--	--	--	--	--
MW-10																
6/11/1993	--		21.12	6.00	16.50	8.14	12.98	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
8/17/1993	--		21.12	6.00	16.50	8.54	12.58	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
11/8/1993	--		21.12	6.00	16.50	8.70	12.42	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
2/14/1994	--		21.12	6.00	16.50	7.13	13.99	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
5/5/1994	--		21.12	6.00	16.50	8.08	13.04	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
8/4/1994	--		21.12	6.00	16.50	8.84	12.28	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
11/20/1994	--		21.12	6.00	16.50	7.05	14.07	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
3/17/1995	--		21.12	6.00	16.50	6.26	14.86	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
6/1/1995	--		21.12	6.00	16.50	7.63	13.49	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
8/31/1995	--		21.12	6.00	16.50	8.17	12.95	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
11/27/1995	--		21.12	6.00	16.50	8.38	12.74	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--
2/22/1996	--		21.12	6.00	16.50	5.41	15.71	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
5/20/1996	--		21.12	6.00	16.50	6.78	14.34	--	--	--	--	--	--	--	--	--
8/26/1996	--		21.12	6.00	16.50	8.00	13.12	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-10 Cont.																
11/20/1996	--		21.12	6.00	16.50	7.81	13.31	--	--	--	--	--	--	--	--	--
3/24/1997	--		21.33	6.00	16.50	7.87	13.46	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
5/23/1997	--		21.33	6.00	16.50	8.33	13.00	--	--	--	--	--	--	--	--	--
8/19/1997	--		21.33	6.00	16.50	8.39	12.94	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
11/19/1997	--		21.33	6.00	16.50	8.39	12.94	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
2/19/1998	--		21.33	6.00	16.50	4.65	16.68	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--
4/23/1998	--		21.33	6.00	16.50	6.28	15.05	<50	<0.50	<0.50	<0.50	<0.50	<3	--	0.5	--
7/27/1998	--		21.33	6.00	16.50	7.97	13.36	<50	<0.50	<0.50	<0.50	<0.50	<3	--	3.3	--
10/14/1998	--		21.33	6.00	16.50	8.41	12.92	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.0	--
1/21/1999	--		21.33	6.00	16.50	6.65	14.68	<50	<0.50	<0.50	<0.50	<0.50	<3	--	0.5	--
5/6/1999	--		21.33	6.00	16.50	7.74	13.59	<50	<0.50	<0.50	<0.50	<0.50	<3	--	0.76	--
8/23/1999	--		21.33	6.00	16.50	8.37	12.96	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.21	--
10/28/1999	--		21.33	6.00	16.50	8.73	12.60	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.12	--
2/4/2000	--		21.33	6.00	16.50	8.78	12.55	<50	<0.50	<0.50	<0.50	<0.50	<3	--	2.84	--
6/20/2000	--		21.33	6.00	16.50	7.99	13.34	<0.5	<0.5	<0.5	<0.5	<0.5	<3.0	--	--	--
9/29/2000	--		21.33	6.00	16.50	8.40	12.93	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/17/2000	--		21.33	6.00	16.50	7.91	13.42	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
3/28/2001	--		21.33	6.00	16.50	7.47	13.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
6/20/2001	--		21.33	6.00	16.50	8.11	13.22	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
9/22/2001	--		21.33	6.00	16.50	8.77	12.56	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/27/2001	--		21.33	6.00	16.50	6.94	14.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
3/15/2002	--		21.33	6.00	16.50	7.48	13.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
4/18/2002	--		21.33	6.00	16.50	6.77	14.56	<50	<0.5	<0.5	<0.5	<0.5	3.8	--	1.22	--
7/23/2002	NP		21.33	6.00	16.50	8.42	12.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.0	7.2
10/16/2002	NP		21.33	6.00	16.50	8.77	12.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.0	6.4
1/23/2003	NP	g	21.33	6.00	16.50	7.12	14.21	<50	<0.50	<0.50	<0.50	<0.50	1.4	--	1.3	7.4
4/7/2003	--		21.33	6.00	16.50	7.73	13.60	<50	<0.50	<0.50	<0.50	<0.50	1.6	--	1.3	7.0
8/7/2003	--		21.33	6.00	16.50	8.45	12.88	<50	<0.50	<0.50	<0.50	<0.50	1.5	--	1.3	7.3
10/23/2003	--		21.33	6.00	16.50	8.71	12.62	--	--	--	--	--	--	--	--	--
01/12/2004	NP		21.33	6.00	16.50	7.25	14.08	<50	<0.50	<0.50	<0.50	<0.50	1.7	--	8.2	7.5
04/20/2004	--	r	23.42	6.00	16.50	8.15	15.27	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-10 Cont.																
07/01/2004	NP		23.42	6.00	16.50	8.90	14.52	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	1.0	7.1
11/04/2004	--		23.42	6.00	16.50	7.68	15.74	--	--	--	--	--	--	--	--	--
01/10/2005	NP		23.42	6.00	16.50	6.13	17.29	<50	<0.50	<0.50	<0.50	<0.50	2.2	--	0.9	7.3
04/14/2005	--		23.42	6.00	16.50	6.68	16.74	--	--	--	--	--	--	--	--	--
08/02/2005	NP		23.42	6.00	16.50	7.54	15.88	<50	<0.50	<0.50	<0.50	<0.50	1.7	--	--	7.1
10/21/2005	--		23.42	6.00	16.50	8.12	15.30	--	--	--	--	--	--	--	--	--
01/04/2006	NP		23.42	6.00	16.50	5.40	18.02	<50	<0.50	<0.50	<0.50	<0.50	2.0	--	1.4	7.3
04/28/2006	--		23.42	6.00	16.50	6.65	16.77	--	--	--	--	--	--	--	--	--
8/4/2006	NP		23.42	6.00	16.50	8.92	14.50	<50	<0.50	<0.50	<0.50	<0.50	1.8	--	0.87	7.3
10/23/2006	--		23.42	6.00	16.50	8.23	15.19	--	--	--	--	--	--	--	--	--
1/15/2007	P		23.42	6.00	16.50	7.47	15.95	<50	<0.50	<0.50	<0.50	<0.50	2.2	--	1.15	7.21
4/17/2007	--		23.42	6.00	16.50	7.74	15.68	--	--	--	--	--	--	--	--	--
7/9/2007	NP		23.42	6.00	16.50	8.35	15.07	<50	<0.50	<0.50	<0.50	<0.50	2.0	--	2.71	7.48
10/1/2007	--		23.42	6.00	16.50	8.74	14.68	--	--	--	--	--	--	--	--	--
1/7/2008	NP		23.42	6.00	16.50	6.02	17.40	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	1.22	7.41
4/1/2008	--		23.42	6.00	16.50	8.97	14.45	--	--	--	--	--	--	--	--	--
7/23/2008	NP		23.42	6.00	16.50	8.62	14.80	<50	<0.50	<0.50	<0.50	<0.50	1.9	--	1.2	7.35
10/22/2008	--		23.42	6.00	16.50	9.02	14.40	--	--	--	--	--	--	--	--	--
1/21/2009	P		23.42	6.00	16.50	8.55	14.87	<50	<0.50	<0.50	<0.50	<0.50	1.6	--	0.57	7.45
4/21/2009	--		23.42	6.00	16.50	8.15	15.27	--	--	--	--	--	--	--	--	--
7/21/2009	NP		23.42	6.00	16.50	8.81	14.61	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	7.60	7.77
1/12/2010	P		23.42	6.00	16.50	7.90	15.52	<50	<0.50	<0.50	<0.50	<0.50	1.3	--	2.20	7.0
6/3/2010	--		23.42	6.00	16.50	7.53	15.89	--	--	--	--	--	--	--	--	--
MW-11																
11/16/1992	--	n	22.38	7.00	12.00	9.02	13.36	7,000	21	<10	18	230	--	--	--	--
2/16/1993	--	n	22.38	7.00	12.00	7.11	15.27	2,200	<10	<10	11	<10	--	--	--	--
5/13/1993	--	n	22.38	7.00	12.00	8.04	14.34	1,600	<2.5	<2.5	41	6.8	--	--	--	--
8/17/1993	--	n	22.38	7.00	12.00	8.78	13.60	830	1.4	<1.0	25	15	--	--	--	--
11/8/1993	--	n	22.38	7.00	12.00	9.23	13.15	370	<1.0	<1.0	2.5	2.1	--	--	--	--
2/14/1994	--	n	22.38	7.00	12.00	7.94	14.44	650	<1	<1.0	2	4	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-11 Cont.																
5/5/1994	--		22.38	7.00	12.00	8.55	13.83	210	<0.5	<0.5	2.5	0.6	--	--	--	--
8/4/1994	--	n	22.38	7.00	12.00	9.13	13.25	390	<0.5	<0.7	1.9	2.2	--	--	--	--
11/20/1994	--		22.38	7.00	12.00	7.73	14.65	1,300	1.3	0.5	1.5	21	--	--	--	--
3/17/1995	--		22.38	7.00	12.00	6.94	15.44	100	<0.5	<0.5	<0.5	<0.5	--	--	--	--
6/1/1995	--		22.38	7.00	12.00	7.90	14.48	210	<0.5	<0.5	0.9	0.7	--	--	--	--
8/31/1995	--		22.38	7.00	12.00	8.18	14.20	680	<0.5	<0.5	4	1.8	<3	--	--	--
11/27/1995	--		22.38	7.00	12.00	8.48	13.90	340	<0.5	<0.5	2.2	1.6	--	--	--	--
2/22/1996	--		22.38	7.00	12.00	6.63	15.75	150	<0.5	<0.5	<0.8	<0.8	<3	--	--	--
5/20/1996	--		22.38	7.00	12.00	7.25	15.13	--	--	--	--	--	--	--	--	--
8/26/1996	--		22.38	7.00	12.00	8.22	14.16	--	--	--	--	--	--	--	--	--
11/20/1996	--		22.38	7.00	12.00	8.37	14.01	--	--	--	--	--	--	--	--	--
3/24/1997	--		20.97	7.00	12.00	8.15	12.82	63	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/23/1997	--		20.97	7.00	12.00	8.48	12.49	--	--	--	--	--	--	--	--	--
8/19/1997	--		20.97	7.00	12.00	8.67	12.30	--	--	--	--	--	--	--	--	--
11/19/1997	--		20.97	7.00	12.00	8.67	12.30	--	--	--	--	--	--	--	--	--
2/19/1998	--		20.97	7.00	12.00	6.25	14.72	<50	<0.5	1.6	<0.5	1.8	7	--	--	--
4/23/1998	--		20.97	7.00	12.00	7.23	13.74	--	--	--	--	--	--	--	--	--
7/27/1998	--		20.97	7.00	12.00	8.05	12.92	--	--	--	--	--	--	--	--	--
10/14/1998	--		20.97	7.00	12.00	8.58	12.39	--	--	--	--	--	--	--	--	--
1/21/1999	--		20.97	7.00	12.00	8.25	12.72	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.5	--
5/6/1999	--		20.97	7.00	12.00	7.95	13.02	--	--	--	--	--	--	--	--	--
8/23/1999	--		20.97	7.00	12.00	8.51	12.46	--	--	--	--	--	--	--	0.86	--
10/28/1999	--		20.97	7.00	12.00	8.95	12.02	--	--	--	--	--	--	--	--	--
2/4/2000	--		20.97	7.00	12.00	7.88	13.09	<50	<0.5	<0.5	<0.5	<1	<3	--	3.29	--
6/20/2000	--		20.97	7.00	12.00	8.18	12.79	--	--	--	--	--	--	--	--	--
9/29/2000	--		20.97	7.00	12.00	8.60	12.37	--	--	--	--	--	--	--	--	--
12/17/2000	--		20.97	7.00	12.00	8.48	12.49	--	--	--	--	--	--	--	--	--
3/28/2001	--		20.97	7.00	12.00	7.88	13.09	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
6/20/2001	--		20.97	7.00	12.00	8.48	12.49	--	--	--	--	--	--	--	--	--
9/22/2001	--		20.97	7.00	12.00	9.11	11.86	--	--	--	--	--	--	--	--	--
12/27/2001	--		20.97	7.00	12.00	7.50	13.47	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-11 Cont.																
3/15/2002	--		20.97	7.00	12.00	7.87	13.10	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
4/18/2002	--		20.97	7.00	12.00	7.22	13.75	--	--	--	--	--	--	--	--	--
7/23/2002	--		20.97	7.00	12.00	8.76	12.21	--	--	--	--	--	--	--	--	--
10/16/2002	--		20.97	7.00	12.00	9.15	11.82	--	--	--	--	--	--	--	--	--
1/23/2003	P	g	20.97	7.00	12.00	7.61	13.36	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.4	7.4
4/7/2003	--		20.97	7.00	12.00	8.25	12.72	--	--	--	--	--	--	--	--	--
8/7/2003	--		20.97	7.00	12.00	8.84	12.13	--	--	--	--	--	--	--	--	--
10/23/2003	--		20.97	7.00	12.00	9.09	11.88	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--
01/12/2004	--		20.97	7.00	12.00	7.70	13.27	--	--	--	--	--	--	--	--	--
04/20/2004	--	r	24.97	7.00	12.00	9.18	15.79	--	--	--	--	--	--	--	--	--
07/01/2004	P	o	24.97	7.00	12.00	9.90	15.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.8	7.01
11/04/2004	--		24.97	7.00	12.00	8.21	16.76	--	--	--	--	--	--	--	--	--
01/10/2005	--		24.97	7.00	12.00	6.94	18.03	--	--	--	--	--	--	--	--	--
04/14/2005	--		24.97	7.00	12.00	6.77	18.20	--	--	--	--	--	--	--	--	--
08/02/2005	--		24.97	7.00	12.00	7.57	17.40	--	--	--	--	--	--	--	--	--
10/21/2005	--		24.97	7.00	12.00	8.08	16.89	--	--	--	--	--	--	--	--	--
01/04/2006	--		24.97	7.00	12.00	7.20	17.77	--	--	--	--	--	--	--	--	--
04/28/2006	--		24.97	7.00	12.00	6.90	18.07	--	--	--	--	--	--	--	--	--
8/4/2006	--		24.97	7.00	12.00	8.32	16.65	--	--	--	--	--	--	--	--	--
10/23/2006	--		24.97	7.00	12.00	8.75	16.22	--	--	--	--	--	--	--	--	--
1/15/2007	--		24.97	7.00	12.00	8.19	16.78	--	--	--	--	--	--	--	--	--
4/17/2007	--		24.97	7.00	12.00	8.32	16.65	--	--	--	--	--	--	--	--	--
7/9/2007	--		24.97	7.00	12.00	8.73	16.24	--	--	--	--	--	--	--	--	--
10/1/2007	--		24.97	7.00	12.00	8.65	16.32	--	--	--	--	--	--	--	--	--
1/7/2008	--		24.97	7.00	12.00	7.52	17.45	--	--	--	--	--	--	--	--	--
4/1/2008	--		24.97	7.00	12.00	8.18	16.79	--	--	--	--	--	--	--	--	--
7/23/2008	--		24.97	7.00	12.00	9.27	15.70	--	--	--	--	--	--	--	--	--
10/22/2008	--		24.97	7.00	12.00	9.11	15.86	--	--	--	--	--	--	--	--	--
1/21/2009	--		24.97	7.00	12.00	8.72	16.25	--	--	--	--	--	--	--	--	--
4/21/2009	--		24.97	7.00	12.00	8.22	16.75	--	--	--	--	--	--	--	--	--
7/21/2009	--		24.97	7.00	12.00	8.98	15.99	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-11 Cont.																
1/12/2010	--		24.97	7.00	12.00	8.39	16.58	--	--	--	--	--	--	--	--	--
6/3/2010	--		24.97	7.00	12.00	7.77	17.20	--	--	--	--	--	--	--	--	--
MW-12																
11/16/1992	--		22.77	7.50	12.50	9.65	13.12	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/16/1993	--		22.77	7.50	12.50	7.88	14.89	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/13/1993	--		22.77	7.50	12.50	8.63	14.14	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/17/1993	--		22.77	7.50	12.50	9.30	13.47	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/8/1993	--		22.77	7.50	12.50	9.72	13.05	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/14/1994	--		22.77	7.50	12.50	8.24	14.53	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/5/1994	--		22.77	7.50	12.50	8.97	13.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/4/1994	--		22.77	7.50	12.50	9.57	13.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/20/1994	--		22.77	7.50	12.50	8.06	14.71	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
3/17/1995	--		22.77	7.50	12.50	7.09	15.68	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
6/1/1995	--		22.77	7.50	12.50	8.40	14.37	--	--	--	--	--	--	--	--	--
8/31/1995	--		22.77	7.50	12.50	8.55	14.22	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
11/27/1995	--		22.77	7.50	12.50	8.95	13.82	--	--	--	--	--	--	--	--	--
2/22/1996	--		22.77	7.50	12.50	6.81	15.96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/20/1996	--		22.77	7.50	12.50	7.56	15.21	--	--	--	--	--	--	--	--	--
8/26/1996	--		22.77	7.50	12.50	8.63	14.14	--	--	--	--	--	--	--	--	--
11/20/1996	--		22.77	7.50	12.50	8.38	14.39	--	--	--	--	--	--	--	--	--
3/24/1997	--		20.11	7.50	12.50	8.75	11.36	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/23/1997	--		20.11	7.50	12.50	8.92	11.19	--	--	--	--	--	--	--	--	--
8/19/1997	--		20.11	7.50	12.50	9.20	10.91	--	--	--	--	--	--	--	--	--
11/19/1997	--		20.11	7.50	12.50	9.20	10.91	--	--	--	--	--	--	--	--	--
2/19/1998	--		20.11	7.50	12.50	6.28	13.83	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
4/23/1998	--		20.11	7.50	12.50	7.52	12.59	--	--	--	--	--	--	--	--	--
7/27/1998	--		20.11	7.50	12.50	8.52	11.59	--	--	--	--	--	--	--	--	--
10/14/1998	--		20.11	7.50	12.50	9.06	11.05	--	--	--	--	--	--	--	--	--
1/21/1999	--		20.11	7.50	12.50	8.20	11.91	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--
5/6/1999	--		20.11	7.50	12.50	8.47	11.64	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-12 Cont.																
8/23/1999	--		20.11	7.50	12.50	9.04	11.07	--	--	--	--	--	--	--	0.85	--
10/28/1999	--		20.11	7.50	12.50	9.40	10.71	--	--	--	--	--	--	--	--	--
2/4/2000	--		20.11	7.50	12.50	8.38	11.73	<50	<0.5	<0.5	<0.5	<1	<3	--	3.34	--
6/20/2000	--		20.11	7.50	12.50	8.55	11.56	--	--	--	--	--	--	--	--	--
9/29/2000	--		20.11	7.50	12.50	8.98	11.13	--	--	--	--	--	--	--	--	--
12/17/2000	--		20.11	7.50	12.50	8.76	11.35	--	--	--	--	--	--	--	--	--
3/28/2001	--		20.11	7.50	12.50	8.31	11.80	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
6/20/2001	--		20.11	7.50	12.50	9.10	11.01	--	--	--	--	--	--	--	--	--
9/22/2001	--		20.11	7.50	12.50	9.48	10.63	--	--	--	--	--	--	--	--	--
12/27/2001	--		20.11	7.50	12.50	7.78	12.33	--	--	--	--	--	--	--	--	--
3/15/2002	--		20.11	7.50	12.50	8.22	11.89	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
4/18/2002	--		20.11	7.50	12.50	7.65	12.46	--	--	--	--	--	--	--	--	--
7/23/2002	--		20.11	7.50	12.50	9.18	10.93	--	--	--	--	--	--	--	--	--
10/16/2002	--		20.11	7.50	12.50	9.51	10.60	--	--	--	--	--	--	--	--	--
1/23/2003	--		20.11	7.50	12.50	7.86	12.25	--	--	--	--	--	--	--	--	--
4/7/2003	--		20.11	7.50	12.50	8.58	11.53	--	--	--	--	--	--	--	--	--
8/7/2003	--		20.11	7.50	12.50	9.23	10.88	--	--	--	--	--	--	--	--	--
10/23/2003	P		20.11	7.50	12.50	9.44	10.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--
01/12/2004	--		20.11	7.50	12.50	8.08	12.03	--	--	--	--	--	--	--	--	--
04/20/2004	--	r	25.32	7.50	12.50	9.28	16.04	--	--	--	--	--	--	--	--	--
07/01/2004	P		25.32	7.50	12.50	9.65	15.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.8	7.0
11/04/2004	--		25.32	7.50	12.50	8.53	16.79	--	--	--	--	--	--	--	--	--
01/10/2005	--		25.32	7.50	12.50	7.04	18.28	--	--	--	--	--	--	--	--	--
04/14/2005	--		25.32	7.50	12.50	6.95	18.37	--	--	--	--	--	--	--	--	--
08/02/2005	--		25.32	7.50	12.50	8.05	17.27	--	--	--	--	--	--	--	--	--
10/21/2005	--		25.32	7.50	12.50	8.70	16.62	--	--	--	--	--	--	--	--	--
01/04/2006	--		25.32	7.50	12.50	10.00	15.32	--	--	--	--	--	--	--	--	--
04/28/2006	--		25.32	7.50	12.50	7.19	18.13	--	--	--	--	--	--	--	--	--
8/4/2006	--		25.32	7.50	12.50	8.80	16.52	--	--	--	--	--	--	--	--	--
10/23/2006	--		25.32	7.50	12.50	9.17	16.15	--	--	--	--	--	--	--	--	--
1/15/2007	--		25.32	7.50	12.50	8.57	16.75	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-12 Cont.																
4/17/2007	--		25.32	7.50	12.50	8.68	16.64	--	--	--	--	--	--	--	--	--
7/9/2007	--		25.32	7.50	12.50	9.18	16.14	--	--	--	--	--	--	--	--	--
10/1/2007	--		25.32	7.50	12.50	9.45	15.87	--	--	--	--	--	--	--	--	--
1/7/2008	--		25.32	7.50	12.50	7.58	17.74	--	--	--	--	--	--	--	--	--
4/1/2008	--		25.32	7.50	12.50	8.57	16.75	--	--	--	--	--	--	--	--	--
7/23/2008	--		25.32	7.50	12.50	9.34	15.98	--	--	--	--	--	--	--	--	--
10/22/2008	--		25.32	7.50	12.50	9.64	15.68	--	--	--	--	--	--	--	--	--
1/21/2009	--		25.32	7.50	12.50	9.25	16.07	--	--	--	--	--	--	--	--	--
4/21/2009	--		25.32	7.50	12.50	8.66	16.66	--	--	--	--	--	--	--	--	--
7/21/2009	--		25.32	7.50	12.50	9.42	15.90	--	--	--	--	--	--	--	--	--
1/12/2010	--		25.32	7.50	12.50	8.86	16.46	--	--	--	--	--	--	--	--	--
6/3/2010	--		25.32	7.50	12.50	8.20	17.12	--	--	--	--	--	--	--	--	--
MW-13																
11/16/1992	--		22.45	--	13.00	9.02	13.43	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/16/1993	--		22.45	--	13.00	7.14	15.31	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/13/1993	--		22.45	--	13.00	7.95	14.50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/17/1993	--		22.45	--	13.00	8.57	13.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/8/1993	--		22.45	--	13.00	8.86	13.59	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/14/1994	--		22.45	--	13.00	7.78	14.67	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/5/1994	--		22.45	--	13.00	8.38	14.07	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/4/1994	--		22.45	--	13.00	8.78	13.67	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/20/1994	--		22.45	--	13.00	7.68	14.77	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
3/17/1995	--		22.45	--	13.00	6.91	15.54	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
6/1/1995	--		22.45	--	13.00	7.72	14.73	--	--	--	--	--	--	--	--	--
8/31/1995	--		22.45	--	13.00	7.58	14.87	--	--	--	--	--	--	--	--	--
11/27/1995	--		22.45	--	13.00	7.98	14.47	--	--	--	--	--	--	--	--	--
2/22/1996	--		22.45	--	13.00	6.71	15.74	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/20/1996	--		22.45	--	13.00	6.98	15.47	--	--	--	--	--	--	--	--	--
8/26/1996	--		22.45	--	13.00	7.85	14.60	--	--	--	--	--	--	--	--	--
11/20/1996	--		22.45	--	13.00	7.76	14.69	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-13 Cont.																
3/24/1997	--		20.75	--	13.00	7.85	12.90	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/23/1997	--		20.75	--	13.00	8.16	12.59	--	--	--	--	--	--	--	--	--
8/19/1997	--		20.75	--	13.00	8.40	12.35	--	--	--	--	--	--	--	--	--
11/19/1997	--		20.75	--	13.00	8.40	12.35	--	--	--	--	--	--	--	--	--
2/19/1998	--		20.75	--	13.00	6.44	14.31	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
4/23/1998	--		20.75	--	13.00	6.80	13.95	--	--	--	--	--	--	--	--	--
7/27/1998	--		20.75	--	13.00	7.52	13.23	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--
10/14/1998	--		20.75	--	13.00	8.15	12.60	<50	<0.5	<0.5	<0.5	<0.5	<3	--	2.0	--
1/21/1999	--		20.75	--	13.00	7.85	12.90	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--
5/6/1999	--		20.75	--	13.00	7.82	12.93	--	--	--	--	--	--	--	--	--
8/23/1999	--		20.75	--	13.00	8.29	12.46	--	--	--	--	--	--	--	0.94	--
10/28/1999	--		20.75	--	13.00	8.55	12.20	--	--	--	--	--	--	--	--	--
2/4/2000	--		20.75	--	13.00	8.11	12.64	<50	<0.5	0.6	<0.5	<1	<3	--	1.27	--
6/20/2000	--		20.75	--	13.00	7.56	13.19	--	--	--	--	--	--	--	--	--
9/29/2000	--		20.75	--	13.00	8.27	12.48	--	--	--	--	--	--	--	--	--
12/17/2000	--		20.75	--	13.00	8.09	12.66	--	--	--	--	--	--	--	--	--
3/28/2001	--		20.75	--	13.00	7.69	13.06	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
6/20/2001	--		20.75	--	13.00	8.46	12.29	--	--	--	--	--	--	--	--	--
9/22/2001	--		20.75	--	13.00	8.57	12.18	--	--	--	--	--	--	--	--	--
12/27/2001	--		20.75	--	13.00	7.14	13.61	--	--	--	--	--	--	--	--	--
3/15/2002	--		20.75	--	13.00	7.62	13.13	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
4/18/2002	--		20.75	--	13.00	6.91	13.84	--	--	--	--	--	--	--	--	--
7/23/2002	--		20.75	--	13.00	8.50	12.25	--	--	--	--	--	--	--	--	--
10/16/2002	--		20.75	--	13.00	8.74	12.01	--	--	--	--	--	--	--	--	--
1/23/2003	P	g	20.75	--	13.00	7.35	13.40	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	3.4	7.0
4/7/2003	--		20.75	--	13.00	7.99	12.76	--	--	--	--	--	--	--	--	--
8/7/2003	--		20.75	--	13.00	8.60	12.15	--	--	--	--	--	--	--	--	--
10/23/2003	P		20.75	--	13.00	8.55	12.20	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--
01/12/2004	--		20.75	--	13.00	7.56	13.19	--	--	--	--	--	--	--	--	--
04/20/2004	--	r	25.01	--	13.00	4.57	20.44	--	--	--	--	--	--	--	--	--
07/01/2004	P		25.01	--	13.00	8.71	16.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.4	6.9

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-13 Cont.																
11/04/2004	--		25.01	--	13.00	7.79	17.22	--	--	--	--	--	--	--	--	--
01/10/2005	--		25.01	--	13.00	6.80	18.21	--	--	--	--	--	--	--	--	--
04/14/2005	--		25.01	--	13.00	6.88	18.13	--	--	--	--	--	--	--	--	--
08/02/2005	--		25.01	--	13.00	7.15	17.86	--	--	--	--	--	--	--	--	--
10/21/2005	--		25.01	--	13.00	7.96	17.05	--	--	--	--	--	--	--	--	--
01/04/2006	--		25.01	--	13.00	7.64	17.37	--	--	--	--	--	--	--	--	--
04/28/2006	--		25.01	--	13.00	6.97	18.04	--	--	--	--	--	--	--	--	--
8/4/2006	--		25.01	--	13.00	8.18	16.83	--	--	--	--	--	--	--	--	--
10/23/2006	--		25.01	--	13.00	8.51	16.50	--	--	--	--	--	--	--	--	--
1/15/2007	--		25.01	--	13.00	7.91	17.10	--	--	--	--	--	--	--	--	--
4/17/2007	--		25.01	--	13.00	8.04	16.97	--	--	--	--	--	--	--	--	--
7/9/2007	--		25.01	--	13.00	8.50	16.51	--	--	--	--	--	--	--	--	--
10/1/2007	--		25.01	--	13.00	8.72	16.29	--	--	--	--	--	--	--	--	--
1/7/2008	--		25.01	--	13.00	8.27	16.74	--	--	--	--	--	--	--	--	--
4/1/2008	--		25.01	--	13.00	7.88	17.13	--	--	--	--	--	--	--	--	--
7/23/2008	--		25.01	--	13.00	6.40	18.61	--	--	--	--	--	--	--	--	--
10/22/2008	--		25.01	--	13.00	8.86	16.15	--	--	--	--	--	--	--	--	--
1/21/2009	--		25.01	--	13.00	8.54	16.47	--	--	--	--	--	--	--	--	--
4/21/2009	--		25.01	--	13.00	7.96	17.05	--	--	--	--	--	--	--	--	--
7/21/2009	--		25.01	--	13.00	8.77	16.24	--	--	--	--	--	--	--	--	--
1/12/2010	--		25.01	--	13.00	8.21	16.80	--	--	--	--	--	--	--	--	--
6/3/2010	--		25.01	--	13.00	7.51	17.50	--	--	--	--	--	--	--	--	--
MW-14																
9/15/1992	--		22.99	7.50	13.50	10.66	12.33	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/16/1992	--		22.99	7.50	13.50	10.33	12.66	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/16/1993	--		22.99	7.50	13.50	8.18	14.81	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/13/1993	--		22.99	7.50	13.50	9.05	13.94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/17/1993	--		22.99	7.50	13.50	22.99	0.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/8/1993	--		22.99	7.50	13.50	10.25	12.74	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/14/1994	--		22.99	7.50	13.50	8.80	14.19	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-14 Cont.																
5/5/1994	--		22.99	7.50	13.50	9.49	13.50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/4/1994	--		22.99	7.50	13.50	10.11	12.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/20/1994	--		22.99	7.50	13.50	8.66	14.33	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
3/17/1995	--		22.99	7.50	13.50	8.17	14.82	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
6/1/1995	--		22.99	7.50	13.50	8.57	14.42	--	--	--	--	--	--	--	--	--
8/31/1995	--		22.99	7.50	13.50	9.05	13.94	--	--	--	--	--	--	--	--	--
11/27/1995	--		22.99	7.50	13.50	9.19	13.80	--	--	--	--	--	--	--	--	--
2/22/1996	--		22.99	7.50	13.50	6.52	16.47	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/20/1996	--		22.99	7.50	13.50	7.88	15.11	--	--	--	--	--	--	--	--	--
8/26/1996	--		22.99	7.50	13.50	8.83	14.16	--	--	--	--	--	--	--	--	--
11/20/1996	--		22.99	7.50	13.50	8.95	14.04	--	--	--	--	--	--	--	--	--
3/24/1997	--		20.90	7.50	13.50	8.98	11.92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/23/1997	--		20.90	7.50	13.50	9.61	11.29	--	--	--	--	--	--	--	--	--
8/19/1997	--		20.90	7.50	13.50	9.80	11.10	--	--	--	--	--	--	--	--	--
11/19/1997	--		20.90	7.50	13.50	9.80	11.10	<50	1.7	<0.5	0.6	3	<3	--	--	--
2/19/1998	--		20.90	7.50	13.50	6.27	14.63	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
4/23/1998	--		20.90	7.50	13.50	7.75	13.15	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.5	--
7/27/1998	--		20.90	7.50	13.50	9.24	11.66	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.0	--
10/14/1998	--		20.90	7.50	13.50	9.73	11.17	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.0	--
1/21/1999	--		20.90	7.50	13.50	8.90	12.00	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--
5/6/1999	--		20.90	7.50	13.50	8.98	11.92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.73	--
8/23/1999	--		20.90	7.50	13.50	9.68	11.22	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.91	--
10/28/1999	--		20.90	7.50	13.50	10.00	10.90	<50	<0.5	<0.5	<0.5	<1	<10	--	1.06	--
2/4/2000	--		20.90	7.50	13.50	8.19	12.71	<50	<0.5	0.5	<0.5	<1	<3	--	1.21	--
6/20/2000	--		20.90	7.50	13.50	9.16	11.74	<50	<0.5	<0.5	<0.5	<1.0	<10	--	--	--
9/29/2000	--		20.90	7.50	13.50	9.48	11.42	<50	<0.5	<0.5	<0.5	<0.5	<2.50	--	--	--
12/17/2000	--		20.90	7.50	13.50	9.24	11.66	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
3/28/2001	--		20.90	7.50	13.50	8.91	11.99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
6/20/2001	--		20.90	7.50	13.50	9.70	11.20	<50	<0.5	<0.5	<0.5	<0.5	3.1	--	--	--
9/22/2001	--		20.90	7.50	13.50	10.04	10.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/27/2001	--		20.90	7.50	13.50	8.33	12.57	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-14 Cont.																
3/15/2002	--		20.90	7.50	13.50	8.75	12.15	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
4/18/2002	--		20.90	7.50	13.50	8.21	12.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
7/23/2002	NP		20.90	7.50	13.50	9.76	11.14	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.4	7.1
10/16/2002	NP		20.90	7.50	13.50	10.10	10.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.1	5.8
1/23/2003	NP	g	20.90	7.50	13.50	8.41	12.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.3	7.1
4/7/2003	--		20.90	7.50	13.50	9.09	11.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.4	6.9
8/7/2003	--		20.90	7.50	13.50	9.81	11.09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.4	6.7
10/23/2003	P		20.90	7.50	13.50	10.04	10.86	--	--	--	--	--	--	--	--	--
01/12/2004	P		20.90	7.50	13.50	8.89	12.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.0	7.2
04/20/2004	--	r	25.55	7.50	13.50	9.62	15.93	--	--	--	--	--	--	--	--	--
07/01/2004	NP		25.55	7.50	13.50	10.03	15.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.6	6.7
11/04/2004	--		25.55	7.50	13.50	9.13	16.42	--	--	--	--	--	--	--	--	--
01/10/2005	NP		25.55	7.50	13.50	7.61	17.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.06	6.9
04/14/2005	--		25.55	7.50	13.50	7.70	17.85	--	--	--	--	--	--	--	--	--
08/02/2005	NP		25.55	7.50	13.50	8.73	16.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	6.9
10/21/2005	--		25.55	7.50	13.50	9.47	16.08	--	--	--	--	--	--	--	--	--
01/04/2006	--		25.55	7.50	13.50	6.92	18.63	--	--	--	--	--	--	--	--	--
04/28/2006	--		25.55	7.50	13.50	7.71	17.84	--	--	--	--	--	--	--	--	--
8/4/2006	NP		25.55	7.50	13.50	9.32	16.23	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	0.95	6.8
10/23/2006	--		25.55	7.50	13.50	9.66	15.89	--	--	--	--	--	--	--	--	--
1/15/2007	--		25.55	7.50	13.50	9.05	16.50	--	--	--	--	--	--	--	--	--
4/17/2007	--		25.55	7.50	13.50	9.16	16.39	--	--	--	--	--	--	--	--	--
7/9/2007	NP		25.55	7.50	13.50	9.67	15.88	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.87	7.13
10/1/2007	--		25.55	7.50	13.50	9.95	15.60	--	--	--	--	--	--	--	--	--
1/7/2008	--		25.55	7.50	13.50	8.74	16.81	--	--	--	--	--	--	--	--	--
4/1/2008	--		25.55	7.50	13.50	9.13	16.42	--	--	--	--	--	--	--	--	--
7/23/2008	NP		25.55	7.50	13.50	9.86	15.69	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.18	6.93
10/22/2008	--		25.55	7.50	13.50	10.20	15.35	--	--	--	--	--	--	--	--	--
1/21/2009	--		25.55	7.50	13.50	9.81	15.74	--	--	--	--	--	--	--	--	--
4/21/2009	--		25.55	7.50	13.50	9.22	16.33	--	--	--	--	--	--	--	--	--
7/21/2009	NP		25.55	7.50	13.50	9.90	15.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	11.04	7.21

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-14 Cont.																
1/12/2010	--		25.55	7.50	13.50	9.31	16.24	--	--	--	--	--	--	--	--	--
6/3/2010	--		25.55	7.50	13.50	8.71	16.84	--	--	--	--	--	--	--	--	--
MW-15																
5/13/1993	--		19.19	5.50	10.50	5.91	13.28	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/17/1993	--		19.19	5.50	10.50	6.54	12.65	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/8/1993	--		19.19	5.50	10.50	6.98	12.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/14/1994	--		19.19	5.50	10.50	5.44	13.75	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/5/1994	--		19.19	5.50	10.50	6.18	13.01	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/4/1994	--		19.19	5.50	10.50	6.84	12.35	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/20/1994	--		19.19	5.50	10.50	5.31	13.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
3/17/1995	--		19.19	5.50	10.50	5.21	13.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
6/1/1995	--		19.19	5.50	10.50	5.84	13.35	--	--	--	--	--	--	--	--	--
8/31/1995	--		19.19	5.50	10.50	6.18	13.01	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
11/27/1995	--		19.19	5.50	10.50	6.42	12.77	--	--	--	--	--	--	--	--	--
2/22/1996	--		19.19	5.50	10.50	4.84	14.35	<50	<0.5	<0.5	<0.5	<0.5	12	--	--	--
5/20/1996	--		19.19	5.50	10.50	5.31	13.88	--	--	--	--	--	--	--	--	--
8/26/1996	--		19.19	5.50	10.50	6.05	13.14	<50	<0.5	<0.5	<0.5	<0.5	8	--	--	--
11/20/1996	--		19.19	5.50	10.50	5.46	13.73	--	--	--	--	--	--	--	--	--
3/24/1997	--		22.08	5.50	10.50	6.00	16.08	<50	<0.5	<0.5	<0.5	<0.5	15	--	--	--
5/23/1997	--		22.08	5.50	10.50	6.25	15.83	--	--	--	--	--	--	--	--	--
8/19/1997	--	j	22.08	5.50	10.50	6.34	15.74	99	<0.5	<0.5	<0.5	0.7	6	--	--	--
11/19/1997	--		22.08	5.50	10.50	6.34	15.74	--	--	--	--	--	--	--	--	--
2/19/1998	--		22.08	5.50	10.50	4.66	17.42	<50	<0.5	<0.5	<0.5	<0.5	48	--	--	--
4/23/1998	--		22.08	5.50	10.50	5.18	16.90	--	--	--	--	--	--	--	--	--
7/27/1998	--		22.08	5.50	10.50	6.02	16.06	<50	<0.5	<0.5	<0.5	<0.5	50	--	1.0	--
10/14/1998	--		22.08	5.50	10.50	6.26	15.82	<50	<0.5	<0.5	<0.5	<0.5	27	--	1.5	--
1/21/1999	--		22.08	5.50	10.50	5.33	16.75	<50	<0.5	<0.5	<0.5	<0.5	6	--	1.0	--
5/6/1999	--		22.08	5.50	10.50	5.82	16.26	--	--	--	--	--	--	--	--	--
8/23/1999	--		22.08	5.50	10.50	6.24	15.84	<50	<0.5	<0.5	<0.5	<0.5	21	--	1.14	--
10/28/1999	--		22.08	5.50	10.50	6.60	15.48	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-15 Cont.																
2/4/2000	--		22.08	5.50	10.50	7.02	15.06	<50	<0.5	<0.5	<0.5	<1	<3	--	1.09	--
6/20/2000	--		22.08	5.50	10.50	5.98	16.10	--	--	--	--	--	--	--	--	--
9/29/2000	--		22.08	5.50	10.50	6.50	15.58	<50	<0.5	<0.5	<0.5	<0.5	<2.50	--	--	--
12/17/2000	--		22.08	5.50	10.50	5.89	16.19	--	--	--	--	--	--	--	--	--
3/28/2001	--		22.08	5.50	10.50	5.78	16.30	<50	<0.5	<0.5	<0.5	<0.5	11.1	--	--	--
6/20/2001	--		22.08	5.50	10.50	5.72	16.36	--	--	--	--	--	--	--	--	--
9/22/2001	--		22.08	5.50	10.50	6.79	15.29	<50	<0.5	<0.5	<0.5	<0.5	13	--	--	--
12/27/2001	--		22.08	5.50	10.50	5.49	16.59	--	--	--	--	--	--	--	--	--
3/15/2002	--		22.08	5.50	10.50	5.68	16.40	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
4/18/2002	--		22.08	5.50	10.50	4.85	17.23	--	--	--	--	--	--	--	--	--
7/23/2002	P		22.08	5.50	10.50	6.32	15.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	2.0	7.9
10/16/2002	--		22.08	5.50	10.50	6.69	15.39	--	--	--	--	--	--	--	--	--
1/23/2003	P	g	22.08	5.50	10.50	5.70	16.38	<50	<0.50	<0.50	<0.50	<0.50	1.9	--	2.6	7.5
4/7/2003	--		22.08	5.50	10.50	5.94	16.14	--	--	--	--	--	--	--	--	--
8/7/2003	--		22.08	5.50	10.50	6.32	15.76	--	--	--	--	--	--	--	--	--
10/23/2003	--		22.08	5.50	10.50	6.56	15.52	--	--	--	--	--	--	--	--	--
01/12/2004	--		22.08	5.50	10.50	5.71	16.37	--	--	--	--	--	--	--	--	--
04/20/2004	--	r	21.72	5.50	10.50	7.10	14.62	--	--	--	--	--	--	--	--	--
07/01/2004	P		21.72	5.50	10.50	7.18	14.54	<50	<0.50	<0.50	<0.50	<0.50	1.9	--	1.6	7.3
11/04/2004	--		21.72	5.50	10.50	5.90	15.82	--	--	--	--	--	--	--	--	--
01/10/2005	--		21.72	5.50	10.50	5.30	16.42	--	--	--	--	--	--	--	--	--
04/14/2005	--		21.72	5.50	10.50	5.40	16.32	--	--	--	--	--	--	--	--	--
08/02/2005	P		21.72	5.50	10.50	5.33	16.39	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	6.5
10/21/2005	--		21.72	5.50	10.50	5.92	15.80	--	--	--	--	--	--	--	--	--
01/04/2006	--		21.72	5.50	10.50	5.19	16.53	--	--	--	--	--	--	--	--	--
04/28/2006	--		21.72	5.50	10.50	5.45	16.27	--	--	--	--	--	--	--	--	--
8/4/2006	P		21.72	5.50	10.50	5.99	15.73	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	1.49	7.1
10/23/2006	--		21.72	5.50	10.50	6.36	15.36	--	--	--	--	--	--	--	--	--
1/15/2007	--		21.72	5.50	10.50	6.00	15.72	--	--	--	--	--	--	--	--	--
4/17/2007	--		21.72	5.50	10.50	5.98	15.74	--	--	--	--	--	--	--	--	--
7/9/2007	NP		21.72	5.50	10.50	6.26	15.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.77	7.44

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-15 Cont.																
10/1/2007	--		21.72	5.50	10.50	6.53	15.19	--	--	--	--	--	--	--	--	--
1/7/2008	--		21.72	5.50	10.50	6.12	15.60	--	--	--	--	--	--	--	--	--
4/1/2008	--		21.72	5.50	10.50	5.92	15.80	--	--	--	--	--	--	--	--	--
7/23/2008	NP		21.72	5.50	10.50	6.30	15.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.07	7.32
10/22/2008	--		21.72	5.50	10.50	6.69	15.03	--	--	--	--	--	--	--	--	--
1/21/2009	--		21.72	5.50	10.50	6.22	15.50	--	--	--	--	--	--	--	--	--
4/21/2009	--		21.72	5.50	10.50	5.79	15.93	--	--	--	--	--	--	--	--	--
7/21/2009	NP		21.72	5.50	10.50	6.34	15.38	<50	<0.50	<0.50	<0.50	<0.50	1.4	--	9.63	7.63
1/12/2010	--		21.72	5.50	10.50	5.93	15.79	--	--	--	--	--	--	--	--	--
6/3/2010	--		21.72	5.50	10.50	5.79	15.93	--	--	--	--	--	--	--	--	--
MW-16																
7/21/2009	P		22.89	--	--	12.90	9.99	1,500	2.3	13	36	300	0.68	--	14.83	7.71
1/12/2010	P		22.89	--	--	6.67	16.22	1,700	6.8	4.3	71	48	<0.50	--	1.24	6.8
6/3/2010	P		22.89	--	--	6.13	16.76	4,100	28	9.2	420	170	<1.0	--	--	7.10
MW-17																
7/21/2009	P		23.42	--	--	7.58	15.84	3,700	61	160	150	1,300	2.8	--	11.48	7.57
1/12/2010	P		23.42	--	--	6.98	16.44	11,000	110	72	1,100	1,600	<10	--	1.02	6.80
6/3/2010	P		23.42	--	--	6.37	17.05	19,000	140	45	1,200	2,600	<25	--	1.26	6.99
MW-18																
7/21/2009	P		24.48	--	--	8.73	15.75	290	1.1	<0.50	8.0	1.4	4.8	--	14.25	7.69
1/12/2010	P		24.48	--	--	7.95	16.53	1,000	2.4	<1.0	57	<1.0	5.8	--	1.79	6.8
6/3/2010	--		24.48	--	--	7.33	17.15	--	--	--	--	--	--	--	--	--
MW-19																
7/21/2009	P		25.10	--	--	9.34	15.76	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	13.65	8.03
1/12/2010	--		25.10	--	--	6.75	18.35	--	--	--	--	--	--	--	--	--
6/3/2010	--		25.10	--	--	8.14	16.96	--	--	--	--	--	--	--	--	--

SYMBOLS & ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
GRO = Gasoline range organics, range C4-C12
GWE = Groundwater elevation measured in ft
mg/L = Milligrams per liter
MTBE = Methyl tert-butyl ether
NP = Well not purged before sampling
P = Well purged before sampling
Semi-VOCs = Semivolatile organic compounds
TOC = Top of casing in ft
TPH-g = Total petroleum hydrocarbons as gasoline
g/L = Micrograms per liter
ND = Not detected above the various semi-VOCs laboratory reporting limits

FOOTNOTES:

a = Sheen in well.
b = Well is dry.
c = Insufficient water to sample.
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.
g = TPH, benzene, toluene, ethylbenzene, and total xylenes (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 = GWE adjusted using the formula $GWE = (TOC - DTW) + (\text{free product (FP) thickness} \times 0.8)$.
j = Sample contains a higher boiling point hydrocarbon mixture quantitated as gasoline. The chromatogram did not match the typical gasoline fingerprint.
k = DO reading not taken due to the presence of sheen.
l = FP in well.
m = Gauged with ORC sock in well.
n = Method reporting limit for benzene, toluene, ethylbenzene, and/or total xylenes was raised due to high analyte concentration requiring sample dilution or matrix interference.
o = Well dewatered.
p = Well inaccessible.
q = Insufficient sample available to follow standard QC procedures.
r = Wells resurveyed February 27, 2004.
s = Reporting limits elevated due to matrix interferences (SVOCs).
t = Sample preserved improperly.
u = Reporting limits raised due to high level of non-target analytes (SVOCs) .
v = Wells surveyed June 23, 2009.

NOTES:

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

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

Values for DO and pH were obtained through field measurements.

Top and bottom of screen measurements for wells MW-1 to MW-3, and MW-7 were taken from Delta Environmental Consulting Inc. sampling sheets because the well construction logs were not available.

GRO analysis was completed by EPA method 8260B (C4-C12) for samples collected from the time period April 2006 through February 4, 2008. The analysis for GRO was changed to EPA method 8015B (C6-C12) for samples collected from the time period February 5, 2008 through the present.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
1/23/2003	<4,000	<2,000	<50	<50	<50	<50	<50	<50	
4/7/2003	<1,000	<200	69	<5.0	<5.0	<5.0	<5.0	<5.0	
8/7/2003	<5,000	<1,000	160	<25	<25	<25	<25	<25	
10/23/2003	--	<1,000	220	<25	<25	<25	<25	<25	
01/12/2004	<5,000	<1,000	140	<50	<50	<50	<25	<25	
04/20/2004	<5,000	<1,000	84	<25	<25	<25	<25	<25	
07/01/2004	<2,000	<400	100	<10	<10	<10	<10	<10	
11/04/2004	<1,000	<200	130	<5.0	<5.0	5.5	<5.0	<5.0	
01/10/2005	<1,000	<200	12	<5.0	<5.0	<5.0	<5.0	<5.0	
04/14/2005	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
08/02/2005	<100	530	15	<5.0	<5.0	<5.0	<5.0	<5.0	c
10/21/2005	<1,000	<200	64	<5.0	<5.0	6.2	<5.0	<5.0	
01/04/2006	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	b
04/28/2006	<3,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	a
8/4/2006	<3,000	<200	14	<5.0	<5.0	<5.0	<5.0	<5.0	
10/23/2006	<3,000	<200	16	<5.0	<5.0	<5.0	<5.0	<5.0	b
1/15/2007	--	--	--	--	--	--	--	--	Not sampled due to presence of free product
4/17/2007	<6,000	<400	<10	<10	<10	<10	<10	<10	
7/9/2007	<3,000	<200	81	<5.0	<5.0	<5.0	<5.0	<5.0	
10/1/2007	<3,000	<200	9.3	<5.0	<5.0	<5.0	<5.0	<5.0	
1/7/2008	<3,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
4/1/2008	<12,000	<400	<20	<20	<20	<20	<20	<20	e
7/23/2008	<12,000	<400	<20	<20	<20	<20	<20	<20	
10/22/2008	<12,000	<400	<20	<20	<20	<20	<20	<20	
1/21/2009	<12,000	<400	<20	<20	<20	<20	<20	<20	
4/21/2009	<12,000	<400	<20	<20	<20	<20	<20	<20	h
7/21/2009	<12,000	<400	<20	<20	<20	<20	<20	<20	h
1/12/2010	<6,000	<200	<10	<10	<10	<10	<10	<10	h
MW-2									
1/23/2003	<4,000	<2,000	95	<50	<50	<50	<50	<50	
10/23/2003	--	<100	68	<2.5	<2.5	16	<2.5	<2.5	

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-2 Cont.									
07/01/2004	<100	28	72	<0.50	<0.50	15	<0.50	<0.50	
08/02/2005	<100	<20	12	<0.50	<0.50	3.4	<0.50	<0.50	
8/4/2006	<300	21	7.9	<0.50	<0.50	2.3	<0.50	<0.50	
7/9/2007	<300	<20	3.2	<0.50	<0.50	0.98	<0.50	<0.50	
7/23/2008	<300	<10	0.78	<0.50	<0.50	<0.50	<0.50	<0.50	
7/21/2009	<300	<10	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	
6/3/2010	<300	<10	1.2	<0.50	<0.50	0.76	<0.50	<0.50	
MW-3									
1/23/2003	<8,000	<4,000	<100	<100	<100	<100	<100	<100	
4/7/2003	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
8/7/2003	<20,000	<4,000	<100	<100	<100	<100	<100	<100	
10/23/2003	--	<1,000	<25	<25	<25	<25	<25	<25	
01/12/2004	<1,000	<200	<5.0	<10	<10	<10	<5.0	<5.0	
04/20/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
07/01/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
11/23/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
01/10/2005	<20,000	<4,000	<100	<100	<100	<100	<100	<100	
04/14/2005	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
08/02/2005	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
10/21/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
01/04/2006	<5,000	<1,000	<25	<25	<25	<25	<25	<25	b
04/28/2006	<15,000	<1,000	<25	<25	<25	<25	<25	<25	
8/4/2006	<15,000	<1,000	<25	<25	<25	<25	<25	<25	
10/23/2006	<3,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	b
1/15/2007	<15,000	<1,000	<25	<25	<25	<25	<25	<25	
4/17/2007	<15,000	<1,000	<25	<25	<25	<25	<25	<25	
7/9/2007	<15,000	<1,000	<25	<25	<25	<25	<25	<25	
10/1/2007	<15,000	<1,000	<25	<25	<25	<25	<25	<25	d
4/1/2008	<60,000	<2,000	<100	<100	<100	<100	<100	<100	
7/23/2008	<3,000	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
10/22/2008	<75,000	<2,500	<120	<120	<120	<120	<120	<120	

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
1/21/2009	<60,000	<2,000	<100	<100	<100	<100	<100	<100	
4/21/2009	<30,000	<1,000	<50	<50	<50	<50	<50	<50	
7/21/2009	<15,000	<500	<25	<25	<25	<25	<25	<25	
1/12/2010	<6,000	<200	<10	<10	<10	<10	<10	<10	
6/3/2010	<15,000	<500	<25	<25	<25	<25	<25	<25	
MW-4									
1/23/2003	<200	<100	5.9	<2.5	<2.5	<2.5	<2.5	<2.5	
4/7/2003	<100	<20	9.2	<0.5	<0.5	0.61	<0.5	<0.50	
8/7/2003	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
10/23/2003	--	<100	12	<2.5	<2.5	<2.5	<2.5	<2.5	
01/12/2004	<500	<100	4.3	<5.0	<5.0	<5.0	<2.5	<2.5	
04/20/2004	<1,000	<200	12	<5.0	<5.0	<5.0	<5.0	<5.0	
07/01/2004	<500	<100	15	<2.5	<2.5	<2.5	<2.5	<2.5	
11/04/2004	<200	<40	5.7	<1.0	<1.0	<1.0	<1.0	<1.0	
01/10/2005	<100	<20	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
04/14/2005	<100	<20	4.5	<0.50	<0.50	0.61	<0.50	<0.50	
08/02/2005	<100	<20	7.1	<0.50	<0.50	0.97	3.7	<0.50	
10/21/2005	<200	<40	10	<1.0	<1.0	1.3	<1.0	<1.0	b
01/04/2006	<200	<40	3.7	<1.0	<1.0	<1.0	<1.0	<1.0	b
04/28/2006	<600	<40	3.7	<1.0	<1.0	<1.0	<1.0	<1.0	
8/4/2006	<3,000	<200	15	<5.0	<5.0	<5.0	<5.0	<5.0	
10/23/2006	<300	<20	16	<0.50	<0.50	5.5	<0.50	<0.50	b
1/15/2007	--	--	--	--	--	--	--	--	g
4/17/2007	<600	<40	3.5	<1.0	<1.0	<1.0	<1.0	<1.0	
7/9/2007	<1,200	<80	14	<2.0	<2.0	<2.0	<2.0	<2.0	
10/1/2007	<600	<40	11	<1.0	<1.0	1.6	<1.0	<1.0	
1/7/2008	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
4/1/2008	<300	<10	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	
7/23/2008	--	--	--	--	--	--	--	--	f
10/22/2008	--	--	--	--	--	--	--	--	f
4/21/2009	<300	<10	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-4 Cont.									
6/3/2010	<300	<10	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-5									
1/23/2003	<4,000	<2,000	<50	<50	<50	<50	<50	<50	
4/7/2003	<500	<100	32	<2.5	<2.5	6.3	<2.5	<2.5	
8/7/2003	<100	<20	3.5	<0.50	<0.50	<0.50	<0.50	<0.50	
10/23/2003	--	<20	12	<0.50	<0.50	1.7	<0.50	<0.50	
01/12/2004	<100	<20	11	<1.0	<1.0	1.3	<0.50	<0.50	
04/20/2004	<100	<20	12	<0.50	<0.50	3.0	<0.50	<0.50	
07/01/2004	<100	<20	11	<0.50	<0.50	2.0	<0.50	<0.50	
11/04/2004	<100	<20	9.4	<0.50	<0.50	2.0	<0.50	<0.50	
01/10/2005	<100	<20	40	<0.50	<0.50	9.7	<0.50	<0.50	
04/14/2005	<1,000	<200	40	<5.0	<5.0	9.3	<5.0	<5.0	
08/02/2005	<500	<100	19	<2.5	<2.5	5.0	9.2	<2.5	
10/21/2005	<1,000	<200	16	<5.0	<5.0	<5.0	<5.0	<5.0	
01/04/2006	<1,000	<200	30	<5.0	<5.0	7.2	<5.0	<5.0	b
04/28/2006	<3,000	<200	9.9	<5.0	<5.0	<5.0	<5.0	<5.0	
8/4/2006	<3,000	<200	14	<5.0	<5.0	<5.0	<5.0	<5.0	
10/23/2006	<6,000	<400	13	<10	<10	<10	<10	<10	b
1/15/2007	<6,000	<400	10	<10	<10	<10	<10	<10	
4/17/2007	<3,000	<200	5.9	<5.0	<5.0	<5.0	<5.0	<5.0	
7/9/2007	<3,000	<200	6.9	<5.0	<5.0	<5.0	<5.0	<5.0	
10/1/2007	<1,500	<100	4.2	<2.5	<2.5	<2.5	<2.5	<2.5	
1/7/2008	<1,500	<100	4.1	<2.5	<2.5	<2.5	<2.5	<2.5	
4/1/2008	<300	<10	1.8	<0.50	<0.50	0.70	<0.50	<0.50	
7/23/2008	<6,000	<200	<10	<10	<10	<10	<10	<10	
10/22/2008	<3,000	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
1/21/2009	<3,000	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
4/21/2009	<300	<10	0.74	<0.50	<0.50	<0.50	<0.50	<0.50	
6/3/2010	<1,500	<50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
MW-6									

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-6 Cont.									
1/23/2003	<200	<100	17	<2.5	<2.5	<2.5	<2.5	<2.5	a
1/23/2003	<4,000	<2,000	<50	<50	<50	<50	<50	<50	
4/7/2003	<100	<20	15	<0.5	<0.5	2.1	<0.5	<0.50	
01/12/2004	<5,000	<1,000	150	<50	<50	<50	<25	<25	
11/04/2004	<2,000	<400	230	<10	<10	58	<10	<10	
01/10/2005	<5,000	<1,000	240	<25	<25	65	<25	<25	
04/14/2005	<1,000	<200	210	<5.0	<5.0	56	<5.0	<5.0	
08/02/2005	<1,000	<200	150	<5.0	<5.0	44	<5.0	<5.0	
10/21/2005	<1,000	<200	110	<5.0	<5.0	47	<5.0	<5.0	
01/04/2006	<500	<100	130	<2.5	<2.5	42	<2.5	<2.5	b
04/28/2006	<1,500	<100	170	<2.5	<2.5	59	<2.5	<2.5	
8/4/2006	<1,500	<100	110	<2.5	<2.5	39	<2.5	<2.5	
10/23/2006	--	--	--	--	--	--	--	--	g
1/15/2007	--	--	--	--	--	--	--	--	g
4/17/2007	<600	<40	24	<1.0	<1.0	8.2	<1.0	<1.0	
7/9/2007	<300	<20	51	<0.50	<0.50	21	<0.50	<0.50	
1/7/2008	<300	<20	37	<0.50	<0.50	17	<0.50	<0.50	
4/1/2008	<300	<10	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
7/23/2008	--	--	--	--	--	--	--	--	g
10/22/2008	--	--	--	--	--	--	--	--	g
MW-7									
1/23/2003	<40	<20	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	
4/7/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/7/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/23/2003	--	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/12/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	
04/20/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
11/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/02/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/4/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-7 Cont.									
7/23/2008	--	--	--	--	--	--	--	--	g
MW-8									
1/23/2003	<40	<20	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	
4/7/2003	<100	<20	19	<0.50	<0.50	<0.50	<0.50	<0.50	
8/7/2003	<100	<20	0.96	<0.50	<0.50	<0.50	<0.50	<0.50	
10/23/2003	--	<20	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	
01/12/2004	<100	<20	13	<1.0	<1.0	<1.0	<0.50	<0.50	
04/20/2004	<100	<20	25	<0.50	<0.50	<0.50	<0.50	<0.50	
07/01/2004	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
11/04/2004	<100	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	
01/10/2005	<100	<20	10	<0.50	<0.50	<0.50	<0.50	<0.50	
08/02/2005	<100	<20	16	<0.50	<0.50	<0.50	<0.50	<0.50	
10/21/2005	--	--	--	--	--	--	--	--	Well inaccessible
8/4/2006	<300	<20	16	<0.50	<0.50	<0.50	<0.50	<0.50	
7/9/2007	<300	<20	17	<0.50	<0.50	<0.50	<0.50	<0.50	
7/23/2008	<300	<10	8.6	<0.50	<0.50	<0.50	<0.50	<0.50	
7/21/2009	<300	<10	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-9									
1/23/2003	<40	<20	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	
07/01/2004	<100	<20	3.2	<0.50	<0.50	<0.50	<0.50	<0.50	
08/02/2005	<100	<20	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	
8/4/2006	<300	<20	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	
7/9/2007	<300	<20	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	
7/23/2008	<300	<10	5.0	<0.50	<0.50	<0.50	<0.50	<0.50	
7/21/2009	<300	<10	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-10									
1/23/2003	<40	<20	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
4/7/2003	<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	
8/7/2003	<100	<20	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	
01/12/2004	<100	<20	1.7	<1.0	<1.0	<1.0	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-10 Cont.									
07/01/2004	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
01/10/2005	<100	<20	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	b
08/02/2005	<100	<20	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	
01/04/2006	<100	<20	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	b
8/4/2006	<300	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
1/15/2007	<300	<20	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	
7/9/2007	<300	<20	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	
1/7/2008	<300	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
7/23/2008	<300	<10	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
1/21/2009	<300	<10	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	
7/21/2009	<300	<10	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
1/12/2010	<300	<10	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-11									
1/23/2003	<40	<20	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	
10/23/2003	--	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
07/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-12									
10/23/2003	--	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
07/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-13									
1/23/2003	<40	<20	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	
10/23/2003	--	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
07/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-14									
1/23/2003	<40	<20	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	
4/7/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/7/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/12/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	
07/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-14 Cont.									
01/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/02/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/4/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/9/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/23/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/21/2009	<300	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-15									
1/23/2003	<40	<20	<20	<0.50	<0.50	<0.50	<0.50	<0.50	
07/01/2004	<100	<20	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
08/02/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/4/2006	<300	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	
7/9/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/23/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/21/2009	<300	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-16									
7/21/2009	<300	<0.50	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	
1/12/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
6/3/2010	<600	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
MW-17									
7/21/2009	<300	10	2.8	<0.50	<0.50	1.0	<0.50	<0.50	
1/12/2010	<6,000	<200	<10	<10	<10	<10	<10	<10	
6/3/2010	<15,000	<500	<25	<25	<25	<25	<25	<25	
MW-18									
7/21/2009	<300	<10	4.8	<0.50	<0.50	3.0	<0.50	<0.50	
1/12/2010	<600	<20	5.8	<1.0	<1.0	4.7	<1.0	<1.0	
MW-19									
7/21/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

SYMBOLS & ABBREVIATIONS :

-- = Not analyzed/applicable/measured/available

< = Not detected at or above specified laboratory reporting limit.

1,2-DCA = 1,2-Dichloroethane

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

µg/L = Micrograms per Liter

FOOTNOTES:

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

b = Calibration verification for ethanol was within method limits but outside contract limits.

c = Original analysis for ethanol was a positive result. Reanalysis did not confirm.

d = Sample preserved improperly.

e = FP in well.

f = Insufficient water to sample.

g = Well was dry.

h = Reporting limits raised due to high level of non-target analytes (SVOCs) .

NOTES:

All volatile organic compounds analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 3. Historical Ground-Water Flow Direction and Gradient
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
8/4/1994	Southwest	0.004
11/20/1994	Southwest	0.002
3/17/1995	West-Southwest	0.006
6/1/1995	Southwest	0.003
8/31/1995	South-Southwest	0.005
11/27/1995	South-Southwest	0.004
2/22/1996	Northwest	0.007
5/20/1996	Southwest	0.007
8/26/1996	South-Southwest	0.004
11/20/1996	South-Southeast	0.004
3/24/1997	Southeast	0.013
5/23/1997	Southeast	0.014
8/19/1997	Southeast	0.04
11/19/1997	Southeast	0.016
2/19/1998	East	Variable
4/23/1998	Variable	Variable
7/27/1998	Southeast	0.05
10/14/1998	Southeast	0.02
1/21/1999	East	0.04
5/6/1999	Southeast	0.05
8/23/1999	Southeast	0.02
10/28/1999	Southeast	0.04
2/4/2000	East-Southeast	0.053
6/20/2000	East-Southeast	0.023
9/29/2000	East-Southeast	0.023
12/17/2000	East-Southeast	0.01
3/28/2001	East-Southeast	0.014
6/20/2001	East-Southeast	0.022
9/22/2001	East-Southeast	0.025
12/27/2001	East-Southeast	0.025
3/15/2002	East	0.015
4/18/2002	East	0.015
7/23/2002	East-Southeast	0.025
10/16/2002	East-Southeast	0.022
1/23/2003	East	0.020
4/7/2003	East-Southeast	0.033
8/7/2003	East-Southeast	0.047
10/23/2003	Southeast	0.047
1/12/2004	Southeast	0.042
4/20/2004	Southwest	0.005
7/1/2004	West	0.005
11/4/2004	West to Southwest	0.011 to 0.003

Table 3. Historical Ground-Water Flow Direction and Gradient
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
1/10/2005	West to North	0.02 to 0.03
4/14/2005	Northwest to Southwest	0.005 to 0.02
8/2/2005	West to Southwest	0.004 to 0.01
10/21/2005	Southwest	0.005
1/4/2006	Variable	0.009 to 0.04
4/28/2006	Southwest	0.005
8/4/2006	South-Southwest	0.007
10/23/2006	South-Southwest	0.003
1/15/2007	Southwest	0.002
4/17/2007	Southwest	0.001
7/9/2007	Southwest	0.002
10/1/2007	Southwest	0.005
1/7/2008	Southwest	0.006
4/1/2008	Southwest	0.01
7/23/2008	South-Southwest	0.002
10/22/2008	South-Southwest	0.003
1/21/2009	South-Southwest	0.004
4/21/2009	Southwest	0.004
8/21/2009	Southwest	0.002
1/12/2010	Southwest	0.003
6/3/2010	Southwest	0.004

NOTES:

Wells resurveyed on 2/27/2004

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**Table 4. Summary of Volatile and Semivolatile Organic Compounds Analytical Data
Station #601, 712 Leelling Blvd., San Leandro, CA**

Well and Sample Date	VOCs by EPA Method 601/8010 or 624/8240 Concentrations in (µg/L)							SVOCs by EPA Method 3520/8270 Concentrations in (µg/L)				
	Methylene Chloride	1,2-DCA	1,1-DCA	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Naphthalene	2-Methyl Naphthalene	Bis (2-ethylhexyl) Phthalate	2,4-Di methyl-phenol	Phenol
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	2200	1700	<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	1200	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
05/23/97	Not analyzed: well MW-8 was sampled for additional parameters in lieu of well MW-1											
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

**Table 4. Summary of Volatile and Semivolatile Organic Compounds Analytical Data
Station #601, 712 Lewelling Blvd., San Leandro, CA**

Well and Sample Date	VOCs by EPA Method 601/8010 or 624/8240 Concentrations in (µg/L)							SVOCs by EPA Method 3520/8270 Concentrations in (µg/L)				
	Methylene Chloride	1,2-DCA	1,1-DCA	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Naphthalene	2-Methyl Naphthalene	Bis (2-ethylhexyl) Phthalate	2,4-Di methyl-phenol	Phenol
MW-1 Cont.												
08/07/03	NA	NA	NA	NA	NA	NA	NA	1100	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	1000	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
11/04/04	NA	<5.0	NA	650	<5.0	300	12	890	410	68	<49	<24
01/10/05	NA	<5.0	NA	280	<5.0	130	12	750	230	300	<50	<25
04/20/05	NA	<50	NA	NA	NA	NA	NA	490	140	<50	<50	<25
01/04/06	NA	NA	NA	NA	NA	NA	NA	650	230	59	<10	<5.0
04/28/06	NA	<1.0	NA	100	<5.0	270	7.0	<4.7	<4.7	<9.4	<9.4	<4.7
08/04/06	NA	<5.0	NA	410	5.0	260	<5.0	660	240	40	<9.4	<4.7
07/09/07	NA	<5.0	NA	240	<5.0	220	180	760	260	<99	<99	<50
10/01/07	NA	<200	NA	260	<5.0	260	13	950 (b)	390 (b)	<200 (b)	<200 (b)	<99 (b)
01/07/08	NA	<5.0	NA	56	<5.0	190	7	740 (c)	260 (c)	<96 (c)	<96 (c)	<48 (c)
04/01/08	NA	<20	NA	70	<20	210	<20	960	260	<100	<100	<100
07/23/08	NA	<20	NA	190	<20	180	<20	940	350	<100	<100	<100
10/22/08	NA	<20	NA	190	<20	210	<20	1,300	570	12	<10	<10
01/21/09	NA	<20	NA	99	<20	190	<20	1,500	850	200	<100	<100
04/21/09	NA	<20	NA	63	<20	50	<20	870	450	57	<10	<10
07/21/09	NA	<20	NA	100	<20	120	<20	920	450	<10	<10	<10
01/12/10	NA	<10	NA	49	<10	85	<10	600	210	<10	<10	<10
06/03/10	Not analyzed: samples analyzed during 1Q and 3Q semi-annual events											
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 (b)	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
05/13/93	ND	ND	ND	NA	NA	NA	NA	97	20	ND	ND	NA
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											

**Table 4. Summary of Volatile and Semivolatile Organic Compounds Analytical Data
Station #601, 712 Lewelling Blvd., San Leandro, CA**

Well and Sample Date	VOCs by EPA Method 601/8010 or 624/8240 Concentrations in (µg/L)							SVOCs by EPA Method 3520/8270 Concentrations in (µg/L)				
	Methylene Chloride	1,2-DCA	1,1-DCA	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Naphthalene	2-Methyl Naphthalene	Bis (2-ethylhexyl) Phthalate	2,4-Di methyl-phenol	Phenol
MW-8 Cont.												
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

ABBREVIATIONS & SYMBOLS:

- < = Not detected at or above laboratory reporting limit
- 1,1-DCA = 1,1 Dichloroethane
- 1,2-DCA = 1,2 Dichloroethane
- NA = Not analyzed, not applicable, or not available
- ND = Not detected at or above laboratory reporting limits
- SVOC = Semi Volatile Organic Compound
- mg/L = Micrograms per liter
- VOC = Volatile Organic Compound

FOOTNOTES:

- a. Sample was ND for 2-Methylphenol and ND for 4-Methylphenol. Analysis not performed for 2,4-Dimethylphenol.
- b. Method reporting limit was raised due to high analyte concentration requiring sample dilution or matrix interference.
- c. Method reporting limits were raised due to a high level of non-target analytes.

NOTES:

The data within this table was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 5. Bio-Degradation Parameters
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	pH	ORP (mV)	Total Alkalinity (µg/L)	DO (mg/L)	Nitrate NO3 (µg/L)	Sulfate SO4 (µg/L)	Soluble Sulfide (µg/L)	CO2 (µg/L)	Methane (µg/L)	Manganese (µg/L)	Ferrous Iron (mg/L)	Comments
MW-1												
7/21/2009	7.10	--	--	10.85	<100	2,700	<50	--	--	--	5.8	
1/12/2010	6.48	-138	--	0.98	<100	<1,000	<50	--	--	--	13.0	
MW-2												
6/3/2010	7.06	-65	--	--	<100	54,000	<50	--	--	--	<0.10	
MW-3												
7/21/2009	7.35	--	--	11.15	<100	2,400	<50	--	--	--	<0.10	
1/12/2010	6.63	-97	--	1.07	<100	1,200	<50	--	--	--	2.0	
6/3/2010	6.8	-146	--	1.16	<100	<1,000	<50	--	--	--	0.34	
MW-4												
6/3/2010	7.1	-120	--	1.10	<100	64,000	<50	--	--	--	<0.10	
MW-5												
6/3/2010	6.9	-80	--	1.77	<100	<1,000	<50	--	--	--	<0.10	
MW-8												
7/21/2009	7.56	--	--	13.97	<100	50,000	<50	--	--	--	<0.10	
MW-16												
7/21/2009	7.71	--	--	14.83	<100	94,000	<50	--	--	--	<0.10	
1/12/2010	6.8	-53	--	1.24	<100	24,000	<50	--	--	--	<0.10	
6/3/2010	7.10	-108	--	--	<100	9,600	<50	--	--	--	<0.10	
MW-17												
7/21/2009	7.57	--	--	11.48	<100	25,000	<50	--	--	--	<0.10	
1/12/2010	6.80	-84	--	1.02	<100	<1,000	<50	--	--	--	0.13	
6/3/2010	6.94	-66	--	1.26	<100	<1,000	<50	--	--	--	<0.260	
MW-18												
7/21/2009	7.69	--	--	14.25	<100	24,000	<50	--	--	--	<0.10	
1/12/2010	6.8	-20	--	1.79	<100	26,000	<50	--	--	--	<0.10	
MW-19												

Table 5. Bio-Degradation Parameters
ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	pH	ORP (mV)	Total Alkalinity (µg/L)	DO (mg/L)	Nitrate NO3 (µg/L)	Sulfate SO4 (µg/L)	Soluble Sulfide (µg/L)	CO2 (µg/L)	Methane (µg/L)	Manganese (µg/L)	Ferrous Iron (mg/L)	Comments
MW-19 Cont.												
7/21/2009	8.03	--	--	13.65	920	110,000	<50	--	--	--	<0.10	

ABBREVIATIONS AND SYMBOLS:

< = Not detected at or above specified laboratory reporting limit

ORP = Oxygen reduction potential

DO = Dissolved oxygen

CO₂ = Carbon dioxide

mV = Millivolts

µg/L = Micrograms per liter

mg/L = Milligrams per liter

APPENDIX A

GROUNDWATER SAMPLING DATA PACKAGE

**(Includes Field Data Sheets, Field Procedures, Non-Hazardous Waste Data Form, and
Laboratory Analytical Report with Chain-of-Custody Documentation)**

... & ASSOCIATES, INC.
WATER RESOURCES & ENVIRONMENTAL

PROJECT NO.: 04-88-605

Equip:	Geosquirt	Tubing	Ballers	DO	wli	Ec/pH

[illegible]

G:\ADMINISTRATION\BAI FORMS\WATER LVL MEAS FORM



BROADBENT & ASSOCIATES, INC.

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.:

MW-2

Project Name/Location:

BP 601

Project #:

Sampler's Name:

Date: 6/3/80

Purging Equipment:

Sampling Equipment:

Casing Type: PVC

Casing Diameter:

4

inch

Total Well Depth:

10.90

feet

Depth to Water:

6.79

feet

Water Column Thickness:

4.11

feet

Unit Casing Volume*:

x 0.65

gallon / foot

Casing Water Volume:

= 2.67

gallons

Casing Volume:

x 3

each

Estimated Purge Volume:

= 8.01

gallons

*UNIT CASING VOLUMES

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (μS)	Temperature (Fahrenheit)	pH	Observations
0	1158		-65		437.2	78.1	8.54	OTW 6.85
1	1207	x	x	x	1219	74.7	7.09	OTW 6.75
1.5	1214	x	x	x	1235	75.3	7.10	7.00
2	1221	x	x	x	1288	75.9	7.06	7.05
2.5	1228	x	x	x	1332	75.2	7.06	7.10
		x	x	x				
		x	x	x				
		x	x	x				

Total Water Volume Purged:

2.3

gallons

Depth to Water at Sample Collection:

7.10

feet

Sample Collection Time:

1230

Purged Dry? (Y / N)

Comments:

**BROADBENT & ASSOCIATES, INC.**

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data SheetWell I.D.: mw-3Project Name/Location: BP 601

Project #:

Sampler's Name:

Date: 6/5/10

Purging Equipment:

Sampling Equipment:

Casing Type: PVC

Casing Diameter: 4 inchTotal Well Depth: 11.90 feetDepth to Water: 5.64 feetWater Column Thickness: = 6.26 feetUnit Casing Volume*: x 0.65 gallon / footCasing Water Volume: = 4.06 gallonsCasing Volume: x 3 eachEstimated Purge Volume: = 24.44 gallons 12.18***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
<u>0</u>	<u>1449</u>	<u>1.16</u>	<u>-146</u>	<u>—</u>	<u>550.4</u>	<u>75.0</u>	<u>7.5</u>	<u>DTW 5.90</u>
<u>0.5</u>	<u>1456</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>497.0</u>	<u>74.3</u>	<u>6.9</u>	<u>DTW 6.30</u>
<u>1.0</u>	<u>1502</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>495.4</u>	<u>73.7</u>	<u>6.8</u>	<u>DTW 6.60</u>
		<u>X</u>	<u>X</u>	<u>X</u>				
		<u>X</u>	<u>X</u>	<u>X</u>				
		<u>X</u>	<u>X</u>	<u>X</u>				
		<u>X</u>	<u>X</u>	<u>X</u>				
		<u>X</u>	<u>X</u>	<u>X</u>				

Total Water Volume Purged:

1

gallons

Depth to Water at Sample Collection:

6.60

feet

Sample Collection Time:

1510Purged Dry? (Y/N) (N)

Comments:



BROADBENT & ASSOCIATES, INC.

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-4

Project Name/Location: BP 601

Project #:

Sampler's Name:

Date: 6/3/10

Purging Equipment:

Sampling Equipment:

Casing Type: PVC

Casing Diameter: 4 inch

Total Well Depth: 8.45 feet

Depth to Water: 6.35 feet

Water Column Thickness: = 2.10 feet

Unit Casing Volume*: x 0.65 gallon / foot

Casing Water Volume: = 1.38 gallons

Casing Volume: x 3 each

Estimated Purge Volume: = 4.08 gallons

*UNIT CASING VOLUMES

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1257	1.10	-120	-	1695	74.0	7.1	DPW-6.46
0.5	1257	X	X	X	1690	74.9	7.1	DTW 6.70
1.0	1301	X	X	X	1685	75.7	7.1	DTW 7.10
1.0	1305	X	X	X				DTW - 7.30
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged:

gallons

Depth to Water at Sample Collection:

feet

Sample Collection Time: 1315

Purged Dry? (Y/N)

Comments:

**BROADBENT & ASSOCIATES, INC.**

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data SheetWell I.D.: MW-5Project Name/Location: 601Project #: 06-88-605Sampler's Name: SB & EFDate: 6/3/10

Purging Equipment: _____

Sampling Equipment: _____

Casing Type: PVC

Casing Diameter: 4 inch***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Total Well Depth: 10.12 feetDepth to Water: 6.38 feetWater Column Thickness: 3.74 feetUnit Casing Volume*: x 0.65 gallon / footCasing Water Volume: = 2.4 gallonsCasing Volume: x 3 eachEstimated Purge Volume: = 7.3 gallons

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1102	1.77	-80	-	1457	76.5	7.0	6.84 DTW
1	1112	X	X	X	1415	74.9	7.0	6.89 DTW
2	1122	X	X	X	1404	74.5	6.9	7.10 DTW
2.5	1133	X	X	X	1399	73.4	6.9	7.20 DTW
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2.5 gallonsDepth to Water at Sample Collection: 7.70 feetSample Collection Time: 1140Purged Dry? (Y/N) (N)Comments: _____

**BROADBENT & ASSOCIATES, INC.**

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data SheetWell I.D.: MW-16Project Name/Location: 601Project #: 06-88-605Sampler's Name: SD & EPDate: 6/3/10

Purging Equipment: _____

Sampling Equipment: _____

Casing Type: PVC

Casing Diameter: 4 inchTotal Well Depth: 15.00 feetDepth to Water: 6.13 feetWater Column Thickness: = 8.87 feetUnit Casing Volume*: x 0.65 gallon / footCasing Water Volume: = 5.8 gallonsCasing Volume: x 3 eachEstimated Purge Volume: = 17.3 gallons***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1357		-108		1587	75.1	7.31	6.20
0.5	1405	X	X	X	1600	77.6	7.02	6.50
1.5	1415	X	X	X	1592	74.2	7.03	6.90
2.5	1433	X	X	X	1605	73.8	7.10	7.00
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: _____

gallons

Depth to Water at Sample Collection: _____

feet

Sample Collection Time: 1430

Purged Dry? (Y/N)

Comments: _____

**BROADBENT & ASSOCIATES, INC.**

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data SheetWell I.D.: MW-17Project Name/Location: 601Project #: 06-88-605Sampler's Name: SB & EFDate: 6/3/10Purging Equipment: B

Sampling Equipment: _____

Casing Type: PVC

Casing Diameter: 4" inchTotal Well Depth: 15.0 feetDepth to Water: 6.37 feetWater Column Thickness: = 8.63 feetUnit Casing Volume*: x 0.65 gallon / footCasing Water Volume: = 5.60 gallonsCasing Volume: x 3 eachEstimated Purge Volume: = 16.8 gallons***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

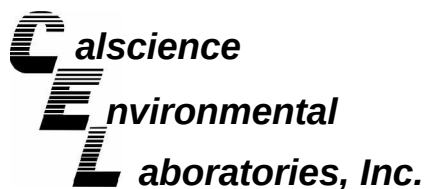
4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (uS)	Temperature (Fahrenheit)	pH	Observations
0	0950	1.25	-66		1761	70.6	7.65	DTW 6.40
1	1000	X	X	X	1774	71.0	6.85	DTW 6.60
1.5	1010	X	X	X	1774	71.0	6.99	DTW 7.10
2	1020	X	X	X	1781	71.1	6.96	DTW 7.30
2.5	1030	X	X	X	1794	71.2	6.99	7.40
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2.5 gallonsDepth to Water at Sample Collection: 7.40 feetSample Collection Time: 1030Purged Dry? (Y/N) (N)Comments: Tab 1, 40 12'



June 18, 2010

Tom Venus
Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Subject: **CalScience Work Order No.: 10-06-0366**
Client Reference: BP 601

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/4/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'Richard Villafania'.

CalScience Environmental
Laboratories, Inc.
Richard Villafania
Project Manager

Analytical Report



Broadbent & Associates, Inc.
 1324 Mangrove Ave, Ste 212
 Chico, CA 95926-2642

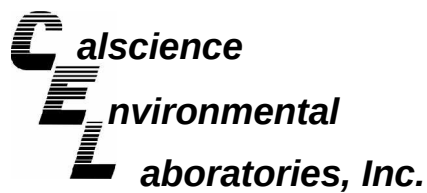
Date Received: 06/04/10
 Work Order No: 10-06-0366
 Preparation: N/A
 Method: EPA 300.0
 Units: ug/L

Project: BP 601

Page 1 of 1

Client Sample Number					Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID				
MW-2					10-06-0366-1-H	06/03/10 12:30	Aqueous	IC 7	N/A	06/04/10 12:05	100604L01				
<u>Parameter</u>					<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>			<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
Nitrate (as N)					ND	100	1		Sulfate			54000	1000	1	
MW-3					10-06-0366-2-H	06/03/10 15:10	Aqueous	IC 7	N/A	06/04/10 12:21	100604L01				
<u>Parameter</u>					<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>			<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
Nitrate (as N)					ND	100	1		Sulfate			ND	1000	1	
MW-4					10-06-0366-3-H	06/03/10 13:15	Aqueous	IC 7	N/A	06/04/10 12:36	100604L01				
<u>Parameter</u>					<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>			<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
Nitrate (as N)					ND	100	1		Sulfate			64000	1000	1	
MW-5					10-06-0366-4-H	06/03/10 11:40	Aqueous	IC 7	N/A	06/04/10 12:52	100604L01				
<u>Parameter</u>					<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>			<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
Nitrate (as N)					ND	100	1		Sulfate			ND	1000	1	
MW-16					10-06-0366-5-H	06/03/10 14:30	Aqueous	IC 7	N/A	06/04/10 13:08	100604L01				
<u>Parameter</u>					<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>			<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
Nitrate (as N)					ND	100	1		Sulfate			9600	1000	1	
MW-17					10-06-0366-6-H	06/03/10 10:30	Aqueous	IC 7	N/A	06/04/10 13:24	100604L01				
<u>Parameter</u>					<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>			<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
Nitrate (as N)					ND	100	1		Sulfate			ND	1000	1	
Method Blank					099-12-906-1,047	N/A	Aqueous	IC 7	N/A	06/04/10 10:10	100604L01				
<u>Parameter</u>					<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>			<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
Nitrate (as N)					ND	100	1		Sulfate			ND	1000	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: N/A
Method: SM 4500 S2 - D

Project: BP 601

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	10-06-0366-1-H	06/03/10 12:30	Aqueous	N/A	06/04/10	06/04/10 15:00	A0604DSB1

Parameter	Result	RL	DF	Qual	Units
Sulfide, Dissolved	ND	50	1		ug/L

MW-3	10-06-0366-2-H	06/03/10 15:10	Aqueous	N/A	06/04/10	06/04/10 15:00	A0604DSB1
------	----------------	----------------	---------	-----	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Sulfide, Dissolved	ND	50	1		ug/L

MW-4	10-06-0366-3-H	06/03/10 13:15	Aqueous	N/A	06/04/10	06/04/10 15:00	A0604DSB1
------	----------------	----------------	---------	-----	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Sulfide, Dissolved	ND	50	1		ug/L

MW-5	10-06-0366-4-H	06/03/10 11:40	Aqueous	N/A	06/04/10	06/04/10 15:00	A0604DSB1
------	----------------	----------------	---------	-----	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Sulfide, Dissolved	ND	50	1		ug/L

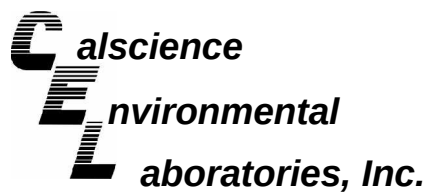
MW-16	10-06-0366-5-H	06/03/10 14:30	Aqueous	N/A	06/04/10	06/04/10 15:00	A0604DSB1
-------	----------------	----------------	---------	-----	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Sulfide, Dissolved	ND	50	1		ug/L

MW-17	10-06-0366-6-H	06/03/10 10:30	Aqueous	N/A	06/04/10	06/04/10 15:00	A0604DSB1
-------	----------------	----------------	---------	-----	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Sulfide, Dissolved	ND	50	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: N/A
Method: SM 4500 S2 - D

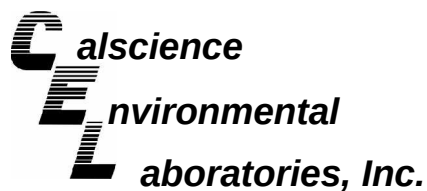
Project: BP 601

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-05-088-2,851	N/A	Aqueous	N/A	06/04/10	06/04/10 15:00	A0604DSB1

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Sulfide, Dissolved	ND	50	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: N/A
Method: SM 3500-FeB

Project: BP 601

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	10-06-0366-1-I	06/03/10 12:30	Aqueous	UV 2	06/04/10	06/04/10 11:23	A0604FEL1

Parameter	Result	RL	DF	Qual	Units
Iron (II)	ND	100	1		ug/L

MW-3	10-06-0366-2-I	06/03/10 15:10	Aqueous	UV 2	06/04/10	06/04/10 11:23	A0604FEL1
------	----------------	----------------	---------	------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Iron (II)	340	100	1		ug/L

MW-4	10-06-0366-3-I	06/03/10 13:15	Aqueous	UV 2	06/04/10	06/04/10 11:23	A0604FEL1
------	----------------	----------------	---------	------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Iron (II)	ND	100	1		ug/L

MW-5	10-06-0366-4-I	06/03/10 11:40	Aqueous	UV 2	06/04/10	06/04/10 11:23	A0604FEL1
------	----------------	----------------	---------	------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Iron (II)	ND	100	1		ug/L

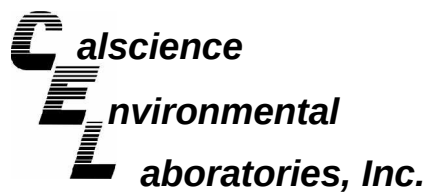
MW-16	10-06-0366-5-I	06/03/10 14:30	Aqueous	UV 2	06/04/10	06/04/10 11:23	A0604FEL1
-------	----------------	----------------	---------	------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Iron (II)	ND	100	1		ug/L

MW-17	10-06-0366-6-I	06/03/10 10:30	Aqueous	UV 2	06/04/10	06/04/10 11:23	A0604FEL1
-------	----------------	----------------	---------	------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
Iron (II)	260	100	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: N/A
Method: SM 3500-FeB

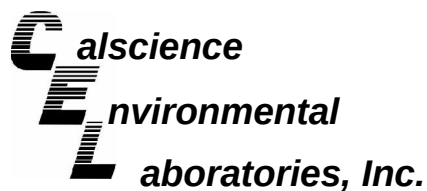
Project: BP 601

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-05-111-3,736	N/A	Aqueous	UV 2	06/04/10	06/04/10 11:23	A0604FEL1

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron (II)	ND	100	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: BP 601

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	10-06-0366-1-E	06/03/10 12:30	Aqueous	GC 11	06/04/10	06/05/10 01:43	100604B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	94	38-134			

MW-3	10-06-0366-2-E	06/03/10 15:10	Aqueous	GC 11	06/04/10	06/05/10 02:17	100604B01
-------------	-----------------------	-----------------------	----------------	--------------	-----------------	-----------------------	------------------

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	26000	1000	20		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	108	38-134			

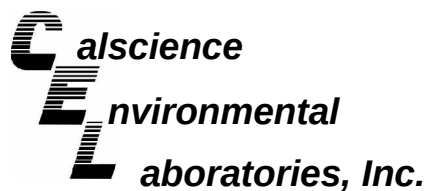
MW-4	10-06-0366-3-E	06/03/10 13:15	Aqueous	GC 11	06/04/10	06/05/10 02:51	100604B01
-------------	-----------------------	-----------------------	----------------	--------------	-----------------	-----------------------	------------------

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	650	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	116	38-134			

MW-5	10-06-0366-4-E	06/03/10 11:40	Aqueous	GC 11	06/04/10	06/05/10 03:24	100604B01
-------------	-----------------------	-----------------------	----------------	--------------	-----------------	-----------------------	------------------

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	6200	250	5		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	132	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: BP 601

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16	10-06-0366-5-E	06/03/10 14:30	Aqueous	GC 11	06/04/10	06/05/10 03:58	100604B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	4100	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	164	38-134		LH,AY	

MW-17	10-06-0366-6-E	06/03/10 10:30	Aqueous	GC 11	06/04/10	06/05/10 04:32	100604B01
--------------	-----------------------	-----------------------	----------------	--------------	-----------------	-----------------------	------------------

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	19000	1000	20		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	102	38-134			

Method Blank	099-12-695-841	N/A	Aqueous	GC 11	06/04/10	06/04/10 16:09	100604B01
---------------------	-----------------------	------------	----------------	--------------	-----------------	-----------------------	------------------

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	88	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Broadbent & Associates, Inc.
 1324 Mangrove Ave, Ste 212
 Chico, CA 95926-2642

Date Received: 06/04/10
 Work Order No: 10-06-0366
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: BP 601

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	10-06-0366-1-A	06/03/10 12:30	Aqueous	GC/MS WW	06/10/10	06/10/10 16:21	100610L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	1.2	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	0.76	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	112	80-128			Dibromofluoromethane	107	80-127		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	96	68-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	10-06-0366-2-A	06/03/10 15:10	Aqueous	GC/MS WW	06/10/10	06/10/10 16:48	100610L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	25	50		Methyl-t-Butyl Ether (MTBE)	ND	25	50	
1,2-Dibromoethane	ND	25	50		Tert-Butyl Alcohol (TBA)	ND	500	50	
1,2-Dichloroethane	ND	25	50		Diisopropyl Ether (DIPE)	ND	25	50	
Ethylbenzene	820	25	50		Ethyl-t-Butyl Ether (ETBE)	ND	25	50	
Toluene	ND	25	50		Tert-Amyl-Methyl Ether (TAME)	ND	25	50	
Xylenes (total)	2900	25	50		Ethanol	ND	15000	50	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	105	80-128			Dibromofluoromethane	106	80-127		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	100	68-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	10-06-0366-3-A	06/03/10 13:15	Aqueous	GC/MS WW	06/10/10	06/10/10 17:16	100610L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	38	0.50	1		Methyl-t-Butyl Ether (MTBE)	2.3	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	0.71	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	109	80-128			Dibromofluoromethane	106	80-127		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	101	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Broadbent & Associates, Inc.
 1324 Mangrove Ave, Ste 212
 Chico, CA 95926-2642

Date Received: 06/04/10
 Work Order No: 10-06-0366
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: BP 601

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	10-06-0366-4-B	06/03/10 11:40	Aqueous	GC/MS WW	06/11/10	06/12/10 07:22	100611L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	140	2.5	5		Methyl-t-Butyl Ether (MTBE)	ND	2.5	5	
1,2-Dibromoethane	ND	2.5	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
1,2-Dichloroethane	ND	2.5	5		Diisopropyl Ether (DIPE)	ND	2.5	5	
Ethylbenzene	78	2.5	5		Ethyl-t-Butyl Ether (ETBE)	ND	2.5	5	
Toluene	18	2.5	5		Tert-Amyl-Methyl Ether (TAME)	ND	2.5	5	
Xylenes (total)	110	2.5	5		Ethanol	ND	1500	5	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	102	80-128			Dibromofluoromethane	100	80-127		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	101	68-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16	10-06-0366-5-A	06/03/10 14:30	Aqueous	GC/MS WW	06/10/10	06/10/10 18:12	100610L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	28	1.0	2		Methyl-t-Butyl Ether (MTBE)	ND	1.0	2	
1,2-Dibromoethane	ND	1.0	2		Tert-Butyl Alcohol (TBA)	ND	20	2	
1,2-Dichloroethane	ND	1.0	2		Diisopropyl Ether (DIPE)	ND	1.0	2	
Ethylbenzene	420	10	20		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	2	
Toluene	9.2	1.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	2	
Xylenes (total)	170	1.0	2		Ethanol	ND	600	2	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	104	80-128			Dibromofluoromethane	104	80-127		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	102	68-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17	10-06-0366-6-A	06/03/10 10:30	Aqueous	GC/MS WW	06/10/10	06/10/10 18:40	100610L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	140	25	50		Methyl-t-Butyl Ether (MTBE)	ND	25	50	
1,2-Dibromoethane	ND	25	50		Tert-Butyl Alcohol (TBA)	ND	500	50	
1,2-Dichloroethane	ND	25	50		Diisopropyl Ether (DIPE)	ND	25	50	
Ethylbenzene	1200	25	50		Ethyl-t-Butyl Ether (ETBE)	ND	25	50	
Toluene	45	25	50		Tert-Amyl-Methyl Ether (TAME)	ND	25	50	
Xylenes (total)	2600	25	50		Ethanol	ND	15000	50	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	97	80-128			Dibromofluoromethane	98	80-127		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	98	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Broadbent & Associates, Inc.
 1324 Mangrove Ave, Ste 212
 Chico, CA 95926-2642

Date Received: 06/04/10
 Work Order No: 10-06-0366
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: BP 601

Page 3 of 3

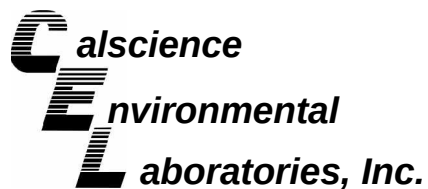
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-703-1,363	N/A	Aqueous	GC/MS WW	06/10/10	06/10/10 13:04	100610L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	109	80-128			Dibromofluoromethane	108	80-127		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	94	68-120		

Method Blank	099-12-703-1,367	N/A	Aqueous	GC/MS WW	06/11/10	06/12/10 02:24	100611L02
--------------	------------------	-----	---------	----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	106	80-128			Dibromofluoromethane	103	80-127		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	93	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

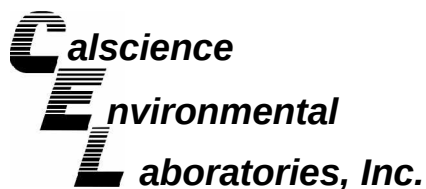
Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: N/A
Method: EPA 300.0

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0216-1	Aqueous	IC 7	N/A	06/04/10	100604S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	100	103	80-120	3	0-20	
Sulfate	99	100	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

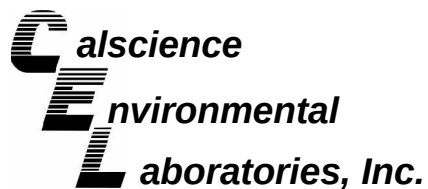
Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: N/A
Method: SM 4500 S2 - D

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
MW-2	Aqueous	N/A	06/04/10	06/04/10	A0604DSD1

<u>Parameter</u>	<u>Sample Conc.</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Sulfide, Dissolved	ND	ND	NA	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

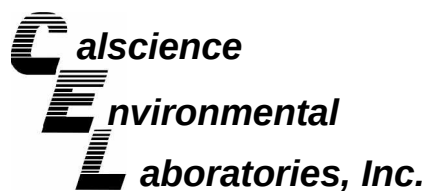
Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: N/A
Method: SM 3500-FeB

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-17	Aqueous	UV 2	06/04/10	06/04/10	A0604FES1

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Iron (II)	100	99	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

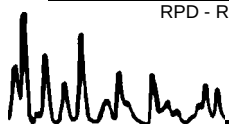
Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: EPA 5030B
Method: EPA 8015B (M)

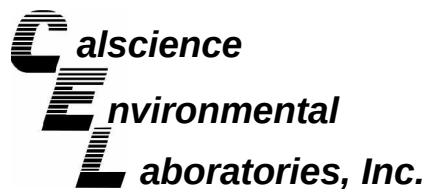
Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0218-1	Aqueous	GC 11	06/04/10	06/04/10	100604S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	105	109	38-134	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

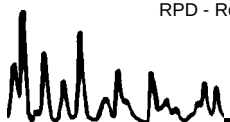
Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: EPA 5030B
Method: EPA 8260B

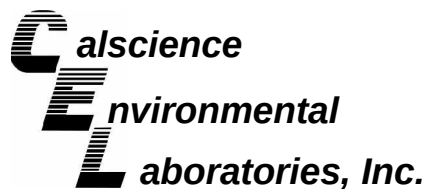
Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0360-13	Aqueous	GC/MS WW	06/10/10	06/10/10	100610S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	94	76-124	0	0-20	
Carbon Tetrachloride	103	101	74-134	2	0-20	
Chlorobenzene	95	95	80-120	0	0-20	
1,2-Dibromoethane	97	101	80-120	4	0-20	
1,2-Dichlorobenzene	94	95	80-120	2	0-20	
1,2-Dichloroethane	97	101	80-120	4	0-20	
Ethylbenzene	89	88	78-126	1	0-20	
Toluene	90	91	80-120	1	0-20	
Trichloroethene	94	94	77-120	1	0-20	
Methyl-t-Butyl Ether (MTBE)	95	101	67-121	6	0-49	
Tert-Butyl Alcohol (TBA)	96	93	36-162	3	0-30	
Diisopropyl Ether (DIPE)	101	103	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	94	97	69-123	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	93	97	65-120	5	0-20	
Ethanol	120	113	30-180	6	0-72	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

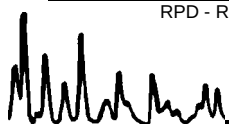
Date Received: 06/04/10
Work Order No: 10-06-0366
Preparation: EPA 5030B
Method: EPA 8260B

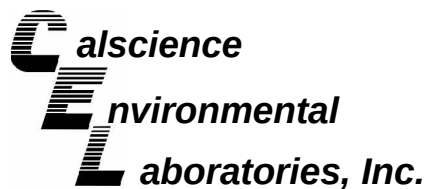
Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-06-0466-6	Aqueous	GC/MS WW	06/11/10	06/12/10	100611S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	100	76-124	1	0-20	
Carbon Tetrachloride	99	101	74-134	2	0-20	
Chlorobenzene	98	99	80-120	1	0-20	
1,2-Dibromoethane	97	99	80-120	1	0-20	
1,2-Dichlorobenzene	98	98	80-120	0	0-20	
1,2-Dichloroethane	97	100	80-120	2	0-20	
Ethylbenzene	99	100	78-126	1	0-20	
Toluene	100	101	80-120	1	0-20	
Trichloroethene	99	99	77-120	1	0-20	
Methyl-t-Butyl Ether (MTBE)	86	106	67-121	4	0-49	
Tert-Butyl Alcohol (TBA)	111	112	36-162	1	0-30	
Diisopropyl Ether (DIPE)	101	102	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	97	98	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	98	100	65-120	2	0-20	
Ethanol	142	111	30-180	25	0-72	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

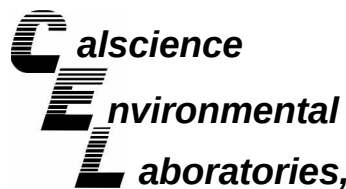
Date Received: N/A
Work Order No: 10-06-0366
Preparation: N/A
Method: EPA 300.0

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-1,047	Aqueous	IC 7	N/A	06/04/10	100604L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Nitrate (as N)	102	105	90-110	3	0-15	
Sulfate	101	101	90-110	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Laboratory Control Sample



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

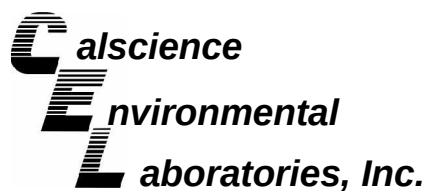
Date Received: N/A
Work Order No: 10-06-0366
Preparation: N/A
Method: SM 3500-FeB

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-05-111-3,736	Aqueous	UV 2	06/04/10	NONE	A0604FEL1

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Iron (II)	1.00	0.997	100	80-120	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

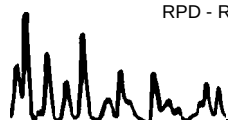
Date Received: N/A
Work Order No: 10-06-0366
Preparation: EPA 5030B
Method: EPA 8015B (M)

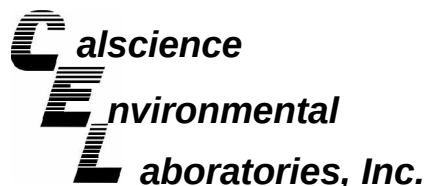
Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-695-841	Aqueous	GC 11	06/04/10	06/04/10	100604B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	105	107	78-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: N/A
Work Order No: 10-06-0366
Preparation: EPA 5030B
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-703-1,363	Aqueous	GC/MS WW	06/10/10	06/10/10	100610L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	95	96	80-120	73-127	0	0-20	
Carbon Tetrachloride	104	104	74-134	64-144	0	0-20	
Chlorobenzene	96	96	80-120	73-127	0	0-20	
1,2-Dibromoethane	96	94	79-121	72-128	2	0-20	
1,2-Dichlorobenzene	95	96	80-120	73-127	1	0-20	
1,2-Dichloroethane	98	97	80-120	73-127	1	0-20	
Ethylbenzene	97	97	80-120	73-127	0	0-20	
Toluene	96	95	80-120	73-127	1	0-20	
Trichloroethene	97	97	79-127	71-135	1	0-20	
Methyl-t-Butyl Ether (MTBE)	90	93	69-123	60-132	3	0-20	
Tert-Butyl Alcohol (TBA)	93	87	63-123	53-133	6	0-20	
Diisopropyl Ether (DIPE)	102	102	59-137	46-150	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	92	94	69-123	60-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	92	91	70-120	62-128	1	0-20	
Ethanol	146	114	28-160	6-182	24	0-57	

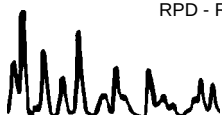
Total number of LCS compounds : 15

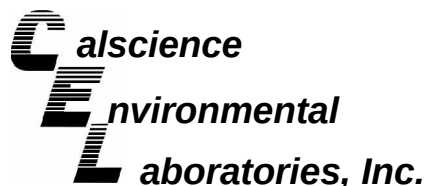
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Broadbent & Associates, Inc.
1324 Mangrove Ave, Ste 212
Chico, CA 95926-2642

Date Received: N/A
Work Order No: 10-06-0366
Preparation: EPA 5030B
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-703-1,367	Aqueous	GC/MS WW	06/11/10	06/12/10	100611L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	96	100	80-120	73-127	4	0-20	
Carbon Tetrachloride	91	94	74-134	64-144	4	0-20	
Chlorobenzene	96	99	80-120	73-127	3	0-20	
1,2-Dibromoethane	101	103	79-121	72-128	2	0-20	
1,2-Dichlorobenzene	94	97	80-120	73-127	3	0-20	
1,2-Dichloroethane	98	102	80-120	73-127	3	0-20	
Ethylbenzene	95	99	80-120	73-127	4	0-20	
Toluene	95	99	80-120	73-127	4	0-20	
Trichloroethene	94	100	79-127	71-135	6	0-20	
Methyl-t-Butyl Ether (MTBE)	98	103	69-123	60-132	6	0-20	
Tert-Butyl Alcohol (TBA)	104	99	63-123	53-133	6	0-20	
Diisopropyl Ether (DIPE)	99	103	59-137	46-150	4	0-37	
Ethyl-t-Butyl Ether (ETBE)	98	103	69-123	60-132	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	97	103	70-120	62-128	6	0-20	
Ethanol	116	104	28-160	6-182	11	0-57	

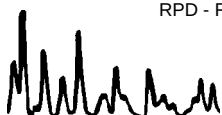
Total number of LCS compounds : 15

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Glossary of Terms and Qualifiers



Work Order Number: 10-06-0366

<u>Qualifier</u>	<u>Definition</u>
AX	Sample too dilute to quantify surrogate.
BA	Relative percent difference out of control.
BA,AY	BA = Relative percent difference out of control. AY = Matrix interference suspected.
BB	Sample > 4x spike concentration.
BF	Reporting limits raised due to high hydrocarbon background.
BH	Reporting limits raised due to high level of non-target analytes.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
BY	Sample received at improper temperature.
BZ	Sample preserved improperly.
CL	Initial analysis within holding time but required dilution.
CQ	Analyte concentration greater than 10 times the blank concentration.
CU	Surrogate concentration diluted to not detectable during analysis.
DF	Reporting limits elevated due to matrix interferences.
DU	Insufficient sample quantity for matrix spike/dup matrix spike.
ET	Sample was extracted past end of recommended max. holding time.
EY	Result exceeds normal dynamic range; reported as a min est.
GR	Internal standard recovery is outside method recovery limit.
IB	CCV recovery above limit; analyte not detected.
IH	Calibrtn. verif. recov. below method CL for this analyte.
IJ	Calibrtn. verif. recov. above method CL for this analyte.
J,DX	J=EPA Flag -Estimated value; DX= Value < lowest standard (MQL), but > than MDL.
LA	Confirmatory analysis was past holding time.
LG,AY	LG= Surrogate recovery below the acceptance limit. AY= Matrix interference suspected.
LH,AY	LH= Surrogate recovery above the acceptance limit. AY= Matrix interference suspected.
LM,AY	LM= MS and/or MSD above acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected.
LN,AY	LN= MS and/or MSD below acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.



<u>Qualifier</u>	<u>Definition</u>
LW	Quantitation of unknown hydrocarbon(s) in sample based on gasoline.
LX	Quantitation of unknown hydrocarbon(s) in sample based on diesel.
MB	Analyte present in the method blank.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
PC	Sample taken from VOA vial with air bubble > 6mm diameter.
PI	Primary and confirm results varied by > than 40% RPD.
RB	RPD exceeded method control limit; % recoveries within limits.
SG	A silica gel cleanup procedure was performed.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.



Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: BP 601

Req Due Date (mm/dd/yy):

Page 1 of 1

BP/ARC Facility No:

601

Lab Work Order Number:

Rush TAT: Yes No ☒ X

Lab Name: Calscience				BP/ARC Facility Address: 712 Lewelling Blvd.				Consultant/Contractor: Broadbent & Associates, Inc.			
Lab Address: 7440 Lincoln Way				City, State, ZIP Code: San Leandro, CA				Consultant/Contractor Project No: 06-88-605-5-822			
Lab PM: Richard Villafania				Lead Regulatory Agency: ACEH				Address: 1324 Mangrove Ave. Ste. 212, Chico, CA 95928			
Lab Phone: 714-895-5494				California Global ID No.: T0600100108				Consultant/Contractor PM: Tom Venus			
Lab Shipping Acct: 9255				Enfos Proposal No: 000S1-0008				Phone: 530-566-1400			
Lab Bottle Order No:				Accounting Mode: Provision ☒ OOC-BU OOC-RM				Email EDD To: tvenus@broadbentinc.com			
Other Info:				Stage: Operate (5) Activity: Monitoring/MNA (22)				Invoice To: BP/ARC ☒ Contractor			

BP/ARC EBM: Chuck Carmel				Matrix		No. Containers / Preservative		Requested Analyses										Report Type & QC Level						
EBM Phone:				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO (8015)	BTEX (8260)	5 Olys (8260)	EDB (8260)	1,2-DCA (8260)	Ethanol (8260)	SVOCs (8270)	Nitrate & Sulfate (300)	Ferrous Iron (200.7)	Dissolved Sulfide (376.2)	Standard ☒ Full Data Package	
EBM Email:																							Comments	
Lab No.	Sample Description	Date	Time																					
1	MW-2	6/3/10	1230	X							X	X	X	X	X	X	X	X	X	X	X			
2	MW-3		1510	X							X	X	X	X	X	X	X	X	X	X	X			
3	MW-4		1315	X							X	X	X	X	X	X	X	X	X	X	X			
4	MW-5		1140	X							X	X	X	X	X	X	X	X	X	X	X			
5	MW-16		1430	X							X	X	X	X	X	X	X	X	X	X	X			
6	MW-17		1030	X							X	X	X	X	X	X	X	X	X	X	X			
7	TB - 601 -																							

Sampler's Name: Sam Barkley / Eric Farrar		Retrieved By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: BAF				6/3/10	1606				
Shipment Method: GSO		Ship Date: 6/3/10							
Shipment Tracking No: 106193735 / 106193737								6/4/10	1030

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No

0366

1 FROM
DATE 6/3/10
COMPANY BAI
ADDRESS 75 Cottage Lane
ADDRESS
CITY Ukiah
SENDERS NAME Eric Feltner
2 COMPANY CAL SCIENCE
NAME
ADDRESS 744 LINCOLN WAY
ADDRESS
CITY GARDEN GROVE
3 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE
SPECIAL INSTRUCTIONS 10 200 6501009-137

STREET ROOM 6
ZIP CODE 95628
PHONE NUMBER 775-247-2701
PHONE NUMBER 714-895-5494
STREET ROOM
ZIP CODE 92841

GSO
GOLDEN STATE OVERNIGHT
1-800-322-5555
WWW.GSO.COM

SHIPPING AIR BILL

4 PACKAGE INFORMATION
☐ LETTER (MAX 8 OZ)
☐ PACKAGE (WT) _____
☐ DECLARED VALUE \$ _____
☐ COD AMOUNT \$ _____
(CASH NOT ACCEPTED)

5 DELIVERY SERVICE
☐ PRIORITY OVERNIGHT BY 10:30 AM
☐ EARLY PRIORITY BY 8:00 AM
☐ SATURDAY DELIVERY
*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT

6 RELEASE SIGNATURE
SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION
TIME DRIVER # ROUTE #

106193735

PEEL OFF HERE



9 GSO TRACKING NUMBER

106193735

PRESS FIRMLY

1 FROM

DATE JUN 13 1991

COMPANY BAI

ADDRESS 855 Cottonwood Lane

ADDRESS

CITY Vacaville

STE/ROOM 6

ZIP CODE 95088

SENDER'S NAME Eric Fern

PHONE NUMBER 773-277-7901

2 TO

COMPANY CAL SCIENCE

NAME

PHONE NUMBER 714-855-8494

ADDRESS 7440 LINCOLN WAY

ADDRESS

STE/ROOM

CITY GARDEN GROVE

ZIP CODE 92341

3 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

SPECIAL INSTRUCTIONS 282-LOC in lot 2 1061373

GSO
GOLDEN STATE OVERRIGHT

1-800-322-5555

WWW.GSO.COM

SHIPPING AIR BILL

4 PACKAGE INFORMATION

☐ LETTER (MAX 8 OZ)

☐ PACKAGE (WT) _____

☐ DECLARED VALUE \$ _____

☐ COD AMOUNT \$ _____
(CASH NOT ACCEPTED)

5 DELIVERY SERVICE

☒ PRIORITY OVERNIGHT BY 10:30 AM

☐ EARLY PRIORITY BY 8:00 AM

☐ SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLD STATE OVERRIGHT

6 RELEASE SIGNATURE

SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

DATE

8 PICK UP INFORMATION

TIME DRIVER # ROUTE #

9 GSO TRACKING NUMBER

106193737

PEEL OFF HERE



106193737

PACKAGE
GSO
COPY

0366

WORK ORDER #: 10-06-0366

SAMPLE RECEIPT FORMCooler 1 of 2CLIENT: BroadbentDATE: 06/04/10**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)Temperature 2.6 °C + 0.5 °C (CF) = 3.1 °C ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.☐ Received at ambient temperature, placed on ice for transport by Courier.Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs OnlyInitial: JP**CUSTODY SEALS INTACT:**☒ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/AInitial: JP☐ Sample ☐ _____ ☐ No (Not Intact) ☒ Not PresentInitial: WSC**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☒	☐	☐
COC document(s) received complete.....	☐	☒	☐
☒ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC.....	☒	☐	☐
Sample container label(s) consistent with COC.....	☐	☒	☐
Sample container(s) intact and good condition.....	☒	☐	☐
Proper containers and sufficient volume for analyses requested.....	☒	☐	☐
Analyses received within holding time.....	☐	☒	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	☒	☐	☐
Proper preservation noted on COC or sample container.....	☒	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	☒	☐	☐
Tedlar bag(s) free of condensation.....	☐	☐	☒

CONTAINER TYPE:

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® ☐ TerraCores® ☐ _____

Water: ☒ VOA ☒ VOA^h ☐ VOAna₂ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 1AGB ☐ 1AGBna₂ ☐ 1AGBs

☐ 500AGB ☐ 500AGJ ☐ 500AGJs ☒ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 1PB ☒ 500PB ☐ 500PBna

☐ 250PB ☐ 250PBn ☐ 125PB ☐ 125PBznna ☐ 100PJ ☐ 100PJna₂ ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar® ☐ Summa® **Other:** ☐ _____ **Trip Blank Lot#:** 100517A **Labeled/Checked by:** WSC**Container:** C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC**Preservative:** h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ znna: ZnAc₂+NaOH f: Field-filtered **Scanned by:** WSC

WORK ORDER #: **10-06-0366****SAMPLE RECEIPT FORM**Cooler 2 of 2CLIENT: BroadbentDATE: 06/04/10**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)Temperature 2.2 °C + 0.5°C (CF) = 2.7 °C ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.☐ Received at ambient temperature, placed on ice for transport by Courier.Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs OnlyInitial: JP**CUSTODY SEALS INTACT:**☒ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/AInitial: JP☐ Sample ☐ _____ ☐ No (Not Intact) ☒ Not PresentInitial: WSC**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☒	☐	☐
COC document(s) received complete.....	☐	☒	☐

☒ Collection date/time, matrix, and/or # of containers logged in based on sample labels.☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.Sampler's name indicated on COC..... ☒ ☐ ☐Sample container label(s) consistent with COC..... ☐ ☒ ☐Sample container(s) intact and good condition..... ☒ ☐ ☐Proper containers and sufficient volume for analyses requested..... ☒ ☐ ☐Analyses received within holding time..... ☐ ☒ ☐pH / Residual Chlorine / Dissolved Sulfide received within 24 hours..... ☒ ☐ ☐Proper preservation noted on COC or sample container..... ☒ ☐ ☐☐ Unpreserved vials received for Volatiles analysisVolatile analysis container(s) free of headspace..... ☒ ☐ ☐Tedlar bag(s) free of condensation..... ☐ ☐ ☒**CONTAINER TYPE:**Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® ☐ TerraCores® ☐ _____Water: ☒ VOA ☒ VOA^h ☐ VOAna₂ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 1AGB ☐ 1AGBna₂ ☐ 1AGBs☐ 500AGB ☐ 500AGJ ☐ 500AGJs ☒ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 1PB ☒ 500PB ☐ 500PBna☐ 250PB ☐ 250PBn ☐ 125PB ☐ 125PBz^{na} ☐ 100PJ ☐ 100PJna₂ ☐ _____ ☐ _____ ☐ _____Air: ☐ Tedlar® ☐ Summa® Other: ☐ _____ Trip Blank Lot#: 100517A Labeled/Checked by: WSCContainer: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: YLPreservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z^{na}: ZnAc₂+NaOH f: Field-filtered Scanned by: WSC

WORK ORDER #: 10-06-0366

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ Sample(s)/Container(s) NOT RECEIVED but listed on COC
- ☐ Sample(s)/Container(s) received but NOT LISTED on COC
- ☒ Holding time expired – list sample ID(s) and test
- ☐ Insufficient quantities for analysis – list test
- ☐ Improper container(s) used – list test
- ☐ Improper preservative used – list test
- ☐ No preservative noted on COC or label – list test & notify lab
- ☐ Sample labels illegible – note test/container type
- ☒ Sample label(s) do not match COC – Note in comments
 - ☐ Sample ID
 - ☐ Date and/or Time Collected
 - ☐ Project Information
 - ☐ # of Container(s)
 - ☒ Analysis
- ☐ Sample container(s) compromised – Note in comments
 - ☐ Water present in sample container
 - ☐ Broken
 - ☐ Without Label(s)
- ☐ Air sample container(s) compromised – Note in comments
 - ☐ Flat
 - ☐ Low in volume
 - ☐ Leaking (Not transferred - duplicate bag submitted)
 - ☐ Leaking (transferred into Calscience Tedlar® Bag*)
 - ☐ Leaking (transferred into Client's Tedlar® Bag*)
- ☐ Other: _____

(-6) Ferrous Iron

(-1) to (-6) received unpreserved
vials not requested on
COC.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: W-SC 06/04/10

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION RECEIPTS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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

<u>Submittal Type:</u>	EDF - Monitoring Report - Quarterly
<u>Submittal Title:</u>	2Q10 GW Monitoring
<u>Facility Global ID:</u>	T0600100108
<u>Facility Name:</u>	ARCO #0601
<u>File Name:</u>	10060366.zip
<u>Organization Name:</u>	Broadbent & Associates, Inc.
<u>Username:</u>	BROADBENT-C
<u>IP Address:</u>	67.118.40.90
<u>Submittal Date/Time:</u>	7/6/2010 12:23:59 PM
<u>Confirmation Number:</u>	4029603362

[VIEW QC REPORT](#)

[VIEW DETECTIONS REPORT](#)