ARCADIS
Infrastructure, environment, facilities

ARCADIS U.S., Inc.
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San Francisco, California 94104
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Re: First Quarter 2010 Ground-Water Monitoring Report
Former BP Station #11109
4280 Foothill Blvd.
Oakland, California
ACEH Case #RO0000426

ENVIRONMENTAL

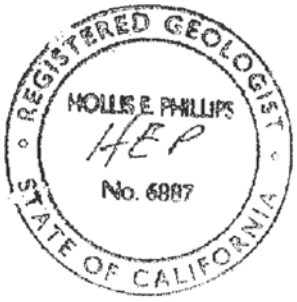
"I declare that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct."

Date:
04/30/2010

Submitted by:

ARCADIS U.S., Inc.

Hollis E. Phillips, PG
Project Manager



Contact:
Hollis E. Phillips

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415.374.2744 ext 13

Email:
Hollis.phillips@arcadis-us.com

Our ref:
GP09BPNA.C106

First Quarter 2010 Ground-Water Monitoring Report
Former BP Station #11109
4280 Foothill Blvd., Oakland, California
ACEH Case #RO0000426

Prepared for

Ms. Hollis Phillips, PG
Senior Geologist
ARCADIS-US, Inc.
100 Montgomery Street, Ste. 300
San Francisco, California 94104

On behalf of

Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by

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

1324 Mangrove Avenue, Suite 212
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(530) 566-1400
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30 April 2010

Project No. 09-88-646

Broadbent & Associates, Inc.
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BROADBENT & ASSOCIATES, INC
ENVIRONMENTAL, WATER RESOURCES & ENGINEERING

30 April 2010

Project No. 09-88-646

ARCADIS-US, Inc.
100 Montgomery Street, Suite 300
San Francisco, California 94104
Submitted via ENFOS

Attn.: Ms. Hollis Phillips, PG – Senior Geologist

Re: First Quarter 2010 Ground-Water Monitoring Report, Former BP Service Station #11109, 4280 Foothill Boulevard, Oakland, Alameda County, California;
ACEH Case #RO0000426

Dear Ms. Phillips:

Provided herein is the *First Quarter 2010 Ground-Water Monitoring Report* for Former BP Service Station #11109 located at 4280 Foothill Boulevard, Oakland, California (Site). This report presents a summary of results from ground-water monitoring conducted at the Site during the First Quarter of 2010.

Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Jason Duda
Project Scientist

Thomas A. Venus, P.E.
Senior Engineer

Enclosure

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp Site)
Ms. Shelby Lathrop, ConocoPhillips, 76 Broadway, Sacramento, California 95818
Electronic copy uploaded to GeoTracker

STATION #11109 GROUND-WATER MONITORING REPORT

Facility: #11109 Address:	4280 Foothill Boulevard, Oakland
ARCADIS Project Manager:	Ms. Hollis Phillips, PG
Consulting Co./Contact Persons:	Broadbent & Associates, Inc.(BAI)/Jason Duda & Tom Venus (530) 566-1400
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) ACEH Case #RO0000426
Consultant Project No.:	09-88-646

WORK PERFORMED THIS QUARTER (First Quarter 2010):

1. Prepared and submitted *Fourth Quarter 2009 Ground-Water Monitoring Report* (BAI, 1/21/2010).
2. Conducted ground-water monitoring/sampling for First Quarter 2010. Work performed on 23 March 2010 by BAI.
3. Performed monthly free product gauging and bailing of wells MW-5 and MW-10 through MW-12. Work performed on 26 January, 24 February, and 23 March 2010 by BAI.

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2010):

1. Prepare and submit this *First Quarter 2010 Ground-Water Monitoring Report* (contained herein).
2. Perform monthly free product gauging and bailing of wells MW-5 and MW-10 through MW-12.
3. Conduct ground-water monitoring/sampling for Second Quarter 2010.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	**Ground-water monitoring/sampling/DPE IRM**
Frequency of ground-water monitoring:	**Monthly: MW-5, MW-10, MW-11, and MW-12 (Measure/ Bail FP if present)** **Semi-Annually (1Q & 3Q): MW-2 through MW-12**
Frequency of ground-water sampling:	**Quarterly: MW-10, MW-11, and MW-12 (one year)** **Semi-Annually (1Q & 3Q): MW-2 through MW-9**
Current remediation techniques:	**Monthly Free Product Bailing**
Is Free Product (FP) present on-site:	**Yes (MW-5 and MW-10)**
FP recovered this quarter:	**4 gallons (FP/water mixture)**
Depth to ground water (below TOC):	**7.10 ft (MW-5) to 11.48 ft (MW-6)**
General ground-water flow direction:	**Northwest**
Approximate hydraulic gradient:	**0.03 ft/ft**

DISCUSSION:

The First Quarter 2010 semi-annual ground-water monitoring and sampling event was conducted at Former BP Station #11109 on 23 March 2010 by BAI. Water levels were gauged in ten of the eleven wells at the Site. Well MW-2 was reported as dry even though the well was originally drilled to a total depth of 20 feet below ground surface (bgs). A root mass is suspected to be present at approximately 13 feet bgs. A vehicle parked over MW-8 for the duration of the sampling event prevented access to the well. No other irregularities were noted during water level gauging. Depth to water measurements across the Site ranged from 7.10 ft at MW-5 to 11.48 ft at MW-6. Resulting ground-water surface elevations ranged from 32.79 ft above datum in well MW-11 to 28.86 ft in well MW-12. Water level elevations

associated with Station #11109 yielded a potentiometric ground-water flow direction and gradient of approximately 0.03ft/ft to the northwest. Ground-water monitoring field data sheets for Station #11109 are provided within Appendix A. Measured depths to ground water and respective ground-water elevations are summarized in Table 1. Current and historic ground-water flow directions and gradients are provided in Table 3. A Site Location Map is provided as Drawing 1. Potentiometric ground-water elevation contours for Station #11109 are presented in Drawing 2.

Ground-water samples were collected from wells MW-3 through MW-7 and MW-9 through MW-12. Well MW-2 was not sampled due to dry conditions and well MW-8 was not sampled due to the presence of a parked car. Well MW-5 purged dry before three casing volumes were removed but recovered sufficiently prior to sampling. Small droplets of product were noted in the sampling bailer from wells MW-10 and MW-12. No other irregularities were reported during sampling. Samples were submitted under chain-of-custody documentation to TestAmerica Laboratories, Inc. (Pleasanton, California) to be analyzed for Gasoline Range Organics (GRO, C6-C12); Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX); 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. No significant irregularities were encountered during laboratory analysis of the samples. Ground-water 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 laboratory reporting limits in five of the nine wells sampled at concentrations up to 71,000 micrograms per liter (µg/L) in MW-5. Benzene was detected above the laboratory reporting limit in five of the nine wells sampled at concentrations up to 6,500 µg/L in well MW-10. Toluene was detected above the laboratory reporting limit in four of the nine wells sampled at concentrations up to 4,800 µg/L in well MW-10. Ethylbenzene was detected above the laboratory reporting limit in four of the nine wells sampled at concentrations up to 3,100 µg/L in well MW-12. Total Xylenes were detected above the laboratory reporting limit in four of the nine wells sampled at concentrations up to 9,700 µg/L in well MW-10. MTBE was detected above the laboratory reporting limit in three of the nine wells sampled at concentrations up to 84 µg/L in MW-4. TBA was detected above the laboratory reporting limit in wells MW-4 and MW-7 at concentrations of 18 µg/L and 12 µg/L, respectively. TAME was detected above the laboratory reporting limit in well MW-4 at a concentration of 0.88 µg/L. The remaining fuel constituents were not detected above their laboratory reporting limits in the nine wells sampled this quarter. Historic laboratory analytical results for Former BP Station #11109 are summarized in Table 1 and Table 2. Drawing 2 provides First Quarter 2010 laboratory analytical results for GRO, Benzene, and MTBE constituents. Ground-water monitoring data (GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation receipts are provided in Appendix B.

Separate phase hydrocarbons (SPH, or Free Product – FP) in wells MW-5 and MW-10 through MW-12 were monitored and removed, if present, during each month of the First Quarter 2010. On 26 January 2010, FP thickness was measured in well MW-5 at 0.02 feet and in MW-10 at 0.01 feet. Approximately 1.5 gallons of FP/water mixture was bailed from well MW-5 and 0.5 gallons from MW-10 during this visit. No FP was observed in wells MW-11 and MW-12. On 24 February 2010, FP thickness was measured in well MW-5 at 0.02 feet. Approximately two gallons of FP/water mixture was bailed from well MW-5 during this visit. No FP was observed in wells MW-10 through MW-12. On 23 March 2010 (during the scheduled semi-annual site sampling/monitoring event), no FP was measured in wells MW-5 and MW-10 through MW-12 during gauging activities. However, FP droplets were observed during the purging activities conducted in wells MW-10 and MW-12. Table 4 contains a summary of FP removal data.

CONCLUSIONS AND RECOMMENDATIONS:

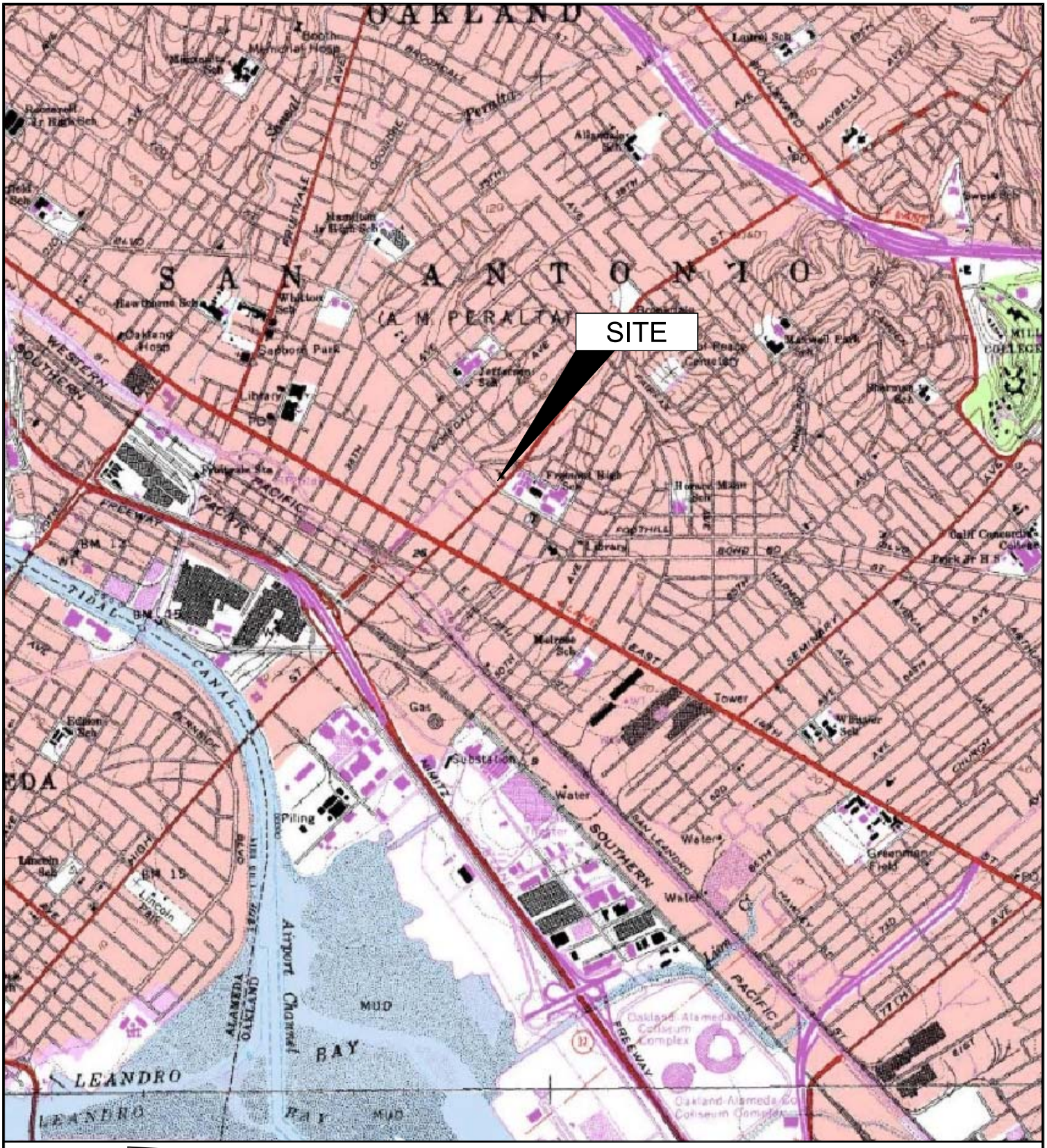
Water level elevations were between historic minimum and maximum ranges for each well gauged this quarter, with the exception of recently installed wells MW-10, MW-11, and MW-12. The potentiometric ground-water flow direction and gradient of 0.03 ft/ft to the northwest is somewhat inconsistent with historical data and might possibly be a result of the change in top of casing elevations following the recent well survey. Future gauged ground-water elevations and resultant flow directions/ gradients should be scrutinized for this potential change. Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well with the following exceptions: MTBE reached historic minimum concentrations in wells MW-3 and MW-6. ARCADIS-US, Inc. submitted the *Feasibility Study and Corrective Action Plan* on 2 December 2009 in response to the directive letter from ACEH dated 13 August 2009. ARCADIS-US, Inc. is currently awaiting a response to this submittal.

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 TestAmerica Laboratories, Inc. (Pleasanton, 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 ARCADIS-US, Inc. and Atlantic Richfield Company (a BP affiliated 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, Former BP Station #11109, 4280 Foothill Boulevard, Oakland, California
Drawing 2.	Ground-Water Elevation Contours and Analytical Summary Map, 23 March 2010, Former BP Station #11109, 4280 Foothill Boulevard, Oakland, California
Table 1.	Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11109, 4280 Foothill Blvd., Oakland, California
Table 2.	Summary of Fuel Additives Analytical Data, Station #11109, 4280 Foothill Blvd., Oakland, California
Table 3.	Historical Ground-Water Flow Direction and Gradient, Station #11109, 4280 Foothill Blvd., Oakland, California
Table 4.	Summary of Free Product Removal, Former BP Service Station #11109, 4280 Foothill Boulevard, Oakland, California
Appendix A.	BAI Ground-Water Sampling Data (Includes Field Data Sheets, Non-Hazardous Waste Data Form, Laboratory Report, Chain-of-Custody Documentation, and Field Procedures)
Appendix B.	GeoTracker Upload Confirmation Receipts



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0 2000 4000

APPROXIMATE SCALE (ft)

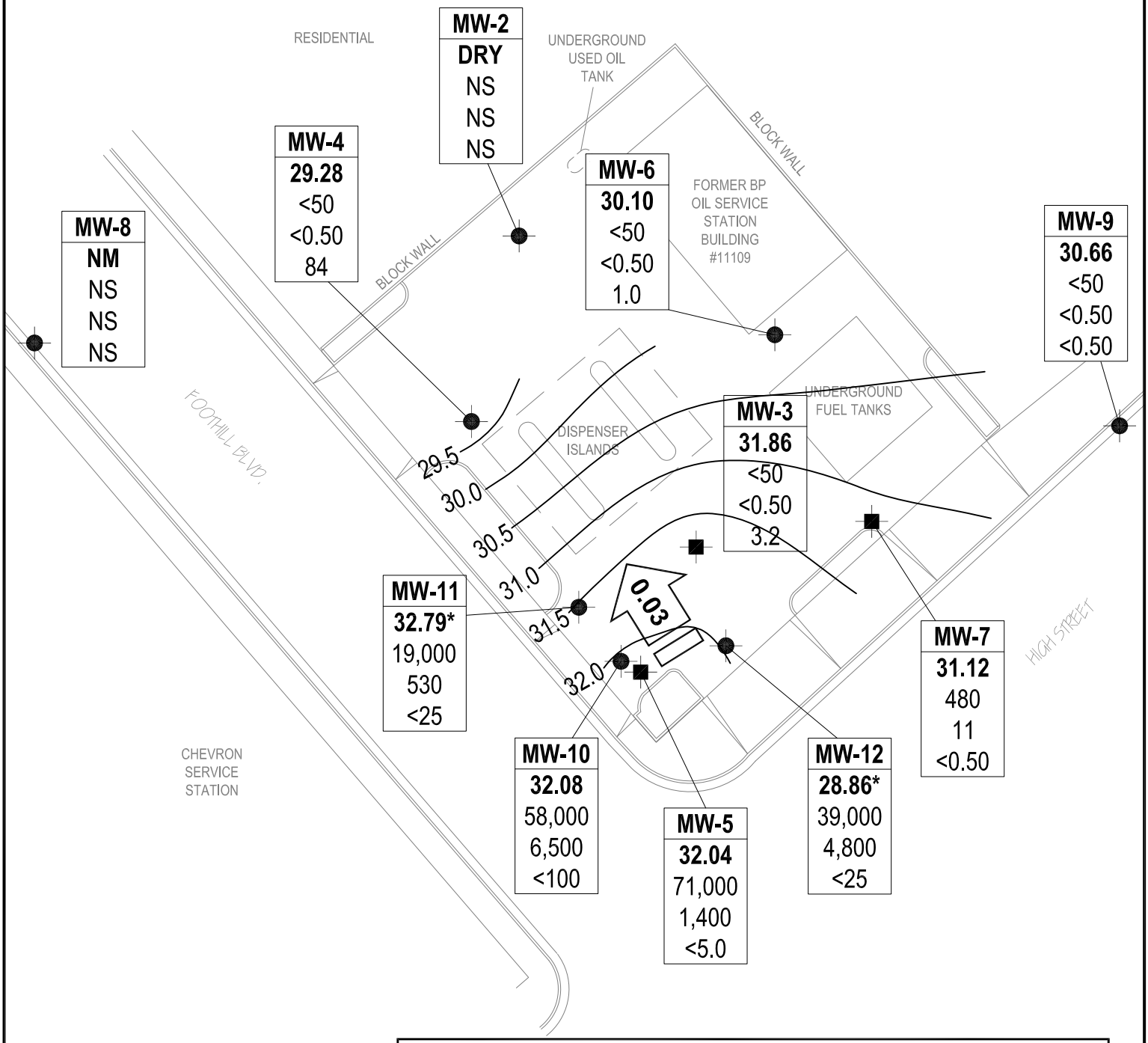
IMAGE SOURCE: USGS

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, CA 95926
Project No.: 06-88-646 Date: 07/23/09

Former BP Station #11109
4280 Foothill Boulevard
Oakland, California

Site Location Map

Drawing
1



Monitor Well
Recovery Well
30.0 Ground-Water Elevation Contour (ft)

MW-12
28.86 Ground-Water Elevation (ft)
39,000 GRO Concentration (µg/L)
4,800 Benzene Concentration (µg/L)
<25 MTBE Concentration (µg/L)

NA Not Applicable
NM Not Monitored
NS Not Sampled
SPH Separate Phase Hydrocarbons
* Elevation Not Used for Contouring
< Not Detected at or Above Laboratory Reporting Limits
0.03 Groundwater Elevation Flow Direction and Gradient (ft/ft)

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926
Project No.: 09-88-646 Date: 04/27/2010

Former BP Station #11109
4280 Foothill Boulevard
Oakland, California

Ground-Water Elevation Contours and Analytical Summary Map
23 March 2010

Drawing
2

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-1																		
1/31/1990	--		38.19	15.41	--	22.78	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1990	--	c	38.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2																		
2/5/1990	--		41.22	21.90	--	19.32	1,300	14	<0.1	9	13	--	--	SUP	--	--	--	--
2/14/1991	--	d	41.22	21.16	--	20.06	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	<10000	<5000	51
5/13/1991	--	e	41.22	21.32	--	19.90	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	<50	6,000	0.5
7/24/1991	--		41.22	22.92	--	18.30	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--	e	41.22	24.90	--	16.32	<50	<0.3	0.8	<0.3	<0.3	--	--	SUP	--	<50	<5000	0.7
10/15/1991	--		41.22	24.10	--	17.12	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--	f	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.22	23.95	--	17.27	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.22	23.30	--	17.92	<50	<0.3	<0.3	<0.3	<0.3	--	--	ANA	--	<50	<5000	--
1/22/1992	--		41.22	23.14	--	18.08	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.22	22.99	--	18.23	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.22	22.63	--	18.59	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.22	22.04	--	19.18	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		41.22	20.84	--	20.38	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.22	18.29	--	22.93	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.22	18.86	--	22.36	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	63	<5000	--
4/14/1992	--		41.22	19.45	--	21.77	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.22	20.35	--	20.87	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.22	20.84	--	20.38	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.22	22.34	--	18.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.22	23.73	--	17.49	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.22	21.12	--	20.10	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	g, n	41.22	17.68	--	23.54	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	<50	<5000	--
7/7/1993	--	e, n	41.22	20.30	--	20.92	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	1.0
9/21/1993	--	n	41.22	21.93	--	19.29	<50	0.9	0.7	0.7	2.6	21.54	--	PACE	--	--	--	--
12/17/1993	--		41.22	21.48	--	19.74	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.22	--	--	--	<50	<0.5	<0.5	<0.5	0.7	--	--	PACE	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-2 Cont.																		
4/7/1994	--	n	41.22	20.25	--	20.97	<50	<0.5	<0.5	<0.5	<0.5	12.2	5.9	PACE	--	--	--	--
7/6/1994	--	n	41.22	20.59	--	20.63	<50	<0.5	<0.5	<0.5	<0.5	--	3.1	PACE	--	--	--	--
10/7/1994	--	n	41.22	22.04	--	19.18	<50	<0.5	<0.5	<0.5	<0.5	15.2	2.8	PACE	--	--	--	--
1/27/1995	--		41.22	26.12	--	15.10	<50	<0.5	<0.5	<0.5	<1	--	4.8	ATI	--	440	<5000	--
3/30/1995	--		41.22	12.34	--	28.88	<50	<0.50	<0.50	<0.50	<1.0	--	7.2	ATI	--	--	--	--
6/20/1995	--		41.22	16.42	--	24.80	<50	<0.50	<0.50	<0.50	<1.0	--	6.0	ATI	--	--	--	--
10/3/1995	--		41.22	20.06	--	21.16	<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.7	ATI	--	--	--	--
12/6/1995	--		41.22	21.31	--	19.91	<50	<0.50	<0.50	<0.50	<1.0	46	5.4	ATI	--	--	--	--
3/21/1996	--		41.22	12.28	--	28.94	<50	<0.5	<1.0	<1.0	<1.0	<1.0	7.4	SPL	--	--	--	--
6/21/1996	--		41.22	13.28	--	27.94	<50	<0.5	<1	<1	<1	<10	7.3	SPL	--	--	--	--
9/6/1996	--		41.22	13.94	--	27.28	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		41.22	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.4	SPL	--	--	--	--
12/19/1996	--		41.22	12.19	--	29.03	<50	<0.5	<1.0	<1.0	<1.0	<10	7.9	SPL	--	--	--	--
3/17/1997	--		41.22	11.59	--	29.63	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.22	13.21	--	28.01	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		41.22	12.34	--	28.88	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.22	11.04	--	30.18	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.22	11.77	--	29.45	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.22	12.38	--	28.84	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.22	17.72	--	23.50	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.22	11.94	--	29.28	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.22	10.31	--	30.91	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.22	14.35	--	26.87	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.22	13.11	--	28.11	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.22	13.24	--	27.98	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P	q	41.22	18.58	--	22.64	350	<0.50	<0.50	0.56	2.8	24	--	SEQM	6.2	--	--	--
03/09/2004	P		41.22	12.52	--	28.70	74	<0.50	<0.50	0.83	4.7	27	--	SEQM	6.5	--	--	--
09/17/2004	P		41.22	18.05	--	23.17	59	<0.50	<0.50	<0.50	<0.50	21	--	SEQM	6.3	--	--	--
03/07/2005	--	p	41.22	2.32	--	38.90	--	--	--	--	--	--	--	--	--	--	--	--
09/06/2005	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	--	p	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-2 Cont.																		
9/5/2006	--	p	41.22	10.46	--	30.76	79	<0.50	5.1	<0.50	0.73	<0.50	--	TAMC	6.4	--	--	--
3/5/2007	--	p	41.22	12.25	--	28.97	--	--	--	--	--	--	--	--	--	--	--	--
9/7/2007	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	--	w	41.22	12.33	--	28.89	--	--	--	--	--	--	--	--	--	--	--	--
9/3/2008	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/4/2009	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/30/2009	--	r, x	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/28/2009	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/23/2010	--	**r**	**41.22**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3																		
2/5/1990	--		40.74	17.45	--	23.29	1,400	15	<2.5	11	8	--	--	SUP	--	--	--	--
2/14/1991	--		40.74	18.52	--	22.22	320	8	<0.3	8	1	--	--	SUP	--	--	--	--
5/13/1991	--		40.74	19.32	--	21.42	640	13	<0.3	18	1	--	--	SUP	--	--	--	--
7/24/1991	--		40.74	20.69	--	20.05	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--		40.74	19.47	--	21.27	940	21	<0.3	23	2.1	--	--	SUP	--	--	--	--
10/15/1991	--		40.74	20.46	--	20.28	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.74	18.29	--	22.45	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		40.74	18.34	--	22.40	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		40.74	18.50	--	22.24	580	6.1	1	6.1	7.1	--	--	ANA	--	--	--	--
1/22/1992	--		40.74	17.86	--	22.88	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.74	15.84	--	24.90	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.74	17.53	--	23.21	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.74	17.15	--	23.59	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		40.74	16.18	--	24.56	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.74	14.80	--	25.94	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		40.74	17.06	--	23.68	1,100	30	4.6	32	11	--	--	ANA	--	--	--	--
4/14/1992	--		40.74	15.22	--	25.52	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.74	15.90	--	24.84	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.74	16.35	--	24.39	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.74	17.74	--	23.00	1,200	38	<2.5	24	<2.5	--	--	ANA	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-3 Cont.																		
10/8/1992	--		40.74	19.06	--	21.68	1,400	31	<0.5	25	13	--	--	ANA	--	--	--	--
12/31/1992	--		40.74	16.61	--	24.13	820	12	4.1	13	5.9	--	--	ANA	--	--	--	--
12/31/1992	--	h	40.74	--	--	--	960	11	3.6	10	3.8	--	--	ANA	--	--	--	--
4/21/1993	--	h, n	40.74	--	--	--	390	5	<0.5	3.7	1.5	--	--	PACE	--	--	--	--
4/21/1993	--	n	40.74	14.24	--	26.50	420	5.6	<0.5	3.9	1.4	--	--	PACE	--	--	--	--
7/7/1993	--	i, n	40.13	15.19	--	24.94	54	0.6	0.6	<0.5	<0.5	12.68	--	PACE	--	--	--	--
9/21/1993	--	n	40.13	16.58	--	23.55	540	7.9	0.9	4.7	2.4	--	--	PACE	--	--	--	--
12/17/1993	--		40.13	15.82	--	24.31	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	40.13	--	--	--	500	9.8	1.5	3.3	2.1	--	--	PACE	--	--	--	--
12/23/1993	--	h	40.13	--	--	--	480	9.2	<0.5	5.4	5.3	--	--	PACE	--	--	--	--
4/7/1994	--	h	40.13	--	--	--	460	20	7.7	9	11	--	--	PACE	--	--	--	--
4/7/1994	--	n	40.13	28.50	--	11.63	460	20	7.4	8.9	11	18.2	--	PACE	--	--	--	--
7/6/1994	--	n	40.13	--	--	--	300	10	0.6	1.7	6.4	5.54	4.8	PACE	--	--	--	--
10/7/1994	--	n	40.13	27.65	--	12.48	620	28	<0.5	2.2	12	31.4	4.4	PACE	--	--	31	--
1/27/1995	--	j	40.13	27.65	--	12.48	--	--	--	--	--	--	--	--	--	--	--	--
3/30/1995	--		40.13	26.05	--	14.08	300	10	6	3.4	18	--	7.6	ATI	--	--	--	--
6/20/1995	--		40.13	19.49	--	20.64	170	7.2	3.4	0.85	15	--	--	ATI	--	--	--	--
10/3/1995	--		40.13	24.93	--	15.20	170	2.1	<0.50	0.81	8	6.7	--	ATI	--	--	--	--
12/6/1995	--		40.13	25.14	--	14.99	1,700	6.7	3.1	2.8	210	64	--	ATI	--	--	--	--
12/6/1995	--	h	40.13	--	--	--	1,400	6.1	3	1.7	190	53	--	ATI	--	--	--	--
3/21/1996	--		40.13	9.48	--	30.65	<50	0.5	<1	<1	1	<10	7.3	SPL	--	--	--	--
6/21/1996	--		40.13	11.60	--	28.53	<50	13	<1	<1	<1	12	7.6	SPL	--	--	--	--
9/6/1996	--		40.13	12.23	--	27.90	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		40.13	--	--	--	<250	6.5	<5.0	<5.0	<5.0	<50	7.6	SPL	--	--	--	--
12/19/1996	--		40.13	10.46	--	29.67	<50	4.1	<1.0	<1.0	<1.0	<10	8.4	SPL	--	--	--	--
3/17/1997	--		40.13	9.86	--	30.27	50	<5	<1.0	<1.0	<1.0	<10	7.4	SPL	--	--	--	--
8/12/1997	--		40.13	12.11	--	28.02	<50	0.79	<1.0	<1.0	<1.0	10	6.1	SPL	--	--	--	--
12/10/1997	--		40.13	10.90	--	29.23	<50	<0.5	<1.0	<1.0	<1.0	<10	3.2	SPL	--	--	--	--
3/12/1998	--		40.13	10.20	--	29.93	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	--	--	--
3/12/1998	--	h	40.13	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	--	--	--
6/23/1998	--		40.13	10.17	--	29.96	50	<0.5	<1.0	<1.0	<1.0	<10	3.4	SPL	--	--	--	--

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Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-3 Cont.																		
3/31/1999	--		40.13	11.45	--	28.68	60	<1.0	<1.0	<1.0	<1.0	6.2	--	SPL	--	--	--	--
8/25/1999	--		40.13	12.52	--	27.61	<50	<1.0	<1.0	<1.0	<1.0	7.7	--	SPL	--	--	--	--
3/9/2000	--		40.13	12.39	--	27.74	<50	<0.5	0.54	<0.5	1.7	6.3	--	PACE	--	--	--	--
3/8/2001	--		40.13	10.41	--	29.72	<50	<0.5	<0.5	<0.5	0.59	7.7	--	PACE	--	--	--	--
3/8/2002	--		40.13	9.83	--	30.30	62	<0.5	<0.5	<0.5	<1.0	11.6	--	PACE	--	--	--	--
3/18/2002	--		40.13	9.20	--	30.93	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.13	10.54	--	29.59	<50	<0.50	<0.50	<0.50	<0.50	6.7	--	SEQ	--	--	--	--
12/09/2003	P		40.13	12.88	--	27.25	<50	<0.50	<0.50	<0.50	<0.50	6.4	--	SEQM	6.3	--	--	--
03/09/2004	P		40.13	9.49	--	30.64	<50	<0.50	<0.50	<0.50	0.63	6.9	--	SEQM	6.1	--	--	--
09/17/2004	--		40.13	12.76	--	27.37	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		40.13	7.30	--	32.83	<50	<0.50	<0.50	<0.50	0.52	5.1	--	SEQM	7.0	--	--	--
09/06/2005	--		42.92	10.81	--	32.11	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	42.92	8.85	--	34.07	<50	<0.50	<0.50	<0.50	<0.50	6.9	--	SEQM	6.8	--	--	--
9/5/2006	--		42.92	9.86	--	33.06	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		42.92	8.33	--	34.59	<50	<0.50	<0.50	<0.50	<0.50	5.4	2.31	TAMC	6.95	--	--	--
9/7/2007	--		42.92	11.10	--	31.82	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		42.92	8.92	--	34.00	<50	<0.50	<0.50	<0.50	<0.50	4.2	2.5	CEL	6.86	--	--	--
9/3/2008	--		42.92	12.19	--	30.73	--	--	--	--	--	--	--	--	--	--	--	--
3/4/2009	P		42.92	8.28	--	34.64	<50	<0.50	<0.50	<0.50	<0.50	4.9	1.19	CEL	6.71	--	--	--
9/30/2009	P	x	40.13	11.60	--	28.53	<50	<0.50	<0.50	<0.50	<0.50	6.8	--	CEL	7.12	--	--	--
10/28/2009	--		40.13	10.40	--	29.73	--	--	--	--	--	--	--	--	--	--	--	--
3/23/2010	**P**		**40.13**	**8.27**	**--**	**31.86**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**3.2**	**2.47**	**TAMC**	**6.61**	**--**	**--**	**--**
MW-4																		
2/5/1990	--		40.11	20.75	--	19.36	620	<0.5	9	<0.5	10	--	--	SUP	--	--	--	--
2/14/1991	--		40.11	21.73	--	18.38	180	<0.3	<0.3	0.4	2	--	--	SUP	--	--	--	--
5/13/1991	--		40.11	18.55	--	21.56	72	0.7	<0.3	<0.3	<0.3	--	--	SUP	--	--	--	--
7/24/1991	--		40.11	21.31	--	18.80	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--		40.11	22.57	--	17.54	57	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	--	--	--
10/15/1991	--		40.11	22.88	--	17.23	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.11	22.54	--	17.57	--	--	--	--	--	--	--	--	--	--	--	--

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Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-4 Cont.																		
12/16/1991	--		40.11	22.59	--	17.52	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		40.11	22.00	--	18.11	480	0.8	3.2	1.9	7.7	--	--	ANA	--	--	--	--
1/22/1992	--		40.11	21.58	--	18.53	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.11	21.42	--	18.69	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.11	21.10	--	19.01	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.11	20.74	--	19.37	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		40.11	19.78	--	20.33	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.11	16.80	--	23.31	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		40.11	17.13	--	22.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		40.11	17.74	--	22.37	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.11	18.56	--	21.55	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.11	19.10	--	21.01	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.11	20.71	--	19.40	<50	0.6	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		40.11	22.43	--	17.68	270	<0.5	2.1	2.5	3.2	--	--	ANA	--	--	--	--
12/31/1992	--		40.11	19.58	--	20.53	150	<0.5	<0.5	<0.5	1.3	--	--	ANA	--	--	--	--
4/21/1993	--	n	40.11	17.79	--	22.32	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	40.11	18.44	--	21.67	160	1.2	5.4	3.8	19	5.51	--	PACE	--	--	--	--
9/21/1993	--	n	40.11	20.14	--	19.97	71	<0.5	1.9	<0.5	2.1	--	--	PACE	--	--	--	--
12/17/1993	--		40.11	19.80	--	20.31	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	40.11	--	--	--	<50	3.1	1.6	0.8	3.8	5.7	--	PACE	--	--	--	--
4/7/1994	--	n	40.11	19.12	--	20.99	<50	<0.5	<0.5	<0.5	<0.5	11.7	6.6	PACE	--	--	--	--
7/6/1994	--	n	40.11	19.90	--	20.21	62	<0.5	<0.5	<0.5	<0.5	--	4.1	PACE	--	--	--	--
10/7/1994	--	n	40.11	20.07	--	20.04	<50	<0.5	<0.5	<0.5	<0.5	7.38	3.6	PACE	--	--	--	--
1/27/1995	--		40.11	13.72	--	26.39	<50	<0.5	<0.5	<0.5	<1	--	2.7	ATI	--	--	--	--
3/30/1995	--		40.11	11.46	--	28.65	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	--	--	--
6/20/1995	--		40.11	14.78	--	25.33	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--		40.11	19.62	--	20.49	<50	<0.50	<0.50	<0.50	<1.0	5	5.8	ATI	--	--	--	--
12/6/1995	--		40.11	19.91	--	20.20	<50	<0.50	<0.50	<0.50	<1.0	47	5.7	ATI	--	--	--	--
3/21/1996	--		40.11	11.12	--	28.99	<50	<0.5	<1	<1	<1	<10	7.8	SPL	--	--	--	--
6/21/1996	--		40.11	12.21	--	27.90	<50	<0.5	<1	<1	<1	<10	7.9	SPL	--	--	--	--
9/6/1996	--		40.11	12.89	--	27.22	--	--	--	--	--	--	--	--	--	--	--	--

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Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-4 Cont.																		
9/9/1996	--		40.11	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.2	SPL	--	--	--	--
12/19/1996	--		40.11	11.01	--	29.10	<50	<0.5	<1.0	<1.0	<1.0	<10	8.4	SPL	--	--	--	--
3/17/1997	--		40.11	10.42	--	29.69	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		40.11	12.77	--	27.34	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		40.11	11.22	--	28.89	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		40.11	10.81	--	29.30	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		40.11	10.61	--	29.50	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		40.11	11.46	--	28.65	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		40.11	16.16	--	23.95	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		40.11	12.23	--	27.88	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		40.11	11.04	--	29.07	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		40.11	12.73	--	27.38	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		40.11	11.62	--	28.49	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.11	13.44	--	26.67	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		40.11	15.03	--	25.08	<250	<2.5	<2.5	<2.5	<2.5	130	--	SEQM	6.1	--	--	--
03/09/2004	P		40.11	11.04	--	29.07	<50	<0.50	<0.50	<0.50	<0.50	35	--	SEQM	5.5	--	--	--
09/17/2004	P		40.11	16.75	--	23.36	<250	<2.5	<2.5	<2.5	<2.5	140	--	SEQM	6.5	--	--	--
03/07/2005	P		40.11	11.02	--	29.09	67	<0.50	<0.50	<0.50	<0.50	42	--	SEQM	6.6	--	--	--
09/06/2005	P	s, t	42.88	14.64	--	28.24	81	<0.50	<0.50	<0.50	<1.5	180	--	SEQM	6.7	--	--	--
03/06/2006	P		42.88	12.42	--	30.46	<100	<1.0	<1.0	<1.0	<1.0	110	--	SEQM	6.4	--	--	--
9/5/2006	--		42.88	13.81	--	29.07	130	<1.0	<1.0	<1.0	<1.0	190	--	TAMC	6.5	--	--	--
3/5/2007	P		42.88	10.63	--	32.25	<50	<0.50	<0.50	<0.50	<0.50	13	3.34	TAMC	7.11	--	--	--
9/7/2007	P	s, v (MTBE)	42.88	14.77	--	28.11	90	<0.50	<0.50	<0.50	<0.50	130	1.14	TAMC	6.68	--	--	--
3/6/2008	P		42.88	11.30	--	31.58	<50	<0.50	<0.50	<0.50	<0.50	170	1.76	CEL	6.62	--	--	--
9/3/2008	P		42.88	16.11	--	26.77	<50	<5.0	<5.0	<5.0	<5.0	150	1.97	CEL	6.33	--	--	--
3/4/2009	P		42.88	10.78	--	32.10	140	<5.0	<5.0	<5.0	<5.0	110	1.31	CEL	6.47	--	--	--
9/30/2009	P	x, y (GRO)	40.10	16.48	--	23.62	240	<2.0	<2.0	<2.0	<2.0	140	0.08	CEL	6.88	--	--	--
10/28/2009	--		40.10	15.07	--	25.03	--	--	--	--	--	--	--	--	--	--	--	--
3/23/2010	**P**		**40.10**	**10.82**	**--**	**29.28**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**84**	**0.63**	**TAMC**	**6.39**	**--**	**--**	**--**

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-5																		
10/3/1991	--		39.55	18.08	--	21.47	79,000	13,000	7,400	1,400	6,200	--	--	SUP	--	--	--	--
10/15/1991	--		39.55	18.55	--	21.00	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--	a	39.55	18.44	0.13	20.98	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--	a	39.55	18.66	0.01	20.88	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--	a	39.55	19.12	0.11	20.32	--	--	--	--	--	--	--	--	--	--	--	--
1/22/1992	--		39.55	14.59	--	24.96	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		39.55	15.25	--	24.30	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--	q	39.55	15.58	--	23.97	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--	a	39.55	15.54	0.01	24.00	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--	q	39.55	13.98	--	25.57	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--	a	39.55	13.63	0.04	25.88	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--	a	39.55	13.17	0.01	26.37	--	--	--	--	--	--	--	--	--	--	--	--
4/14/1992	--	a	39.55	13.45	0.01	26.09	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--	a	39.55	13.75	0.07	25.73	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--	a	39.55	16.15	0.04	23.36	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--	a	39.55	17.67	0.08	21.80	--	--	--	--	--	--	--	--	--	--	--	--
9/1/1992	--	a	39.55	17.83	0.50	21.22	--	--	--	--	--	--	--	--	--	--	--	--
10/8/1992	--	a	39.55	17.86	0.92	20.77	--	--	--	--	--	--	--	--	--	--	--	--
12/31/1992	--	q	39.55	15.20	--	24.35	--	--	--	--	--	--	--	--	--	--	--	--
4/21/1993	--	a	39.55	12.64	0.02	26.89	--	--	--	--	--	--	--	--	--	--	--	--
7/7/1993	--	a, i	39.14	12.68	0.82	25.64	--	--	--	--	--	--	--	--	--	--	--	--
9/21/1993	--	q	39.14	14.35	--	24.79	--	--	--	--	--	--	--	--	--	--	--	--
12/17/1993	--	a	39.14	12.61	0.41	26.12	--	--	--	--	--	--	--	--	--	--	--	--
4/7/1994	--	n	39.14	30.00	--	9.14	66,000	3,000	1,700	250	6,800	2,002	--	PACE	--	--	--	--
7/6/1994	--	n	39.14	--	--	--	29,000	1,900	330	63	2,700	1,141	--	PACE	--	--	--	--
10/7/1994	--	h	39.14	--	--	--	45,000	2,900	540	260	2,600	--	--	PACE	--	--	--	--
10/7/1994	--	n	39.14	28.70	--	10.44	250,000	2,600	660	830	5,200	37.7	4.2	PACE	--	--	--	--
1/27/1995	--		39.14	28.70	--	10.44	--	--	--	--	--	--	--	--	--	--	--	--
3/30/1995	--	h	39.14	--	--	--	43,000	7,900	2,500	440	6,200	--	--	ATI	--	--	--	--
3/30/1995	--		39.14	28.95	--	10.19	50,000	7,900	2,600	520	6,400	--	5.5	ATI	--	--	--	--
6/20/1995	--	h	39.14	--	--	--	26,000	3,500	290	<25	3,300	--	--	ATI	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-5 Cont.																		
6/20/1995	--		39.14	22.54	--	16.60	34,000	5,100	1,900	300	3,700	--	--	ATI	--	--	--	--
10/3/1995	--	h	39.14	--	--	--	12,000	46	39	10	1,600	320	--	ATI	--	--	--	--
10/3/1995	--		39.14	18.84	--	20.30	12,000	68	42	11	1,600	330	--	ATI	--	--	--	--
12/6/1995	--		39.14	19.07	--	20.07	16,000	1,200	93	51	700	600	--	ATI	--	--	--	--
3/21/1996	--		39.14	7.43	--	31.71	1,500	89	28	6	250	<10	7.2	SPL	--	--	--	--
3/21/1996	--	h	39.14	--	--	--	1,900	92	30	7	270	<10	--	SPL	--	--	--	--
6/21/1996	--		39.14	9.87	--	29.27	3,500	740	150	19	400	<100	7.1	SPL	--	--	--	--
6/21/1996	--	h	39.14	--	--	--	2,700	680	140	20	400	<50	--	SPL	--	--	--	--
9/6/1996	--		39.14	10.52	--	28.62	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--	h	39.14	--	--	--	90,000	2,900	1,600	670	6,900	<2500	--	SPL	--	--	--	--
9/9/1996	--		39.14	--	--	--	82,000	3,100	1,700	850	9,100	<2500	7.5	SPL	--	--	--	--
12/19/1996	--		39.14	8.62	--	30.52	41,000	790	820	120	2,040	<500	7.7	SPL	--	--	--	--
12/19/1996	--	h	39.14	--	--	--	26,000	490	430	63	1,140	<500	--	SPL	--	--	--	--
3/17/1997	--		39.14	8.22	--	30.92	5,500	1.9	2.4	<1.0	<1.0	29	6.4	SPL	--	--	--	--
3/17/1997	--	h	39.14	--	--	--	6,600	2.5	2.7	<1.0	<1.0	28	--	SPL	--	--	--	--
8/12/1997	--	h	39.14	--	--	--	36,000	6,100	2,500	720	4,500	<500	--	SPL	--	--	--	--
8/12/1997	--	a	39.14	12.18	0.22	26.74	33,000	6,400	2,400	680	4,400	<1000	6.8	SPL	--	--	--	--
12/10/1997	--	a	39.14	10.78	0.06	28.30	31,000	3,000	2,500	560	5,100	500	1.8	SPL	--	--	--	--
12/10/1997	--	h	39.14	--	--	--	37,000	2,900	2,500	440	4,800	--	--	SPL	--	--	--	--
3/12/1998	--	a	39.14	10.11	0.22	28.81	100,000	1,600	870	250	2,600	<250	6.1	SPL	--	--	--	--
6/23/1998	--	a	39.14	10.20	0.02	28.92	27,000	2,500	840	370	2,900	<250	2.1	SPL	--	--	--	--
6/23/1998	--	h	39.14	--	--	--	27,000	2,600	840	400	2,950	<500	--	SPL	--	--	--	--
3/31/1999	--	f	39.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--	a	39.14	14.69	0.38	24.07	180,000	2,700	400	830	2,800	26	--	SPL	--	--	--	--
3/9/2000	--	a	39.14	14.83	0.60	23.71	53,000	12,000	2,600	1,900	9,100	<5.0	--	PACE	--	--	--	--
3/8/2001	--	f	39.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--	a	39.14	11.45	1.50	26.19	33,000	8,240	1,080	1,010	2,900	34.3	--	PACE	--	--	--	--
3/18/2002	--		39.14	8.03	--	31.11	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--	a	39.14	9.60	0.45	29.09	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	--	a	39.14	11.44	0.03	27.72	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	P		39.14	7.91	--	31.23	31,000	3,900	1,100	780	3,600	<50	--	SEQM	6.6	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-5 Cont.																		
09/17/2004	--	a	39.14	12.13	0.15	27.13	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	--	a	39.14	8.62	0.02	27.13	--	--	--	--	--	--	--	--	--	--	--	--
09/06/2005	--	a	41.98	11.16	0.18	30.96	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	a, q	41.98	8.60	SHEEN	33.38	32,000	7,500	810	1,200	2,300	<50	--	SEQM	6.4	--	--	--
9/5/2006	--	a	41.98	6.16	0.03	35.82	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P	q	41.98	8.34	SHEEN	33.64	90,000	10,000	4,200	1,900	7,900	<50	1.30	TAMC	6.91	--	--	--
9/7/2007	--	a	41.98	15.15	0.15	26.94	--	--	--	--	--	--	--	--	--	--	--	--
1/14/2008	--	a	41.98	10.30	0.49	32.05	--	--	--	--	--	--	--	--	--	--	--	--
2/27/2008	--	a	41.98	13.22	0.12	28.85	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	--	a	41.98	12.90	0.14	29.19	--	--	--	--	--	--	--	--	--	--	--	--
9/3/2008	--	a	41.98	12.90	0.99	29.82	--	--	--	--	--	--	--	--	--	--	--	--
3/4/2009	--	a	41.98	8.45	0.16	33.65	--	--	--	--	--	--	--	--	--	--	--	--
4/8/2009	--	x	39.14	9.05	0.67	30.59	--	--	--	--	--	--	--	--	--	--	--	--
5/11/2009	--		39.14	9.10	0.32	30.28	--	--	--	--	--	--	--	--	--	--	--	--
6/16/2009	--		39.14	9.15	0.02	30.01	--	--	--	--	--	--	--	--	--	--	--	--
7/22/2009	--		39.14	9.33	0.12	29.90	--	--	--	--	--	--	--	--	--	--	--	--
8/6/2009	--		39.14	10.05	0.01	29.10	--	--	--	--	--	--	--	--	--	--	--	--
9/30/2009	--		39.14	10.55	0.06	28.64	--	--	--	--	--	--	--	--	--	--	--	--
10/28/2009	--		39.14	10.48	--	28.66	--	--	--	--	--	--	--	--	--	--	--	--
3/23/2010	**P**		**39.14**	**7.10**	**--**	**32.04**	**71,000**	**1,400**	**380**	**620**	**1,800**	**<5.0**	**--**	**TAMC**	**6.50**	**--**	**--**	**--**
MW-6																		
10/3/1991	--		41.59	20.73	--	20.86	<50	0.7	0.8	<0.3	1.3	--	--	SUP	--	--	--	--
10/15/1991	--		41.59	21.20	--	20.39	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		41.59	21.26	--	20.33	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.59	21.12	--	20.47	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.59	20.29	--	21.30	<50	<0.5	<0.5	<0.5	1.6	--	--	ANA	--	--	--	--
1/22/1992	--		41.59	20.12	--	21.47	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.59	20.20	--	21.39	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.59	20.09	--	21.50	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.59	19.15	--	22.44	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-6 Cont.																		
2/17/1992	--		41.59	18.02	--	23.57	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.59	16.62	--	24.97	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.59	17.06	--	24.53	<50	0.6	<0.5	0.8	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		41.59	17.23	--	24.36	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.59	18.12	--	23.47	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.59	18.52	--	23.07	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.59	19.71	--	21.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--	h	41.59	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.59	21.22	--	20.37	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.59	21.33	--	20.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	41.59	16.45	--	25.14	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	j, n	41.59	18.68	--	22.91	<50	<0.5	<0.5	<0.5	<0.5	28.96	--	PACE	--	--	29	--
9/21/1993	--	n	41.59	19.64	--	21.95	<50	<0.5	<0.5	<0.5	1.6	--	--	PACE	--	--	--	--
12/17/1993	--		41.59	21.08	--	20.51	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.59	--	--	--	<50	<0.5	0.5	<0.5	0.6	13.95	--	PACE	--	--	--	--
4/7/1994	--	n	41.59	21.27	--	20.32	<50	<0.5	<0.5	<0.5	<0.5	35.1	6.1	PACE	--	--	--	--
7/6/1994	--	h	41.59	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/6/1994	--	n	41.59	19.81	--	21.78	<50	<0.5	<0.5	<0.5	<0.5	--	4.0	PACE	--	--	--	--
10/7/1994	--	j, n	41.59	21.25	--	20.34	<50	<0.5	<0.5	<0.5	<0.5	24.3	3.5	PACE	--	--	24	--
1/27/1995	--		41.59	12.39	--	29.20	<50	<0.5	<0.5	<0.5	<1	--	4.2	ATI	--	--	--	--
3/30/1995	--		41.59	11.34	--	30.25	<50	<0.50	<0.50	<0.50	<1.0	--	6.1	ATI	--	--	--	--
6/20/1995	--		41.59	15.12	--	26.47	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--		41.59	20.68	--	20.91	<50	<0.50	<0.50	<0.50	<1.0	66	6.4	ATI	--	--	--	--
12/6/1995	--		41.59	23.77	--	17.82	<50	<0.50	<0.50	<0.50	<1.0	45	5.7	ATI	--	--	--	--
3/21/1996	--		41.59	11.55	--	30.04	<50	<0.5	<1	<1	<1	41	9.1	SPL	--	--	--	--
6/21/1996	--		41.59	12.60	--	28.99	<50	<0.5	<1	<1	<1	<10	8.6	SPL	--	--	--	--
9/6/1996	--		41.59	13.25	--	28.34	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--	k	41.59	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	22/22	7.9	SPL	--	--	--	--
12/19/1996	--		41.59	11.45	--	30.14	<50	<0.5	<1.0	<1.0	<1.0	<10	7.7	SPL	--	--	--	--
3/17/1997	--		41.59	10.80	--	30.79	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.59	13.11	--	28.48	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-6 Cont.																		
12/10/1997	--		41.59	13.84	--	27.75	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.59	11.17	--	30.42	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.59	13.27	--	28.32	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.59	12.91	--	28.68	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.59	15.93	--	25.66	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.59	11.49	--	30.10	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.59	10.81	--	30.78	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.59	14.28	--	27.31	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.59	13.10	--	28.49	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.59	13.63	--	27.96	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		41.59	14.26	--	27.33	<50	<0.50	<0.50	<0.50	<0.50	12	--	SEQM	6.4	--	--	--
03/09/2004	NP		41.59	11.87	--	29.72	<50	<0.50	<0.50	<0.50	<0.50	10	--	SEQM	7.1	--	--	--
09/17/2004	--		41.59	16.45	--	25.14	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		41.59	13.65	--	27.94	<50	<0.50	<0.50	<0.50	<0.50	5.8	--	SEQM	6.7	--	--	--
09/06/2005	--		44.37	14.23	--	30.14	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	44.37	12.89	--	31.48	<50	<0.50	<0.50	<0.50	<0.50	8.1	--	SEQM	6.8	--	--	--
9/5/2006	--		44.37	14.10	--	30.27	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		44.37	11.43	--	32.94	<50	<0.50	<0.50	<0.50	<0.50	5.6	2.57	TAMC	7.70	--	--	--
9/7/2007	--		44.37	16.00	--	28.37	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		44.37	11.84	--	32.53	<50	<0.50	<0.50	<0.50	<0.50	1.9	2.34	CEL	6.81	--	--	--
9/3/2008	--		44.37	16.24	--	28.13	--	--	--	--	--	--	--	--	--	--	--	--
3/4/2009	P		44.37	11.68	--	32.69	<50	<0.50	<0.50	<0.50	<0.50	2.8	4.66	CEL	6.82	--	--	--
9/30/2009	P	x	41.58	16.83	--	24.75	<50	<0.50	<0.50	<0.50	<0.50	4.4	0.10	CEL	7.00	--	--	--
10/28/2009	--		41.58	15.63	--	25.95	--	--	--	--	--	--	--	--	--	--	--	--
3/23/2010	**P**		**41.58**	**11.48**	**--**	**30.10**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.0**	**--**	**TAMC**	**6.57**	**--**	**--**	**--**
MW-7																		
10/3/1991	--		40.64	14.93	--	25.71	360	62	13	3.4	20	--	--	SUP	--	--	--	--
10/15/1991	--		40.64	15.16	--	25.48	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.64	15.41	--	25.23	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		40.64	15.21	--	25.43	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-7 Cont.																		
1/6/1992	--		40.64	14.56	--	26.08	1,100	170	<0.5	24	23	--	--	ANA	--	--	--	--
1/22/1992	--		40.64	14.63	--	26.01	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.64	14.73	--	25.91	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.64	14.58	--	26.06	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.64	13.94	--	26.70	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		40.64	13.10	--	27.54	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.64	12.66	--	27.98	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		40.64	12.77	--	27.87	750	150	<0.5	23	9.9	--	--	ANA	--	--	--	--
4/14/1992	--		40.64	13.02	--	27.62	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.64	13.59	--	27.05	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.64	13.95	--	26.69	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.64	14.73	--	25.91	660	210	<2.5	33	8	--	--	ANA	--	--	--	--
10/8/1992	--		40.64	15.75	--	24.89	320	49	1.4	13	6.2	--	--	ANA	--	--	--	--
12/31/1992	--		40.64	13.57	--	27.07	900	100	<2.5	28	4.3	--	--	ANA	--	--	--	--
4/21/1993	--	n	40.64	14.56	--	26.08	510	83	1.2	10	5.8	--	--	PACE	--	--	--	--
7/7/1993	--	i, n	40.32	13.40	--	26.92	1,100	160	2	27	4	10.84	--	PACE	--	--	--	--
7/7/1993	--	h, n	40.32	--	--	--	1,100	170	1.9	29	2.84	9.84	--	PACE	--	--	--	--
9/21/1993	--	n	40.32	14.40	--	25.92	690	150	3.1	26	5.7	--	--	PACE	--	--	--	--
9/21/1993	--	h, n	40.32	--	--	--	640	140	1.7	23	2.4	--	--	PACE	--	--	--	--
12/17/1993	--		40.32	13.65	--	26.67	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	40.32	--	--	--	250	64	1.2	9	1.8	7.81	--	PACE	--	--	--	--
4/7/1994	--	n	40.32	30.62	--	9.70	140	32	1.4	<0.5	<0.5	6.32	--	PACE	--	--	--	--
7/6/1994	--	n	40.32	16.88	--	23.44	410	94	1.3	10	3.5	<5.0	4.4	PACE	--	--	--	--
10/7/1994	--	n	40.32	25.59	--	14.73	<50	9.2	<0.5	<0.5	<0.5	<5.0	4.9	PACE	--	--	--	--
1/27/1995	--		40.32	9.82	--	30.50	810	570	3	60	17	--	0.0	ATI	--	--	--	--
1/27/1995	--	h	40.32	--	--	--	930	620	4	77	21	--	--	ATI	--	--	--	--
3/30/1995	--		40.32	9.15	--	31.17	180	65	0.53	2	<1.0	--	7.8	ATI	--	--	--	--
6/20/1995	--		40.32	11.38	--	28.94	2,800	980	<5.0	<5.0	43	--	--	ATI	--	--	--	--
10/3/1995	--		40.32	29.95	--	10.37	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
12/6/1995	--		40.32	29.85	--	10.47	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
3/21/1996	--		40.32	9.76	--	30.56	1,000	390	2	40	13	<10	7.4	SPL	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-7 Cont.																		
6/21/1996	--		40.32	11.01	--	29.31	<250	40	<5	<5	<5	<50	7.4	SPL	--	--	--	--
9/6/1996	--		40.32	11.68	--	28.64	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		40.32	--	--	--	<250	13	<5.0	<5.0	<5.0	<50	7.2	SPL	--	--	--	--
12/19/1996	--		40.32	10.78	--	29.54	70	1.2	<1.0	1	<1.0	<10	8.3	SPL	--	--	--	--
3/17/1997	--		40.32	9.96	--	30.36	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		40.32	11.44	--	28.88	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		40.32	10.42	--	29.90	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		40.32	9.51	--	30.81	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		40.32	9.98	--	30.34	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		40.32	10.38	--	29.94	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		40.32	12.38	--	27.94	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		40.32	8.48	--	31.84	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		40.32	8.37	--	31.95	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--	f	40.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		40.32	9.94	--	30.38	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.32	11.26	--	29.06	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		40.32	12.76	--	27.56	270	26	<0.50	<0.50	<0.50	8.7	--	SEQM	6.1	--	--	--
03/09/2004	P		40.32	10.91	--	29.41	320	49	0.73	1.8	0.59	6.9	--	SEQM	6.2	--	--	--
09/17/2004	P		40.32	13.20	--	27.12	330	17	<0.50	<0.50	<0.50	7.0	--	SEQM	6.6	--	--	--
03/07/2005	P		40.32	8.18	--	32.14	340	41	0.79	0.79	0.73	7.2	--	SEQM	6.9	--	--	--
09/06/2005	P		43.10	11.80	--	31.30	1,100	130	1.2	1.8	<1.5	16	--	SEQM	6.7	--	--	--
03/06/2006	P		43.10	8.39	--	34.71	440	31	0.78	0.74	0.81	8.3	--	SEQM	7.1	--	--	--
9/5/2006	--		43.10	11.45	--	31.65	2,000	260	3.1	5.9	<2.5	12	--	TAMC	6.6	--	--	--
3/5/2007	P		43.10	9.31	--	33.79	2,200	110	2.2	4.0	1.8	7.6	1.06	TAMC	7.26	--	--	--
9/7/2007	P		43.10	12.18	--	30.92	220	8.4	<0.50	<0.50	<0.50	1.2	0.98	TAMC	6.89	--	--	--
3/6/2008	P		43.10	10.05	--	33.05	1,800	54	1.2	1.1	<1.0	<1.0	--	CEL	7.02	--	--	--
9/3/2008	P		43.10	13.17	--	29.93	540	13	0.69	<0.50	<0.50	5.5	4.77	CEL	6.88	--	--	--
3/4/2009	P		43.10	8.25	--	34.85	720	15	0.59	0.53	<0.50	3.4	1.29	CEL	6.93	--	--	--
9/30/2009	P	x	40.40	12.70	--	27.70	1,200	44	1.0	0.74	0.79	3.3	0.11	CEL	6.94	--	--	--
10/28/2009	--		40.40	11.17	--	29.23	--	--	--	--	--	--	--	--	--	--	--	--
3/23/2010	**P**		**40.40**	**9.28**	**--**	**31.12**	**480**	**11**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**0.38**	**TAMC**	**6.57**	**--**	**--**	**--**

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-7																		
MW-8																		
10/3/1991	--		38.18	22.37	--	15.81	<50	<0.3	0.6	<0.3	0.9	--	--	SUP	--	--	--	--
10/15/1991	--		38.18	22.70	--	15.48	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		38.18	22.44	--	15.74	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		38.18	22.47	--	15.71	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		38.18	21.94	--	16.24	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
1/22/1992	--		38.18	21.44	--	16.74	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		38.18	21.20	--	16.98	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		38.18	20.88	--	17.30	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		38.18	20.54	--	17.64	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		38.18	19.99	--	18.19	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		38.18	16.75	--	21.43	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		38.18	16.57	--	21.61	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		38.18	18.61	--	19.57	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		38.18	18.41	--	19.77	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		38.18	20.35	--	17.83	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--	f	38.18	21.74	--	16.44	--	--	--	--	--	--	--	--	--	--	--	--
12/31/1992	--		38.18	19.09	--	19.09	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	38.18	18.92	--	19.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	38.18	17.76	--	20.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	--	--	--
9/21/1993	--	n	38.18	19.71	--	18.47	<50	2.9	2.2	2.2	7.1	--	--	PACE	--	--	--	--
12/17/1993	--		38.18	21.33	--	16.85	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	38.18	--	--	--	<50	<0.5	<0.5	<0.5	0.6	<5.0	--	PACE	--	--	--	--
4/7/1994	--	n	38.18	21.51	--	16.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	6.6	PACE	--	--	--	--
7/6/1994	--	n	38.18	17.41	--	20.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.4	PACE	--	--	--	--
10/7/1994	--	n	38.18	19.20	--	18.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.7	PACE	--	--	--	--
1/27/1995	--		38.18	12.25	--	25.93	<50	<0.5	<0.5	<0.5	<1	--	2.9	ATI	--	--	--	--
3/30/1995	--		38.18	10.35	--	27.83	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	--	--	--
6/20/1995	--		38.18	13.37	--	24.81	<50	<0.50	<0.50	<0.50	<1.0	--	6.9	ATI	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-8 Cont.																		
10/3/1995	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/6/1995	--		38.18	18.42	--	19.76	<50	<0.50	<0.50	<0.50	<1.0	47	5.3	ATI	--	--	--	--
3/21/1996	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/21/1996	--		38.18	13.03	--	25.15	<50	<0.5	<1	<1	<1	<10	7.0	SPL	--	--	--	--
9/6/1996	--		38.18	13.70	--	24.48	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		38.18	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.0	SPL	--	--	--	--
12/19/1996	--		38.18	11.93	--	26.25	<50	<0.5	<1.0	<1.0	<1.0	<10	7.6	SPL	--	--	--	--
3/17/1997	--		38.18	11.29	--	26.89	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		38.18	13.73	--	24.45	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		38.18	11.88	--	26.30	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		38.18	11.89	--	26.29	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		38.18	11.33	--	26.85	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		38.18	12.68	--	25.50	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		38.18	14.93	--	23.25	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		38.18	9.14	--	29.04	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		38.18	8.41	--	29.77	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		38.18	11.18	--	27.00	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		38.18	10.72	--	27.46	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		38.18	10.46	--	27.72	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	P		38.18	9.79	--	28.39	<50	<0.50	<0.50	<0.50	<0.50	0.50	--	SEQM	7.2	--	--	--
09/17/2004	--		38.18	15.35	--	22.83	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		38.18	7.94	--	30.24	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.7	--	--	--
09/06/2005	--		40.95	13.06	--	27.89	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	40.95	9.26	--	31.69	<50	<0.50	<0.50	<0.50	<0.50	0.59	--	SEQM	7.2	--	--	--
9/5/2006	--		40.95	12.61	--	28.34	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		40.95	9.12	--	31.83	<50	<0.50	<0.50	<0.50	0.53	<0.50	6.79	TAMC	7.17	--	--	--
9/7/2007	--		40.95	13.56	--	27.39	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		40.95	9.80	--	31.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.14	CEL	6.86	--	--	--
9/3/2008	--		40.95	14.20	--	26.75	--	--	--	--	--	--	--	--	--	--	--	--
3/4/2009	P		40.95	9.51	--	31.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.62	CEL	6.96	--	--	--
9/30/2009	--	x	38.19	14.92	--	23.27	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-8 Cont.																		
10/28/2009	--		38.19	13.56	--	24.63	--	--	--	--	--	--	--	--	--	--	--	--
3/23/2010	--	f	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9																		
10/3/1991	--		41.25	14.12	--	27.13	<50	<0.3	0.4	<0.3	<0.3	--	--	SUP	--	--	--	--
10/15/1991	--		41.25	14.27	--	26.98	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		41.25	13.84	--	27.41	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.25	14.18	--	27.07	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.25	13.42	--	27.83	<50	<0.5	<0.5	<0.5	0.9	--	--	ANA	--	--	--	--
1/22/1992	--		41.25	13.75	--	27.50	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.25	14.76	--	26.49	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.25	13.38	--	27.87	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.25	11.86	--	29.39	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		41.25	10.78	--	30.47	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.25	11.63	--	29.62	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.25	12.25	--	29.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		41.25	12.32	--	28.93	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.25	13.07	--	28.18	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.25	14.43	--	26.82	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.25	13.85	--	27.40	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.25	14.89	--	26.36	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.25	11.90	--	29.35	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	41.25	13.68	--	27.57	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	41.25	13.12	--	28.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	--	--	--
9/21/1993	--	n	41.25	14.00	--	27.25	<50	<0.5	<0.5	<0.5	0.9	--	--	PACE	--	--	--	--
12/17/1993	--		41.25	12.98	--	28.27	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	0.9	<5.0	--	PACE	--	--	--	--
4/7/1994	--	n	41.25	13.24	--	28.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.7	PACE	--	--	--	--
7/6/1994	--	n	41.25	13.77	--	27.48	<50	<0.5	<0.5	<0.5	<0.5	--	3.9	PACE	--	--	--	--
10/7/1994	--	n	41.25	14.60	--	26.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.0	PACE	--	--	--	--
1/27/1995	--		41.25	8.47	--	32.78	<50	<0.5	<0.5	<0.5	<1	--	2.5	ATI	--	--	--	--

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Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-9 Cont.																		
3/30/1995	--		41.25	8.19	--	33.06	<50	<0.50	<0.50	<0.50	<1.0	--	8.4	ATI	--	--	--	--
6/20/1995	--		41.25	11.25	--	30.00	<50	<0.50	<0.50	<0.50	<1.0	--	8.1	ATI	--	--	--	--
10/3/1995	--		41.25	14.68	--	26.57	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.0	ATI	--	--	--	--
12/6/1995	--		41.25	16.07	--	25.18	<50	<0.50	<0.50	<0.50	<1.0	46	5.4	ATI	--	--	--	--
3/21/1996	--		41.25	9.60	--	31.65	<50	<0.5	<1	<1	<1	<10	8.0	SPL	--	--	--	--
6/21/1996	--		41.25	10.86	--	30.39	<50	<0.5	<1	<1	<1	<10	7.8	SPL	--	--	--	--
9/6/1996	--		41.25	11.52	--	29.73	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--	k	41.25	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	20/21	7.3	SPL	--	--	--	--
12/19/1996	--		41.25	10.43	--	30.82	<50	<0.5	<1.0	<1.0	<1.0	<10	7.3	SPL	--	--	--	--
3/17/1997	--		41.25	9.87	--	31.38	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.25	11.44	--	29.81	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		41.25	10.44	--	30.81	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.25	9.50	--	31.75	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.25	10.06	--	31.19	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.25	9.06	--	32.19	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.25	12.00	--	29.25	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.25	10.57	--	30.68	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.25	9.73	--	31.52	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.25	11.89	--	29.36	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.25	9.68	--	31.57	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.25	9.21	--	32.04	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	--		41.25	10.99	--	30.26	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.6	--	--	--
09/17/2004	--		41.25	13.35	--	27.90	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		41.25	8.94	--	32.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	--	--	--
09/06/2005	--		44.06	11.99	--	32.07	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	44.06	8.26	--	35.80	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	--	--	--
9/5/2006	--		44.06	11.63	--	32.43	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		44.06	9.33	--	34.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.22	TAMC	7.03	--	--	--
9/7/2007	--		44.06	12.28	--	31.78	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		44.06	10.11	--	33.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.72	CEL	6.90	--	--	--
9/3/2008	--		44.06	13.49	--	30.57	--	--	--	--	--	--	--	--	--	--	--	--

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Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-9 Cont.																		
3/4/2009	P		44.06	8.15	--	35.91	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.03	CEL	6.84	--	--	--
9/30/2009	--	x	41.25	12.98	--	28.27	--	--	--	--	--	--	--	--	--	--	--	--
10/28/2009	--		41.25	11.98	--	29.27	--	--	--	--	--	--	--	--	--	--	--	--
3/23/2010	**P**		**41.25**	**10.59**	**--**	**30.66**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**0.86**	**TAMC**	**6.54**	**--**	**--**	**--**
MW-10																		
6/16/2009	--	x	39.78	8.60	0.01	31.19	--	--	--	--	--	--	--	--	--	--	--	--
7/22/2009	--		39.78	9.68	0.01	30.11	--	--	--	--	--	--	--	--	--	--	--	--
8/6/2009	--		39.78	9.48	--	30.30	--	--	--	--	--	--	--	--	--	--	--	--
9/30/2009	--		39.78	9.69	0.01	30.10	--	--	--	--	--	--	--	--	--	--	--	--
10/28/2009	P	z	39.78	8.53	--	31.25	62,000	8,300	5,300	3,100	12,000	<50	1.14	CEL	6.9	--	--	--
3/23/2010	**P**		**39.78**	**7.70**	**SHEEN**	**32.08**	**58,000**	**6,500**	**4,800**	**2,300**	**9,700**	**<100**	**0.71**	**TAMC**	**6.69**	**--**	**--**	**--**
MW-11																		
9/30/2009	P	x	40.04	10.55	--	29.49	30,000	850	1,400	1,000	3,700	27	--	CEL	7.09	--	--	--
10/28/2009	P		40.04	8.00	--	32.04	27,000	1,100	2,300	1,500	5,800	<50	0.82	CEL	6.74	--	--	--
3/23/2010	**P**		**40.04**	**7.25**	**--**	**32.79**	**19,000**	**530**	**830**	**790**	**2,200**	**<25**	**0.66**	**TAMC**	**6.64**	**--**	**--**	**--**
MW-12																		
9/30/2009	--	x	40.32	11.02	0.02	29.32	--	--	--	--	--	--	--	--	--	--	--	--
10/28/2009	P	z	40.32	10.40	--	29.92	43,000	5,800	800	2,900	6,800	<50	0.73	CEL	6.7	--	--	--
3/23/2010	**P**		**40.32**	**11.46**	**SHEEN**	**28.86**	**39,000**	**4,800**	**1,000**	**3,100**	**6,400**	**<25**	**1.06**	**TAMC**	**6.60**	**--**	**--**	**--**
QC-2																		
10/8/1992	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	l, n	41.25	--	--	--	--	--	--	--	--	--	--	PACE	--	--	--	--
7/7/1993	--	l, n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	0.6	--	--	PACE	--	--	--	--
9/21/1993	--	l, n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
12/23/1993	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
4/7/1994	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/6/1994	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--

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Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
QC-2 Cont.																		
10/7/1994	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
1/27/1995	--	l	41.25	--	--	--	<50	<0.5	0.5	<0.5	<1	--	--	ATI	--	--	--	--
3/30/1995	--	l	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
6/20/1995	--	l	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--	l	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
12/6/1995	--	l	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
3/21/1996	--	l	41.25	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--
6/21/1996	--	l	41.25	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--

ABBREVIATIONS & SYMBOLS:
--/--- = 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 in ft
mg/L = Milligrams per liter
MTBE = Methyl tert-butyl ether
ND = Not detected
NP = Well not purged prior to sampling
P = Well purged prior to sampling
TOC = Top of casing elevation in ft
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter
ANA = Anametrix, Inc.
PACE = Pace, Inc.
ATI = Analytical Technologies, Inc.
CEI = Ceimic Corporation
SPL = Southern Petroleum Laboratories
SEQ/SEQM= Sequoia Analytical/Sequoia Analytical - Morgan Hill (Laboratories)
SUP = Superior Analytical Laboratory

FOOTNOTES:
(a) Free product in well.
(c) Well destroyed during tank removal in November 1990.
(d) Methylene chloride.
(e) 1,2-Dichloroethane.
(f) Well inaccessible.
(g) Sample collected from MW-2 for TPH-d analysis received in laboratory 7 days after collection; sample exceeded EPA recommended holding time for TPH-d on a water matrix.
(h) Blind duplicate.
(i) TOC lowered.
(j) A copy of the documentation for this data is included in Appendix C of Alisto report 10-014-07-001.
(k) EPA Methods 8020/8260 used.
(l) Travel blank.
(n) A copy of the documentation for this data is included in the Blaine Tech Services, Inc. report 020308-DW-2. The data for samples taken on April 21, 1993, have been destroyed. No chromatograms could be located for the samples taken on: July 7, 1993, for well MW-2 and TB; September 21, 1993, for all wells MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, the DUP and TB; December 23, 1993, for wells MW-2 and MW-3; and July 6, 1994, for wells MW-2, MW-4, MW-6, and MW-9.
(p) Well not sampled due to damage during site construction.
(q) Sheen in well.
(r) Well dry.
(s) The hydrocarbon result for GRO was partly due to individual peaks in the quantification range.
(t) MS and/or MSD were below the acceptance limits for MTBE. Matrix interference was suspected.
(u) Possible high bias for benzene due to CCV falling outside acceptance criteria.
(v) The sample concentration is greater than four times the spike concentration.
(w) Insufficient water to sample.
(x) Well surveyed 4/13/2009.
(y) Quantitation of unknown hydrocarbon(s) in sample based on gasoline.
(z) Free product not observed during initial gauging activities, but was observed following or during purge.

NOTES:
GWE adjusted assuming a specific gravity of 0.75 for free product.
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the

requested fuel range resulting in a higher concentration being reported.

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 September 30, 2009. GRO analysis was changed to EPA method 8260B (C6-C12) for the time period October 1, 2009 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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-2									
12/09/2003	<100	<20	24	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	<100	<20	21	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-3									
12/09/2003	<100	<20	6.4	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	4.2	<0.50	<0.50	<0.50	<0.50	<0.50	
3/4/2009	<300	<10	4.9	<0.50	<0.50	<0.50	<0.50	<0.50	
9/30/2009	<300	<10	6.8	<0.50	<0.50	<0.50	<0.50	<0.50	
3/23/2010	**<100**	**<4.0**	**3.2**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-4									
12/09/2003	<500	<100	130	<2.5	<2.5	2.7	--	--	
03/09/2004	<100	<20	35	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	<500	<100	140	<2.5	<2.5	2.6	<2.5	<2.5	
03/07/2005	<100	<20	42	<0.50	<0.50	0.56	<0.50	<0.50	
09/06/2005	<150	<10	180	<0.50	<0.50	2.8	<0.50	<0.50	a
03/06/2006	<600	<40	110	<1.0	<1.0	1.4	<1.0	<1.0	
9/5/2006	<600	<40	190	<1.0	<1.0	1.7	<1.0	<1.0	
3/5/2007	<300	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	
9/7/2007	<300	<20	130	<0.50	<0.50	1.7	<0.50	<0.50	b (MTBE)
3/6/2008	<300	14	170	<0.50	<0.50	2.1	<0.50	<0.50	
9/3/2008	<3,000	<100	150	<5.0	<5.0	<5.0	<5.0	<5.0	
3/4/2009	<3,000	<100	110	<5.0	<5.0	<5.0	<5.0	<5.0	
9/30/2009	<1,200	<40	140	<2.0	<2.0	<2.0	<2.0	<2.0	
3/23/2010	**<100**	**18**	**84**	**<0.50**	**<0.50**	**0.88**	**<0.50**	**<0.50**	

Table 2. Summary of Fuel Additives Analytical Data

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-5									
03/09/2004	<10,000	<2,000	<50	<50	<50	<50	96	<50	
03/06/2006	<30,000	<2,000	<50	60	<50	<50	<50	<50	
3/5/2007	<30,000	<2,000	<50	57	<50	<50	<50	<50	
3/23/2010	**<1,000**	**<40**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	
MW-6									
12/09/2003	<100	<20	12	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	10	<0.50	<0.50	<0.50	0.58	<0.50	
03/07/2005	<100	<20	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	8.1	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	5.6	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
3/4/2009	<300	<10	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
9/30/2009	<300	<10	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	
3/23/2010	**<100**	**<4.0**	**1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-7									
12/09/2003	<100	<20	8.7	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	6.9	<0.50	<0.50	<0.50	1.2	<0.50	
09/17/2004	<100	<20	7.0	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	7.2	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	30	16	0.60	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	8.3	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2006	<1,500	<100	12	<2.5	<2.5	<2.5	<2.5	<2.5	
3/5/2007	<600	<40	7.6	<1.0	<1.0	<1.0	<1.0	<1.0	
9/7/2007	<300	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<600	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
9/3/2008	<300	17	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	
3/4/2009	<300	12	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	
9/30/2009	<300	<10	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	
3/23/2010	**<100**	**12**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	

Table 2. Summary of Fuel Additives Analytical Data

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-8									
03/09/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/4/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-9									
03/09/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/4/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/23/2010	**<100**	**<4.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-10									
10/28/2009	<10,000	<400	<50	<50	<50	<50	<50	<50	
3/23/2010	**<20,000**	**<800**	**<100**	**<100**	**<100**	**<100**	**<100**	**<100**	
MW-11									
9/30/2009	<6,000	<200	27	<10	<10	<10	<10	<10	
10/28/2009	<10,000	<400	<50	<50	<50	<50	<50	<50	
3/23/2010	**<5,000**	**<200**	**<25**	**<25**	**<25**	**<25**	**<25**	**<25**	
MW-12									
10/28/2009	<10,000	<400	<50	<50	<50	<50	<50	<50	
3/23/2010	**<5,000**	**<200**	**<25**	**<25**	**<25**	**<25**	**<25**	**<25**	

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

FOOTNOTES:
(a) MS and/or MSD below acceptance limits for MTBE. Matrix interference suspected.
(b) The sample concentration is greater than four times the spike concentration.

NOTES:
All fuel oxygenate 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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
3/6/2006	Southwest	0.05
9/5/2006	Southwest	0.05
2/21/2007	Southwest	0.02
9/7/2007	Southwest	0.03
3/6/2008	Southwest	0.01
9/3/2008	Southwest	0.006
3/4/2009	Southwest	0.02
9/30/2009	Northwest	0.07
10/28/2009	Northwest	0.04
3/23/2010	**Northwest**	**0.03**

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.

APPENDIX A

BAI GROUND-WATER SAMPLING DATA
(INCLUDES FIELD DATA SHEETS, NON-HAZARDOUS WASTE DATA FORM, LABORATORY REPORT, CHAIN-OF-CUSTODY DOCUMENTATION, AND FIELD PROCEDURES)

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

FIELD DATA REPORT

DATE: 1/26/10
PERSONNEL: Tracy Geddes
WEATHER: 50's overcast/light rain

PROJECT NO.: 09-88-646 BP11109
COMMENTS:

Equip:	Geosquirt	Tubing	Bailers	DO	wli	Ec/pH

Well ID	Time	~~MEASURING POINT~~ DTSPH	DTW (FT)	PRODUCT THICKNESS	pH	Cond. (X100)	Temp. (C/F)	DO (mg/l)	Redox (mV)	Iron (mg/l)	Alk. (mg/l)	WELL HEAD CONDITION: VAULT, BOLTS, CAP, LOCK, ETC
MW-5	1224	6.41	6.43	.02								1.5 gal bailed DTW post bail 7.76 ft
MW-10	1240	7.85	7.86	.01								0.5 gal bailed, DTW post bail 7.88 ft
MW-11	1255	–	6.98	–								No Product Detected
MW-12	1204	–	8.67	–								No Product Detected
												1 Product Drum onsite 2/3
												full

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

FIELD DATA REPORT

DATE: 2/24/10
PERSONNEL: T. Crabbs
WEATHER: Overcast 50's

PROJECT NO.: 09-88-646
COMMENTS:

Equip:	Geosquirt	Tubing	Bailers	DO	wli	Ec/pH

Well ID	Time	MEASURING POINT	DTW (FT)	PRODUCT THICKNESS	DTSPH	Cond. (X100)	Temp. (C/F)	DO (mg/l)	Redox (mV)	Iron (mg/l)	Alk. (mg/l)	WELL HEAD CONDITION: VAULT, BOLTS, CAP, LOCK, ETC
MW-5	1123	TOC	6.72	.02	6.70							DTW post bail 8.28ft, 2 gal bailed
MW-10	1140	↓	7.28	—								No product
MW-11	1145		7.07	—								No product
MW-12	1055		10.21	—								No product
												1 Product drum 2/3 full

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

FIELD DATA REPORT

DATE: 3/23/10
PERSONNEL: E. Ford
WEATHER:

PROJECT NO.: BP 11109
COMMENTS:

Equip:	Geosquirt	Tubing	Bailers	DO	wli	Ec/pH

Well ID	Time	MEASURING POINT	DTW (FT)	PRODUCT THICKNESS	pH	Cond. (X100)	Temp. (C/F)	DO (mg/l)	Redox (mV)	Iron (mg/l)	Alk. (mg/l)	WELL HEAD CONDITION: VAULT, BOLTS, CAP, LOCK, ETC
MW-2	1100		Dry									
MW-3			8.27									
MW-4	1100		10.82									
MW-5			7.10									
MW-6	1103		11.48									
MW-7	1145		9.28									
MW-8												Trench Pulled over well
MW-9	1100		10.59									
MW-10	1125		7.70									Depths of product
MW-11	1120		7.25									
MW-12	~~1108~~	1115	~~Dry~~	11.46								Minimal Product - droplets

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

Groundwater Sampling Data Sheet

Well I.D.: MW-3
Project Name/Location: BP 11109 Project #: 09.88.615
Sampler's Name: EFarrar Date: 3/23/10
Purging Equipment: Pump
Sampling Equipment: Bailer
Casing Type: PVC

Casing Diameter:	4	inch
Total Well Depth:	31.42	feet
Depth to Water:	- 6.27	feet
Water Column Thickness:	= 23.15	feet
Unit Casing Volume*:	x 0.66	gallon / foot
Casing Water Volume:	= 15.04	gallons
Casing Volume:	x 3	each
Estimated Purge Volume:	= 45.14	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	1352	2.47	-37		774.0	72.4	6.72	
15	1357	x	x	x	770.8	71.4	6.69	
20	1359	x	x	x	828.9	71.7	6.61	
25	1400	x	x	x	861.6	71.7	6.61	
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				

Total Water Volume Purged: 25 gallons
Depth to Water at Sample Collection: 29.13 feet
Sample Collection Time: 1409
Purged Dry? (Y / N)

Comments:

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

Groundwater Sampling Data Sheet

Well I.D.: MW-4

Project Name/Location: BP 11109 — Project #: 09.88.0 6

Sampler's Name: E. Fr[illegible] — Date: 3/23/10

Purging Equipment: Pump

Sampling Equipment: Bailer

Casing Type: PVC

Casing Diameter: 4 inch

Total Well Depth: 26.74 feet

Depth to Water: - 10.82 feet

Water Column Thickness: = 15.92 feet

Unit Casing Volume*: x 0.65 gallon / foot

Casing Water Volume: = 10.34 gallons

Casing Volume: x 3 each

Estimated Purge Volume: = 31.04 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	1330	0.63	-15		714.9	72.3	6.48	
10	1332	X	X	X	715.4	69.4	6.38	
15	1334	X	X	X	713.6	69.5	6.35	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 15 gallons

Depth to Water at Sample Collection: 20.93 feet

Sample Collection Time: 1335

Purged Dry? (Y / N) — N circled

Comments:

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

Groundwater Sampling Data Sheet

Well I.D.: MW-5
Project Name/Location: BP 11109 Project #: 09-58-016
Sampler's Name: E. Ford Date: 3/23/10
Purging Equipment: Pump
Sampling Equipment: Bailer
Casing Type: PVC
Casing Diameter: 4 inch
Total Well Depth: 32.07 feet
Depth to Water: - 7.10 feet
Water Column Thickness: = 24.97 feet
Unit Casing Volume*: x 0.65 gallon / foot
Casing Water Volume: = 16.23 gallons
Casing Volume: x 3 each
Estimated Purge Volume: = 48.69 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	1511		-93		316.0	71.7	6.83	
16	1516	X	X	X	339.7	70.0	6.58	
20	1518	X	X	X	550.3	70.2	6.50	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 20 gallons
Depth to Water at Sample Collection: 18.25 feet
Sample Collection Time: 1520 Purged Dry? (Y / N)

Comments: Dry @ 20

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

Groundwater Sampling Data Sheet

Well I.D.: MW-6
Project Name/Location: BP11109 Project #: 09-88-606
Sampler's Name: G. Fr[illegible] Date: 5/23/10
Purging Equipment: Pump
Sampling Equipment: Bailer
Casing Type: PVC
Casing Diameter: 4 inch
Total Well Depth: 34.49 feet
Depth to Water: - 11.48 feet
Water Column Thickness: = 23.01 feet
Unit Casing Volume*: x 0.65 gallon / foot
Casing Water Volume: = 14.95 gallons
Casing Volume: x 3 each
Estimated Purge Volume: = 44.86 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
2	1307		-51		673.3	71.1	6.75	
15	1311	x	x	x	672.1	68.4	6.66	
20	1313	x	x	x	693.4	68.3	6.57	
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				

Total Water Volume Purged: 20 gallons
Depth to Water at Sample Collection: 25.12 feet
Sample Collection Time: 1315
Purged Dry? (Y / (N))

Comments:

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

Groundwater Sampling Data Sheet

Well I.D.: MW-7
Project Name/Location: BP 11104 Project #: 09.88.646
Sampler's Name: E. Ferrer Date: 3/23/10
Purging Equipment: Pump
Sampling Equipment: Bailer
Casing Type: PVC

Casing Diameter:		6	inch
Total Well Depth:		33.32	feet
Depth to Water:	-	9.28	feet
Water Column Thickness:	=	24.04	feet
Unit Casing Volume*:	x	1.47	gallon / foot
Casing Water Volume:	=	35.33	gallons
Casing Volume:	x	3	each
Estimated Purge Volume:	=	106.01	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	1235	0.78	-48		744.2	68.8	6.47	
35	1247	x	x	x	755.4	68.8	6.58	
45	1252	x	x	x	762.7	69.5	6.57	
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				

Total Water Volume Purged: 45 gallons
Depth to Water at Sample Collection: 26.97 feet
Sample Collection Time: 1252
Purged Dry? (Y / N)

Comments:

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

Groundwater Sampling Data Sheet

Well I.D.: MW-9
Project Name/Location: BP1109 Project #: 09.88-646
Sampler's Name: E. Ferry Date: 3/23/10
Purging Equipment: Bailer
Sampling Equipment: Bailer
Casing Type: PVC

Casing Diameter:		2	inch
Total Well Depth:		29.47	feet
Depth to Water:	-	10.59	feet
Water Column Thickness:	=	18.88	feet
Unit Casing Volume*:	x	0.16	gallon / foot
Casing Water Volume:	=	3.02	gallons
Casing Volume:	x	3	each
Estimated Purge Volume:	=	9.06	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	1605	0.86	-23		751.3	67.9	6.49	
3	1608	x	x	x	760.2	68.2	6.52	
5	1611	x	x	x	765.0	68.3	6.54	
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				

Total Water Volume Purged: 5 gallons
Depth to Water at Sample Collection: 15.38 feet
Sample Collection Time: 1615
Purged Dry? (Y / (N))

Comments:

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

Groundwater Sampling Data Sheet

Well I.D.: MW-10
Project Name/Location: BP 11104 — Project #: 09-88-646
Sampler's Name: E Farrar — Date: 3/23/10
Purging Equipment: Pump
Sampling Equipment: Bailer
Casing Type: PVC

Casing Diameter:		4	inch
Total Well Depth:		30	feet
Depth to Water:	-	7.70	feet
Water Column Thickness:	=	22.3	feet
Unit Casing Volume*:	x	0.65	gallon / foot
Casing Water Volume:	=	14.49	gallons
Casing Volume:	x	3	each
Estimated Purge Volume:	=	43.48	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	1447	0.71	-114		1105	73.2	6.71	
15	1459	x	x	x	1069	70.3	6.70	
20	1459	x	x	x	1074	69.2	6.69	
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				

Total Water Volume Purged: 20 gallons
Depth to Water at Sample Collection: 18.73 feet
Sample Collection Time: 1456
Purged Dry? (Y / N)

Comments:

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

Groundwater Sampling Data Sheet

Well I.D.: MW-11
Project Name/Location: BP 11109
Project #: 09.88.646
Sampler's Name: EFarrow
Date: 3/23/10
Purging Equipment: Pump
Sampling Equipment: Bailer
Casing Type: PVC
Casing Diameter: 4 inch
Total Well Depth: 30 feet
Depth to Water: - 7.25 feet
Water Column Thickness: = 22.75 feet
Unit Casing Volume*: x 0.65 gallon / foot
Casing Water Volume: = 14.78 gallons
Casing Volume: x 3 each
Estimated Purge Volume: = 44.36 gallons
Free product measurement (if present):

***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.

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1423	0.66	-102		1133	72.6	6.61	
15	1428	x	x	x	1153	69.7	6.65	
20	1430	x	x	x	1168	69.6	6.64	
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				

Total Water Volume Purged: 20 gallons
Depth to Water at Sample Collection: 17.73 feet
Sample Collection Time: 1432
Purged Dry? (Y / N)

Comments:

11

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

Groundwater Sampling Data Sheet

Well I.D.: MW-12
Project Name/Location: BP 11109 — Project #: 09-89-646
Sampler's Name: C. Farr — Date: 3/23/10
Purging Equipment: Pump
Sampling Equipment: Bailer
Casing Type: PVC

Casing Diameter:		4	inch
Total Well Depth:		30	feet
Depth to Water:	-	11.46	feet
Water Column Thickness:	=	18.54	feet
Unit Casing Volume*:	x	0.65	gallon / foot
Casing Water Volume:	=	12.05	gallons
Casing Volume:	x	3	each
Estimated Purge Volume:	=	36.15	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	1534	1.06	-84		1156	71.9	6.58	
12	1542	x	x	x	1150	70.0	6.59	
16	1544	x	x	x	1145	69.5	6.60	
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				
		x	x	x				

Total Water Volume Purged: 16 gallons
Depth to Water at Sample Collection: 13.65 feet
Sample Collection Time: 1557
Purged Dry? (Y / (N))

Comments:

NO. 683406

NON-HAZARDOUS WASTE DATA FORM

BEST #

GENERATOR

Generator's Name and Mailing Address

BP WEST COAST PRODUCTS, LLC
P.O. BOX 80249
RANCHO SANTA MARGARITA, CA 92688

Generator's Site Address (if different than mailing address)

FORMER ARCO 11108
4280 FOOTHILL BLVD
OAKLAND, CA 94601

Generator's Phone: 949-460-5200

24-HOUR EMERGENCY PHONE: 800-424-9300

Container type removed from site:

☐ Drums ☒ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck ☐ Other

Quantity 2016

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck ☐ Other

Quantity _____ Volume _____

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%
2. TPH		<1%
3.		
4.		

Waste Profile _____ PROPERTIES: pH 7-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

Generator Printed/Typed Name Emily Cramer On Behalf of BP West Coast Products, LLC Signature _____ Month 3 Day 1 Year 10

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name BAI Phone# 707-455-7290

Transporter 1 Printed/Typed Name Eric Favia Signature _____ Month 3 Day 23 Year 10

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name _____ Phone# _____

Transporter 2 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

INSTRAT, INC.
1105 AIRPORT RD.
RIO VISTA, CA 94571

Phone# 530-753-1829

Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-26852-1

Job Description: BP #11109, Oakland

For:
ARCADIS U.S., Inc.
155 Montgomery Street
Suite 1500
San Francisco, CA 94104

Attention: Hollis Phillips

Approved for release.
Dimple Sharma
Project Manager I
4/23/2010 5:34 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
04/23/2010
Revision: 1

cc: Mr. Jason Duda
Mr. Ben McKenna

CA ELAP Certification # 2496
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TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-26852-1	**MW-3(3/23/10)**				
MTBE		3.2	0.50	ug/L	8260B/CA_LUFTMS
720-26852-2	**MW-4(3/23/10)**				
MTBE		84	0.50	ug/L	8260B/CA_LUFTMS
TBA		18	4.0	ug/L	8260B/CA_LUFTMS
TAME		0.88	0.50	ug/L	8260B/CA_LUFTMS
720-26852-3	**MW-5(3/23/10)**				
Benzene		1400	5.0	ug/L	8260B/CA_LUFTMS
Ethylbenzene		620	5.0	ug/L	8260B/CA_LUFTMS
Toluene		380	5.0	ug/L	8260B/CA_LUFTMS
Xylenes, Total		1800	10	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		71000	2500	ug/L	8260B/CA_LUFTMS
720-26852-4	**MW-6(3/23/10)**				
MTBE		1.0	0.50	ug/L	8260B/CA_LUFTMS
720-26852-5	**MW-7(3/23/10)**				
Benzene		11	0.50	ug/L	8260B/CA_LUFTMS
TBA		12	4.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		480	50	ug/L	8260B/CA_LUFTMS
720-26852-7	**MW-10(3/23/10)**				
Benzene		6500	100	ug/L	8260B/CA_LUFTMS
Ethylbenzene		2300	100	ug/L	8260B/CA_LUFTMS
Toluene		4800	100	ug/L	8260B/CA_LUFTMS
Xylenes, Total		9700	200	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		58000	10000	ug/L	8260B/CA_LUFTMS
720-26852-8	**MW-11(3/23/10)**				
Benzene		530	25	ug/L	8260B/CA_LUFTMS
Ethylbenzene		790	25	ug/L	8260B/CA_LUFTMS
Toluene		830	25	ug/L	8260B/CA_LUFTMS
Xylenes, Total		2200	50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		19000	2500	ug/L	8260B/CA_LUFTMS

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-26852-9	**MW-12(3/23/10)**				
Benzene		4800	50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		3100	50	ug/L	8260B/CA_LUFTMS
Toluene		1000	25	ug/L	8260B/CA_LUFTMS
Xylenes, Total		6400	100	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		39000	2500	ug/L	8260B/CA_LUFTMS

METHOD SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-26852-1	MW-3(3/23/10)	Water	03/23/2010 1409	03/24/2010 1630
720-26852-2	MW-4(3/23/10)	Water	03/23/2010 1335	03/24/2010 1630
720-26852-3	MW-5(3/23/10)	Water	03/23/2010 1520	03/24/2010 1630
720-26852-4	MW-6(3/23/10)	Water	03/23/2010 1315	03/24/2010 1630
720-26852-5	MW-7(3/23/10)	Water	03/23/2010 1252	03/24/2010 1630
720-26852-6	MW-9(3/23/10)	Water	03/23/2010 1615	03/24/2010 1630
720-26852-7	MW-10(3/23/10)	Water	03/23/2010 1456	03/24/2010 1630
720-26852-8	MW-11(3/23/10)	Water	03/23/2010 1432	03/24/2010 1630
720-26852-9	MW-12(3/23/10)	Water	03/23/2010 1537	03/24/2010 1630

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-3(3/23/10)**

Lab Sample ID: 720-26852-1 Date Sampled: 03/23/2010 1409
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68294	Instrument ID:	CHMSV2
Preparation:	5030B		Lab File ID:	03251015.D
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1701		Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1701			

Analyte	Result (ug/L)	Qualifier	RL
MTBE	3.2		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	92		67 - 130
Toluene-d8 (Surr)	100		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-4(3/23/10)**

Lab Sample ID: 720-26852-2 Date Sampled: 03/23/2010 1335
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68294		Instrument ID:	CHMSV2
Preparation:	5030B			Lab File ID:	03251016.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1734			Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1734				

Analyte	Result (ug/L)	Qualifier	RL
MTBE	84		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	18		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	0.88		0.50
Ethyl t-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-5(3/23/10)**

Lab Sample ID: 720-26852-3 Date Sampled: 03/23/2010 1520
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68294		Instrument ID:	CHMSV2
Preparation:	5030B			Lab File ID:	03251017.D
Dilution:	10			Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1806			Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1806				

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		5.0
Benzene	1400		5.0
EDB	ND		5.0
1,2-DCA	ND		5.0
Ethylbenzene	620		5.0
Toluene	380		5.0
Xylenes, Total	1800		10
TBA	ND		40
Ethanol	ND		1000
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	114		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-5(3/23/10)**

Lab Sample ID: 720-26852-3 Date Sampled: 03/23/2010 1520
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68372		Instrument ID:	HP12
Preparation:	5030B			Lab File ID:	03261015.D
Dilution:	50			Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1631			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1631				

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C6-C12	71000		2500

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	110		67 - 130
1,2-Dichloroethane-d4 (Surr)	107		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-6(3/23/10)**

Lab Sample ID: 720-26852-4 Date Sampled: 03/23/2010 1315
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68372		Instrument ID:	HP12
Preparation:	5030B			Lab File ID:	03261014.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1600			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1600				

Analyte	Result (ug/L)	Qualifier	RL
MTBE	1.0		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-7(3/23/10)**

Lab Sample ID: 720-26852-5 Date Sampled: 03/23/2010 1252
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68294		Instrument ID:	CHMSV2
Preparation:	5030B			Lab File ID:	03251019.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1911			Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1911				

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
Benzene	11		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	12		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	480		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		67 - 130
1,2-Dichloroethane-d4 (Surr)	92		67 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-9(3/23/10)**

Lab Sample ID: 720-26852-6 Date Sampled: 03/23/2010 1615
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68294	Instrument ID:	CHMSV2
Preparation:	5030B		Lab File ID:	03251020.D
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1943		Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1943			

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	90		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-10(3/23/10)**

Lab Sample ID: 720-26852-7 Date Sampled: 03/23/2010 1456
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68372		Instrument ID:	HP12
Preparation:	5030B			Lab File ID:	03261016.D
Dilution:	200			Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1702			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1702				

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		100
Benzene	6500		100
EDB	ND		100
1,2-DCA	ND		100
Ethylbenzene	2300		100
Toluene	4800		100
Xylenes, Total	9700		200
TBA	ND		800
Ethanol	ND		20000
DIPE	ND		100
TAME	ND		100
Ethyl t-butyl ether	ND		100
Gasoline Range Organics (GRO)-C6-C12	58000		10000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-11(3/23/10)**

Lab Sample ID: 720-26852-8 Date Sampled: 03/23/2010 1432
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68372		Instrument ID:	HP12
Preparation:	5030B			Lab File ID:	03261017.D
Dilution:	50			Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1733			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1733				

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		25
Benzene	530		25
EDB	ND		25
1,2-DCA	ND		25
Ethylbenzene	790		25
Toluene	830		25
Xylenes, Total	2200		50
TBA	ND		200
Ethanol	ND		5000
DIPE	ND		25
TAME	ND		25
Ethyl t-butyl ether	ND		25
Gasoline Range Organics (GRO)-C6-C12	19000		2500

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	105		67 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-12(3/23/10)**

Lab Sample ID: 720-26852-9 Date Sampled: 03/23/2010 1537
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68372	Instrument ID:	HP12
Preparation:	5030B		Lab File ID:	03261018.D
Dilution:	50		Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1804		Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1804			

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		25
EDB	ND		25
1,2-DCA	ND		25
Toluene	1000		25
TBA	ND		200
Ethanol	ND		5000
DIPE	ND		25
TAME	ND		25
Ethyl t-butyl ether	ND		25
Gasoline Range Organics (GRO)-C6-C12	39000		2500

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	105		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Client Sample ID: **MW-12(3/23/10)**

Lab Sample ID: 720-26852-9 Date Sampled: 03/23/2010 1537
Client Matrix: Water Date Received: 03/24/2010 1630

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-68559		Instrument ID:	CHMSV2
Preparation:	5030B			Lab File ID:	03301012.D
Dilution:	100			Initial Weight/Volume:	10 mL
Date Analyzed:	03/30/2010 1520			Final Weight/Volume:	10 mL
Date Prepared:	03/30/2010 1520				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	4800		50
Ethylbenzene	3100		50
Xylenes, Total	6400		100

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	93		67 - 130
Toluene-d8 (Surr)	101		70 - 130

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	RPD of the MS and MSD exceeds the control limits

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-68294					
LCS 720-68294/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-68294/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-68294/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-68294/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-68294/4	Method Blank	T	Water	8260B/CA_LUFT	
720-26852-1	MW-3(3/23/10)	T	Water	8260B/CA_LUFT	
720-26852-2	MW-4(3/23/10)	T	Water	8260B/CA_LUFT	
720-26852-3	MW-5(3/23/10)	T	Water	8260B/CA_LUFT	
720-26852-5	MW-7(3/23/10)	T	Water	8260B/CA_LUFT	
720-26852-6	MW-9(3/23/10)	T	Water	8260B/CA_LUFT	
Analysis Batch:720-68372					
LCS 720-68372/4	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-68372/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-68372/5	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-68372/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-68372/3	Method Blank	T	Water	8260B/CA_LUFT	
720-26852-3	MW-5(3/23/10)	T	Water	8260B/CA_LUFT	
720-26852-4	MW-6(3/23/10)	T	Water	8260B/CA_LUFT	
720-26852-4MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-26852-4MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-26852-7	MW-10(3/23/10)	T	Water	8260B/CA_LUFT	
720-26852-8	MW-11(3/23/10)	T	Water	8260B/CA_LUFT	
720-26852-9	MW-12(3/23/10)	T	Water	8260B/CA_LUFT	
Analysis Batch:720-68559					
LCS 720-68559/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-68559/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-68559/4	Method Blank	T	Water	8260B/CA_LUFT	
720-26852-9	MW-12(3/23/10)	T	Water	8260B/CA_LUFT	

Report Basis

T = Total

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Method Blank - Batch: 720-68294

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-68294/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/25/2010 1013
Date Prepared: 03/25/2010 1013

Analysis Batch: 720-68294
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 03251004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	95	67 - 130
Toluene-d8 (Surr)	100	70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-68294

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-68294/5	Analysis Batch:	720-68294	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03251005.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1056			Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1056				

LCSD Lab Sample ID:	LCSD 720-68294/6	Analysis Batch:	720-68294	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03251006.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1129			Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1129				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
MTBE	110	100	73 - 123	10	20		
Benzene	99	99	82 - 127	0	20		
EDB	113	102	70 - 130	10	20		
1,2-DCA	94	89	75 - 145	6	20		
Ethylbenzene	100	102	86 - 135	2	20		
Toluene	93	95	83 - 129	2	20		
TBA	86	88	85 - 110	2	20		
Ethanol	84	96	31 - 216	14	20		
DIPE	100	97	74 - 155	3	20		
TAME	118	109	79 - 129	8	20		
Ethyl t-butyl ether	103	97	70 - 130	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	103	102	67 - 130
1,2-Dichloroethane-d4 (Surr)	93	87	67 - 130
Toluene-d8 (Surr)	100	100	70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-68294

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-68294/7	Analysis Batch:	720-68294	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03251007.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1201			Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1201				

LCSD Lab Sample ID:	LCSD 720-68294/8	Analysis Batch:	720-68294	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03251008.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/25/2010 1234			Final Weight/Volume:	10 mL
Date Prepared:	03/25/2010 1234				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C6-C12	82	82	70 - 130	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	104	67 - 130
1,2-Dichloroethane-d4 (Surr)	88	92	67 - 130
Toluene-d8 (Surr)	100	101	70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Method Blank - Batch: 720-68372

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-68372/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/26/2010 1002
Date Prepared: 03/26/2010 1002

Analysis Batch: 720-68372
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 03261004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	107	67 - 130
Toluene-d8 (Surr)	95	70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-68372

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-68372/4	Analysis Batch:	720-68372	Instrument ID:	HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03261005.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1050			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1050				

LCSD Lab Sample ID:	LCSD 720-68372/5	Analysis Batch:	720-68372	Instrument ID:	HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03261006.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1120			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1120				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
MTBE	100	94	73 - 123	7	20		
Benzene	89	86	82 - 127	4	20		
EDB	104	99	70 - 130	5	20		
1,2-DCA	98	94	75 - 145	4	20		
Ethylbenzene	97	93	86 - 135	4	20		
Toluene	100	98	83 - 129	2	20		
TBA	97	93	85 - 110	5	20		
Ethanol	110	108	31 - 216	2	20		
DIPE	92	87	74 - 155	5	20		
TAME	108	102	79 - 129	6	20		
Ethyl t-butyl ether	93	88	70 - 130	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	97	99	67 - 130
Toluene-d8 (Surr)	98	98	70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-68372

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-68372/7	Analysis Batch:	720-68372	Instrument ID:	HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03261007.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1151			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1151				

LCSD Lab Sample ID:	LCSD 720-68372/8	Analysis Batch:	720-68372	Instrument ID:	HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03261008.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1222			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1222				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C6-C12	87	84	70 - 130	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	100	67 - 130
1,2-Dichloroethane-d4 (Surr)	102	102	67 - 130
Toluene-d8 (Surr)	98	98	70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-68372

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID:	720-26852-4	Analysis Batch:	720-68372	Instrument ID:	HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03261012.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1459			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1459				

MSD Lab Sample ID:	720-26852-4	Analysis Batch:	720-68372	Instrument ID:	HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03261013.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	03/26/2010 1530			Final Weight/Volume:	10 mL
Date Prepared:	03/26/2010 1530				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
MTBE	85	106	60 - 138	22	20		F
Benzene	77	90	60 - 140	15	20		
EDB	88	107	60 - 140	20	20		
1,2-DCA	84	100	60 - 140	18	20		
Ethylbenzene	83	94	60 - 140	13	20		
Toluene	88	100	60 - 140	13	20		
TBA	79	94	60 - 140	17	20		
Ethanol	95	108	60 - 140	12	20		
DIPE	81	96	60 - 140	17	20		
TAME	93	114	60 - 140	21	20		F
Ethyl t-butyl ether	81	99	60 - 140	20	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	102	67 - 130
1,2-Dichloroethane-d4 (Surr)	99	99	67 - 130
Toluene-d8 (Surr)	99	98	70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Method Blank - Batch: 720-68559

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-68559/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/30/2010 1028
Date Prepared: 03/30/2010 1028

Analysis Batch: 720-68559
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 03301004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	67 - 130
1,2-Dichloroethane-d4 (Surr)	90	67 - 130
Toluene-d8 (Surr)	100	70 - 130

Client: ARCADIS U.S., Inc. Job Number: 720-26852-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-68559

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-68559/5	Analysis Batch:	720-68559	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03301005.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/30/2010 1118			Final Weight/Volume:	10 mL
Date Prepared:	03/30/2010 1118				

LCSD Lab Sample ID:	LCSD 720-68559/6	Analysis Batch:	720-68559	Instrument ID:	CHMSV2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	03301006.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	03/30/2010 1151			Final Weight/Volume:	10 mL
Date Prepared:	03/30/2010 1151				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
MTBE	106	102	73 - 123	4	20		
Benzene	99	101	82 - 127	2	20		
EDB	110	106	70 - 130	4	20		
1,2-DCA	92	90	75 - 145	2	20		
Ethylbenzene	101	103	86 - 135	2	20		
Toluene	95	98	83 - 129	2	20		
TBA	86	87	85 - 110	2	20		
Ethanol	89	87	31 - 216	2	20		
DIPE	96	95	74 - 155	1	20		
TAME	113	110	79 - 129	3	20		
Ethyl t-butyl ether	98	97	70 - 130	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	102	67 - 130
1,2-Dichloroethane-d4 (Surr)	90	87	67 - 130
Toluene-d8 (Surr)	102	101	70 - 130

720-26852

123240

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Jason Duda	Site Contact:	Date:	COC No:
Broadbent & Associates	Tel/Fax: (530) 566-1400/ (530) 566-1401	Lab Contact: Dimple Sharma	Carrier:	____ of ____ COCs
1324 Mangrove Ave Suite 212	Analysis Turnaround Time			Job No.
Chico, CA 95926	Calendar (C) or Work Days (W) STD			
(530) 566-1400	TAT if different from Below ____			SDG No.
(530) 566-1401	☐ 2 weeks			
Project Name: BP 11109	☐ 1 week			
Site: 4280 Foothill Blvd, Oakland, CA	☐ 2 days			
P O # GP09BPNA.C106	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	GRO by 8260B	BTEX and 5 Oxys by 8260B	1,2 DCA, EDB and Ethanol by 8260B	Sample Specific Notes:
1	MW-2 (3/23/10)	3/23/10						X	X	X	Not Collected
2	MW-3 (3/23/10)	3/23/10	1409					X	X	X	
3	MW-4 (3/23/10)		1335					X	X	X	
4	MW-5 (3/23/10)		1520					X	X	X	
5	MW-6 (3/23/10)		1315					X	X	X	
	MW-7 (3/23/10)		1252					X	X	X	
	~~MW-8~~							X	X	X	Not Collected
6	MW-9 (3/23/10)		1615					X	X	X	
7	MW-10 (3/23/10)		1456					X	X	X	
8	MW-11 (3/23/10)		1432					X	X	X	
9	MW-12 (3/23/10)	2	1537					X	X	X	
10	TB-BP11109-3/23/10	3/23/10									Hold trip blank

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements & Comments: 3.2°C

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BAI	3/24/10 800		TASF	3-24-10 1200
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TASF	3-24-10 1630		~~TASF~~ Amer	3-24-10 1630
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Login Sample Receipt Check List

Client: ARCADIS U.S., Inc.

Job Number: 720-26852-1

Login Number: 26852

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

BROADBENT & ASSOCIATES INC. FIELD PROCEDURES

A.1 QUALITY ASSURANCE/QUALITY CONTROL FIELD PROTOCOLS

Field protocols have been implemented to enhance the accuracy and reliability of data collection, ground-water sample collection, transportation and laboratory analysis. Discussion of these protocols is provided below.

A.1.1 Water Level & Free-Product Measurement

Prior to ground-water sample collection from each monitoring well, the presence of separate-phase hydrocarbons (SPH or free product, FP) and depth to ground water shall be measured. Depth to ground water will be measured with a standard water level indicator that has been decontaminated prior to its use in accordance with procedures discussed below. Depth to groundwater will be gauged from a saw cut notch at the top of the well casing on each well head. Where FP is suspected, the initial gauging will be done with an oil-water interface probe. Once depth to water has been measured, the first retrieval of a new disposable bailer will be scrutinized for the presence of SPH/FP.

A.1.2 Monitoring Well Purging

Subsequent to measuring depth to ground water and prior to the collection of ground-water samples, purging of standing water within the monitoring will be performed if called for. Consistent with the American Society for Testing and Materials (ASTM) Standard D6452-99, Section 7.1, the well will be purged of approximately three wetted-casing volumes of water, or until the well is dewatered, or until monitored field parameters indicate stabilization. The well will be purged using a pre-cleaned disposable bailer or submersible pump and disposable plastic tubing dedicated to each individual well. The well will be purged at a low flow rate to minimize the possibility of purging the well dry. So that the sample collected is representative of formation water, several field parameters will be monitored during the purging process. The sample will not be collected until these parameters (i.e. temperature, pH, and conductivity) have stabilized to within 10% of the previously measured value. If a well is purged dry, the sample should not be collected until the well has recovered to a minimum 50% of its initial volume.

A.1.3 Ground-Water Sample Collection

Once the wells are satisfactorily purged, water samples will be collected from each well. Water samples for organic analyses will be collected using a pre-cleaned, new, disposable bailer and transferred into the appropriate, new, laboratory-prepared containers such that no head space or air bubbles are present in the sample container (if appropriate to the analysis). The samples will be properly labeled (i.e. sample identification, sampler initials, date/time of collection, site location, requested analyses), placed in an ice chest with bagged ice or ice substitute, and delivered to the contracted analytical laboratory.

A.1.4 Surface Water Sample Collection

Unless specified otherwise, surface water samples will be collected from mid-depth in the central area of the associated surface water body. Water samples will be collected into appropriate, new, laboratory-prepared containers by dipping the container into the surface water unless the container has a preservative present. If a sample preservative is present, a new, cleaned non-preserved surrogate container will be used to obtain the sample which will then be directly transferred into a new, laboratory-provided, preserved container. Samples will be properly labeled and transported as described above.

A.1.5 Decontamination Protocol

Prior to use in each well, re-usable ground-water sampling equipment (e.g., water level indicator, oil-interface probe, purge pump, etc.) will be decontaminated. Decontamination protocol will include thoroughly cleaning with a solution of Liquinox, rinsing with clean water, and final rinsing with control water (potable water of known quality, distilled, or de-ionized water). Pre-cleaned new disposable bailers and disposable plastic tubing will be dedicated to each individual well.

A.1.6 Chain of Custody Procedures

Sample identification documents will be carefully prepared so identification and chain of custody can be maintained and sample disposition can be controlled. The sample identification documents include Chain-of-Custody (COC) records and Daily Field Report forms. Chain of custody procedures are outlined below.

Field Custody Procedures

The field sampler is individually responsible for the care and custody of the samples collected until they are properly transferred.

Samples will have unique labels. The information on these labels will correspond to the COC which shows the identification of individual samples and the contents of the shipping container. The original COC will accompany the shipment and a copy will be retained by the field sampler.

Transfer of Custody and Shipment

A COC will accompany samples during transfer and shipment. When transferring samples, the individual relinquishing and the individual receiving the samples will each sign, date, and note the time on the COC. This documents the sample custody transfer.

Samples will be packaged properly for shipment and dispatched to the appropriate laboratory for analysis, with a separate COC accompanying each shipment. Shipments will be accompanied by the original COC. Samples will be delivered by BAI personnel to the laboratory, or shipped by responsible courier. When a shipping courier is utilized, the sample shipment number will be identified on the COC.

A.1.7 Field Records

In addition to sample identification numbers and COC records, Daily Field Report records will be maintained by field staff to provide daily records of significant events, observations, and measurements during field investigations. These documents will contain observed information such as: the personnel present, site conditions, sampling procedures, measurement procedures, calibration records, equipment used, supplies used, etc. Field measurements will be recorded on the appropriate forms. Entries on the data forms will be signed and dated. The data forms will be kept as permanent file records.

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION RECEIPTS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

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

Submittal Type:	**GEO_WELL**
Submittal Title:	**1Q10 GEO_WELL 11109**
Facility Global ID:	**T0600100217**
Facility Name:	**BP #11109**
File Name:	**GEO_WELL.zip**
Organization Name:	**Broadbent & Associates, Inc.**
Username:	**BROADBENT-C**
IP Address:	**67.118.40.90**
Submittal Date/Time:	**4/12/2010 12:09:25 PM**
Confirmation Number:	**8728143155**

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!

Submittal Type:	**EDF - Monitoring Report - Quarterly**
Submittal Title:	**1Q10 GW Monitoring**
Facility Global ID:	**T0600100217**
Facility Name:	**BP #11109**
File Name:	**720-26852-1rev.zip**
Organization Name:	**Broadbent & Associates, Inc.**
Username:	**BROADBENT-C**
IP Address:	**67.118.40.90**
Submittal Date/Time:	**4/27/2010 10:03:59 AM**
Confirmation Number:	**3010644495**

VIEW QC REPORT

VIEW DETECTIONS REPORT