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Environmental Health

ARCADIS U.S., Inc.
100 Montgomery Street, Suite 300
San Francisco, California 94105
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Re: Second Quarter 2010 Ground-Water Monitoring Report
Former BP Station #11126
1700 Powell Street
Emeryville, California
ACEH Case #RO0000066

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."

Submitted by:
ARCADIS U.S., Inc.

Hollis E. Phillips, PG
Project Manager

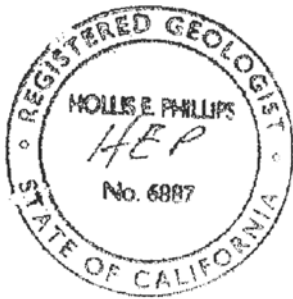
Date:
07/30/2010

Contact:
Hollis E. Phillips

Phone:
415.374.2744 ext 13

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Hollis.phillips@arcadis-us.com

Our ref:
GP09BPNA.C044



**Second Quarter 2010 Semi-Annual
Ground-Water Monitoring Report**
Former BP Station #11126
1700 Powell Street, Emeryville, California
ACEH Case #RO0000066

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
PO Box 1257
San Ramon, California 94583

Prepared by



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July 30, 2010

Project No. 09-88-662

Broadbent & Associates, Inc.
1324 Mangrove Ave., Suite 212
Chico, CA 95926
Voice (530) 566-1400
Fax (530) 566-1401



July 30, 2010

Project No. 09-88-662

ARCADIS-US, Inc.
100 Montgomery Street, Ste. 300
San Francisco, CA 94104

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

Re: Second Quarter 2010 Semi-Annual Ground-Water Monitoring Report, Former BP Station #11126, 1700 Powell Street, Emeryville, Alameda County, California; ACEH Case #RO0000066.

Dear Ms. Phillips:

Provided herein is the *Second Quarter 2010 Semi-Annual Ground-Water Monitoring Report* for Former BP Station #11126 located at 1700 Powell Street, Emeryville, California (Site). This report presents a summary of results from ground-water monitoring and sampling conducted at the Site during the Second Quarter of 2010.

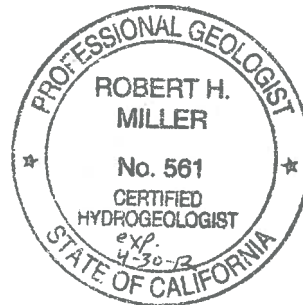
Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Jason Duda
Project Scientist

Robert H. Miller, P.G., C.H.G.
Principal Hydrogeologist



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (submitted via ACEH ftp site)
Ms. Cherie McCaulou, San Francisco Regional Water Quality Control Board
Electronic copy uploaded to GeoTracker

STATION #11126 SEMI-ANNUAL GROUND-WATER MONITORING REPORT

Facility: #11126	Address:	1700 Powell Street, Emeryville, California 94608
ARCADIS Project Manager:		Ms. Hollis Phillips, PG
Consulting Co./Contact Persons:		Broadbent & Associates, Inc. (BAI) / Jason Duda & Robert Miller (530) 566-1400
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) / ACEH Case # RO0000066
Consultant Project No.:		09-88-662

WORK PERFORMED THIS QUARTER (Second Quarter 2010):

1. Conducted ground-water monitoring/sampling for Second Quarter 2010 on June 29, 2010. Work performed by BAI.

WORK PROPOSED FOR NEXT QUARTER (Third Quarter 2010):

1. Prepare and submit this *Second Quarter 2010 Semi-Annual Ground-Water Monitoring Report* (contained herein).
2. No environmental activities are scheduled to be performed at Station #11126 during the Third Quarter of 2010.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	Ground-water monitoring/sampling
Frequency of ground-water monitoring:	Semi-Annually (2Q & 4Q): Wells MW-1 through MW-11
Frequency of ground-water sampling:	Semi-Annually (2Q & 4Q): Wells MW-1 through MW-11
Is free product (FP) present on-site:	No
Current remediation techniques:	NA
Depth to ground water (below TOC):	3.60 ft (MW-1) to 10.19 ft (MW-11)
General ground-water flow direction:	Southwest
Approximate hydraulic gradient:	0.010 ft/ft

DISCUSSION:

Second Quarter 2010 ground-water monitoring and sampling was conducted at Station #11126 by BAI on June 29, 2010. Water levels were gauged in ten of the eleven wells associated with Station #11126. Well MW-5 was not accessed due to the well being in a traffic lane of Powell Street. A traffic control plan is not currently established for the Site and it is unknown whether an encroachment permit is required to conduct sampling of well MW-5. Traffic control and encroachment permitting issues will be addressed prior to the scheduled sampling event to be conducted during Fourth Quarter of 2010. No other irregularities were noted during water level gauging at Station #11126. Depth to water measurements at the Site ranged from 3.60 ft at well MW-1 to 10.19 ft at MW-11. Resulting ground-water surface elevations at the Site ranged from 6.56 ft above datum in well MW-1 to 4.01 ft at well MW-4. Water level elevations yielded a potentiometric ground-water flow direction and gradient to the southwest at 0.010 ft/ft. Ground-water monitoring field data sheets 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 within Table 2. A Site Location Map is provided as Drawing 1. Potentiometric ground-water elevation contours are presented in Drawing 2.

Water samples were collected from wells MW-1 through MW-4 and well MW-6 through MW-11. Well MW-5 was not sampled due to a traffic control plan not currently being established for the Site. Well MW-4 purged dry before three casing volumes were removed. No other irregularities were encountered during sampling at the Site. Samples were submitted under chain-of-custody protocol to TestAmerica Laboratories, Inc. (Pleasanton, California) for analysis of Gasoline Range Organics (GRO, C6-12), Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX), and Methyl Tert-Butyl Ether (MTBE), Ethyl Tert-Butyl Ether (ETBE), Di-Isopropyl Ether (DIPE), Tert-Amyl Methyl Ether (TAME), Tert-Butyl Alcohol (TBA), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), and Ethanol by EPA Method 8260B. Additional groundwater samples were collected from well MW-3 and were submitted for analysis of Diesel Range Organics (DRO, C10-C28) by EPA Method 8015B. No significant irregularities were reported during 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.

DRO were detected above the laboratory reporting limit in well MW-3 at a concentration of 2,700 micrograms per liter ($\mu\text{g/L}$). GRO were detected above the laboratory reporting limit in four of the ten wells sampled at concentrations ranging from 170 $\mu\text{g/L}$ in well MW-8 to 5,300 $\mu\text{g/L}$ in well MW-2. Benzene was detected above the laboratory reporting limit in three of the ten wells sampled at concentrations ranging from 18 $\mu\text{g/L}$ in well MW-1 to 800 $\mu\text{g/L}$ in well MW-2. Toluene was detected above the laboratory reporting limit in two of the ten wells sampled at concentrations of 1.3 $\mu\text{g/L}$ in well MW-1 and 15 $\mu\text{g/L}$ in well MW-9. Ethylbenzene was detected above the laboratory reporting limit in two of the ten wells sampled at concentrations of 110 $\mu\text{g/L}$ in well MW-9 and 250 $\mu\text{g/L}$ in well MW-2. Total Xylenes were detected above the laboratory reporting limit in three of the ten wells sampled at concentrations ranging from 4.3 $\mu\text{g/L}$ in well MW-1 to 300 $\mu\text{g/L}$ in well MW-2. MTBE was detected above the laboratory reporting limit in eight of the ten wells sampled at concentrations ranging from 1.6 $\mu\text{g/L}$ in well MW-10 to 1,200 $\mu\text{g/L}$ in well MW-9. TAME was detected in two of the ten wells sampled at concentrations of 1.2 $\mu\text{g/L}$ in well MW-1 and 30 $\mu\text{g/L}$ in well MW-9. TBA was detected above the laboratory reporting limit in eight of the ten wells sampled at concentrations ranging from 49 $\mu\text{g/L}$ in well MW-6 to 38,000 $\mu\text{g/L}$ in well MW-4. The remaining fuel constituents were not detected above their respective laboratory reporting limit in the ten wells sampled this quarter. Historic laboratory analytical results for the Site are summarized in Table 1. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 2. 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.

CONCLUSIONS AND RECOMMENDATIONS:

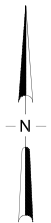
Ground-water elevations were between the historic minimum and maximum values for each well gauged this quarter at Station #11126. The potentiometric ground-water flow direction and gradient of 0.010 ft/ft to the southwest was consistent with historical data. Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well with the following exceptions: MTBE reached historic minimum concentrations in wells MW-1 (<0.50 $\mu\text{g/L}$), MW-4 (7.3 $\mu\text{g/L}$), and MW-7 (3.0 $\mu\text{g/L}$) and Total Xylenes reached a historic minimum concentration in well MW-1 (4.3 $\mu\text{g/L}$). The next semi-annual ground-water monitoring and sampling event is scheduled to be conducted during the Fourth Quarter of 2010.

CLOSURE:

The findings presented in this report are based upon: observations of BAI field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by 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. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

- Drawing 1. Site Location Map, Station #11126, 1700 Powell Street, Emeryville, California
- Drawing 2. Ground-Water Elevation Contour and Analytical Summary Map, June 29, 2010, Station #11126, 1700 Powell Street, Emeryville, California
- Table 1. Historical Ground-Water Monitoring and Analytical Data, Former BP Service Station No. 11126, 1700 Powell Street, Emeryville, California
- Table 2. Ground-Water Flow Direction and Hydraulic Gradient Data, Former BP Service Station No. 11126, 1700 Powell Street, Emeryville, California
- Appendix A. BAI Ground-Water Sampling Data (Includes Field Data Sheets, Non-Hazardous Waste Data Form, Laboratory Analytical Report, Chain-of-Custody Documentation, and Field Procedures)
- Appendix B. GeoTracker Upload Confirmation Receipts



APPROXIMATE SCALE (mi)

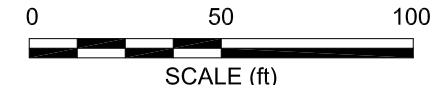
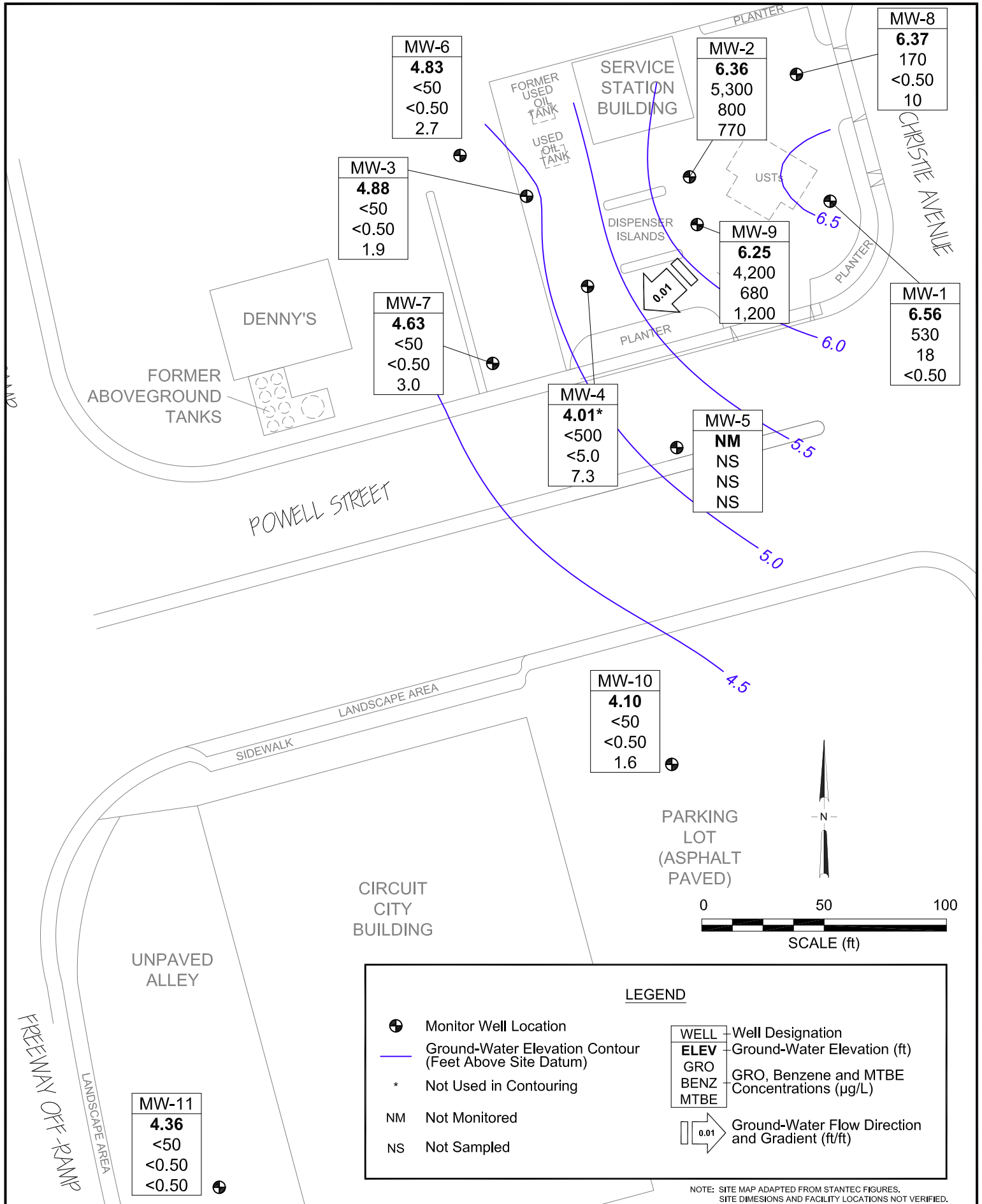
IMAGE SOURCE: DELORME

BROADBENT & ASSOCIATES, INC.
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 1324 Mangrove Ave. Suite 212, Chico, California 95926
 Project No.: 09-88-662 Date: 1/21/2010

76 (Former BP)
 Service Station #11126
 1700 Powell Street
 Emeryville, California

Site Location Map

Drawing
1



LEGEND

- ⊕ Monitor Well Location
- Ground-Water Elevation Contour (Feet Above Site Datum)
- * Not Used in Contouring
- NM Not Monitored
- NS Not Sampled

WELL	WELL Designation
ELEV	Ground-Water Elevation (ft)
GRO	GRO, Benzene and MTBE Concentrations (µg/L)
BENZ	
MTBE	

0.01 Ground-Water Flow Direction and Gradient (ft/ft)

NOTE: SITE MAP ADAPTED FROM STANTEC FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, 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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-1																	
11/4/1992	--		7.76	4.96	0	2.80	5,300	1,100	480	<0.50	1,500	--	--	--	--	--	--
10/12/1993	--		7.76	5.26	0	2.50	3,600	970	71	100	550	6,111	--	--	--	--	--
2/15/1994	--		7.76	4.98	0	2.78	17,000	4,200	510	360	1,600	5,495	3.9	--	--	--	--
5/11/1994	--		7.76	4.55	0	3.21	5,500	2,900	37	56	64	705	8.0	--	--	--	--
8/1/1994	--		7.76	5.51	0	2.25	15,000	3,600	740	510	2,800	9,718	2.9	--	--	--	--
8/1/1994	--	DUP	7.76	--	--	--	16,000	3,600	750	510	2,800	9,800	--	--	--	--	--
10/18/1994	--		7.76	5.11	0	2.65	16,000	1,800	61	160	890	15,668	2.9	--	--	--	--
10/18/1994	--	DUP	7.76	--	--	--	16,000	1,900	64	170	950	--	--	--	--	--	--
1/13/1995	--	DUP	7.76	--	--	--	590	88	0.70	<0.50	55	--	--	--	--	--	--
1/13/1995	--		7.76	3.05	0	4.71	220	7.0	<0.50	1.0	23	--	6.6	--	--	--	--
4/13/1995	--		7.76	3.84	0	3.92	9,300	4,000	300	200	950	--	7.7	--	--	--	--
7/11/1995	--		7.76	3.60	0	4.16	15,000	2,200	84	<25	2,500	--	8.8	--	--	--	--
11/2/1995	--		7.76	4.58	0	3.18	19,000	920	<100	<100	430	52,000	7.3	--	--	--	--
2/5/1996	--		7.76	4.43	0	3.33	4,600	1,400	330	54	247	8,700	3.2	--	--	--	--
4/24/1996	--		7.76	4.00	0	3.76	2,000	510	33	61	228	4,500	7.5	--	--	--	--
7/15/1996	--		7.76	4.30	0	3.46	--	--	--	--	--	--	--	--	--	--	--
7/16/1996	--		7.76	--	--	--	12,000	2,800	170	390	1,630	64,000	7.9	--	--	--	--
7/16/1996	--	DUP	7.76	--	--	--	12,000	2,800	160	390	1,610	63,000	--	--	--	--	--
7/30/1996	--		7.76	4.64	0	3.12	--	--	--	--	--	--	--	--	--	--	--
8/12/1996	--		7.76	--	--	--	11,000	2,500	160	<10	1,740	440,000	7.0	--	--	--	--
11/4/1996	--		7.76	5.98	0	1.78	--	--	--	--	--	--	--	--	--	--	--
11/5/1996	--		7.76	--	--	--	53,000	1,300	43	100	349	42,000	6.6	--	--	--	--
5/17/1997	--		7.76	4.65	0	3.11	52,000	1,958	55	305	1,216	140,198	5.7	--	--	--	--
8/11/1997	--		7.76	4.90	0	2.86	25,000	540	6.7	<5.0	57	360,000	7.9	--	--	--	--
11/17/1997	--		7.76	6.12	0	1.64	93,000	1,200	31	180	40	400,000	7.6	--	--	--	--
1/29/1998	--		7.76	4.90	0	2.86	4,800	320	24	52	20	<50	6.6	--	--	--	--
6/22/1998	--		7.76	4.62	0	3.14	63,000	180	<5.0	15	69	57,000	6.0	--	--	--	--
12/30/1998	--		7.76	5.41	0	2.35	22,000	2,500	24	120	400	15,000	--	--	--	--	--
3/9/1999	--		7.76	3.40	0	4.36	16,000	2,000	84	290	510	13,000	--	--	--	--	--
6/23/1999	--		7.76	4.60	0	3.16	9,600	4,500	21	160	260	24,000	--	--	--	--	--
9/23/1999	--		7.76	4.21	0	3.55	3,800	1,600	32	150	240	7,100	--	--	--	--	--

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, 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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-1 Cont.																	
12/28/1999	--		7.76	4.10	0	3.66	3,400	<2,200	17	53	130	5,500	--	--	--	--	--
3/22/2000	--		7.76	5.51	0	2.25	6,400	1,100	45	190	330	4,900	--	--	--	--	--
5/26/2000	--		7.76	4.79	0	2.97	110,000	700	44	140	250	320,000	--	--	--	--	--
9/6/2000	--		7.76	5.19	0	2.57	5,600	1,000	13	57	90	19,000	--	--	--	--	--
9/15/2000	--		7.76	5.73	0	2.03	--	--	--	--	--	--	--	--	--	--	--
12/11/2000	--		7.76	5.82	0	1.94	5,500	1,160	47	155	292	3,900	--	--	--	--	--
3/29/2001	--	INA	7.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/27/2001	--		7.76	5.49	0	2.27	6,100	1,200	13	17	78	1,780	--	--	--	--	--
9/19/2001	--		7.76	6.19	0	1.57	1,800	102	<12.5	<12.5	<37.5	1,090	--	--	--	--	--
12/28/2001	--		7.76	5.27	0	2.49	4,000	540	12	20	65	1,120	--	--	--	--	--
3/12/2002	--		7.76	5.68	0	2.08	3,700	491	8.4	12	27	1,020	--	--	--	--	--
6/13/2002	--		7.76	5.54	0	2.22	1,900	255	<12.5	<12.5	<25	6,490	--	--	--	--	--
9/6/2002	--		7.76	5.56	0	2.20	1,100	170	5.1	2.2	20	550	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	7.76	5.45	0	2.31	2,700	610	10	18	67	470	--	--	--	--	--
2/19/2003	--		7.76	3.00	0	4.76	1,500	180	<5.0	<5.0	15	610	--	--	--	--	--
6/6/2003	--		7.76	5.52	0	2.24	4,600	620	<25	<25	55	1,400	--	--	--	--	--
8/7/2003	--		7.76	5.55	0	2.21	2,000	290	<5.0	<5.0	15	920	--	--	--	--	--
11/20/2003	--	Past holding time	7.76	5.41	0	2.35	2,800	420	11	11	53	250	--	--	--	--	--
4/28/2004	--		7.76	5.33	0	2.43	1,600	100	5.3	<5.0	8.8	200	--	--	--	--	--
8/26/2004	--		7.76	4.03	0	3.73	1,700	220	7.2	15	35	180	--	--	--	--	--
12/1/2004	--		7.76	3.93	0	3.83	2,100	380	8.0	34	76	170	--	--	--	--	--
2/2/2005	--		7.76	3.61	0	4.15	1,100	150	3.0	12	14	160	--	--	--	--	--
4/25/2005	--		10.16	3.75	0	6.41	930	140	3.6	5.3	11	200	--	--	--	--	--
9/30/2005	--		10.16	3.54	0	6.62	4,600	1,000	15	78	150	250	--	--	--	--	--
12/28/2005	--		10.16	3.26	0	6.90	1,500	200	5.7	32	58	140	--	--	--	--	--
3/23/2006	--		10.16	3.40	0	6.76	580	42	<5.0	10	20	40	--	--	--	--	--
6/5/2006	--		10.16	2.97	0	7.19	900	230	2.5	28	71	160	--	--	--	--	--
9/19/2006	--	Well purged dry	10.16	3.67	0	6.49	1,600	240	3.4	11	23	180	--	--	--	--	--
12/1/2006	--		10.16	3.64	0	6.52	1,400	86	4.3	7.0	19	150	--	--	--	--	--
3/1/2007	--		10.16	3.55	0	6.61	4,200	340	7.0	34	46	160	--	--	--	--	--
6/1/2007	--		10.16	3.53	0	6.63	2,100	200	3.4	34	59	140	--	--	--	--	--

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, 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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-1 Cont.																	
9/13/2007	--		10.16	4.88	0	5.28	540	74	2.4	5.4	10	59	--	--	--	--	--
11/21/2007	--		10.16	3.70	0	6.46	1,800	67	6.2	3.5	12	200	--	--	--	--	--
2/29/2008	--		10.16	3.49	0	6.67	970	100	1.9	37	32	25	--	--	--	--	--
5/23/2008	--		10.16	4.26	0	5.90	1,300	170	3.5	15	26	120	--	--	--	--	--
9/26/2008	--		10.16	4.29	0	5.87	1,800	26	6.1	<1.0	10	120	--	--	--	--	--
12/23/2008	--		10.16	3.79	0	6.37	1,600	14	6.1	1.2	9.7	75	--	--	--	--	--
3/9/2009	--		10.16	3.29	0	6.87	2,100	200	5.6	16	29	88	--	--	--	--	--
5/28/2009	--		10.16	4.02	0	6.14	880	64	1.5	3.4	9.4	48	0.46	--	--	--	--
12/10/2009	--		10.16	3.92	0	6.24	1300	46	6.9	2.6	10	65	0.47	--	--	--	--
6/29/2010	P		10.16	3.60	0	6.56	530	18	1.3	<0.50	4.3	<0.50	0.53	7.09	--	--	--
MW-2																	
11/4/1992	--		8.56	5.88	0	2.68	12,000	3,900	1,300	<0.50	2,300	--	--	--	--	--	--
11/4/1992	--	DUP	8.56	--	--	--	12,000	3,200	980	<0.50	1,900	--	--	--	--	--	--
10/12/1993	--		8.56	6.29	0	2.27	4,500	3,400	180	230	940	442	--	--	--	--	--
2/15/1994	--		8.56	--	--	--	1,800	290	160	14	250	--	--	--	--	--	--
2/15/1994	--	DUP	8.56	5.56	0	3.00	2,000	430	270	28	390	127	4.0	--	--	--	--
5/11/1994	--		8.56	5.17	0	3.39	14,000	3,900	1,200	440	1,900	953	8.9	--	--	--	--
5/11/1994	--	DUP	8.56	--	--	--	15,000	5,600	1,500	470	2,000	740	--	--	--	--	--
8/1/1994	--		8.56	5.43	0	3.13	8,200	3,000	420	230	680	1,676	2.6	--	--	--	--
10/18/1994	--		8.56	5.71	0	2.85	9,000	2,000	140	150	420	2,417	7.2	--	--	--	--
1/13/1995	--		8.56	4.67	0	3.89	7,900	2,200	42	<5.0	770	--	6.8	--	--	--	--
4/13/1995	--		8.56	4.37	0	4.19	33,000	8,000	2,500	1,100	6,600	--	7.5	--	--	--	--
4/13/1995	--	DUP	8.56	--	--	--	25,000	6,500	1,500	110	5,300	--	--	--	--	--	--
7/11/1995	--		8.56	4.51	0	4.05	19,000	3,300	99	7.5	4,600	--	7.8	--	--	--	--
7/11/1995	--	DUP	8.56	--	--	--	28,000	6,800	1,000	900	4,900	--	--	--	--	--	--
11/2/1995	--	DUP	8.56	--	--	--	22,000	4,000	1,200	600	2,700	19,000	--	--	--	--	--
11/2/1995	--		8.56	5.55	0	3.01	20,000	3,800	1,200	570	2,700	15,000	7.3	--	--	--	--
2/5/1996	--		8.56	5.10	0	3.46	1,200	320	220	26	187	99	2.2	--	--	--	--
2/5/1996	--	DUP	8.56	--	--	--	910	290	180	19	137	93	--	--	--	--	--
4/24/1996	--		8.56	--	--	--	<500	100	30	<10	71	<100	--	--	--	--	--

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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-2 Cont.																	
4/24/1996	--	DUP	8.56	4.95	0	3.61	<500	70	22	<10	61	<50	7.0	--	--	--	--
7/15/1996	--		8.56	5.40	0	3.16	--	--	--	--	--	--	--	--	--	--	--
7/16/1996	--		8.56	--	--	--	12,000	3,300	1,400	250	2,610	1,400	7.8	--	--	--	--
7/30/1996	--		8.56	5.44	0	3.12	--	--	--	--	--	--	--	--	--	--	--
11/4/1996	--		8.56	7.06	0	1.50	--	--	--	--	--	--	--	--	--	--	--
11/5/1996	--		8.56	--	--	--	7,200	1,400	230	38	2,110	1,100	7.4	--	--	--	--
11/5/1996	--	DUP	8.56	--	--	--	9,200	1,300	170	<25	2,240	1,100	--	--	--	--	--
5/17/1997	--		8.56	5.77	0	2.79	570	42	<5.0	5.0	60	210	6.9	--	--	--	--
8/11/1997	--		8.56	5.71	0	2.85	6,300	1,800	130	86	397	2,400	8.5	--	--	--	--
11/17/1997	--		8.56	6.91	0	1.65	2,400	220	30	33	259	130	7.9	--	--	--	--
1/29/1998	--		8.56	4.61	0	3.95	<50	<0.50	<1.0	<1.0	<1.0	<10	6.2	--	--	--	--
6/22/1998	--		8.56	4.80	0	3.76	4,200	640	150	120	650	560	5.4	--	--	--	--
12/30/1998	--		8.56	5.21	0	3.35	--	--	--	--	--	--	--	--	--	--	--
6/23/1999	--		8.56	5.30	0	3.26	--	--	--	--	--	--	--	--	--	--	--
9/23/1999	--		8.56	4.75	0	3.81	3,800	760	19	210	960	910	--	--	--	--	--
12/28/1999	--		8.56	4.51	0	4.05	--	--	--	--	--	--	--	--	--	--	--
3/22/2000	--		8.56	4.21	0	4.35	2,500	780	17	44	270	2,800	--	--	--	--	--
5/26/2000	--		8.56	4.66	0	3.90	--	--	--	--	--	--	--	--	--	--	--
9/6/2000	--		8.56	4.71	0	3.85	3,700	1,200	5.5	12	170	12,000	--	--	--	--	--
9/15/2000	--		8.56	4.74	0	3.82	--	--	--	--	--	--	--	--	--	--	--
12/11/2000	--		8.56	4.79	0	3.77	--	--	--	--	--	--	--	--	--	--	--
3/29/2001	--	INA	8.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/27/2001	--	INA	8.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/2001	--	INA	8.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/28/2001	--	INA	8.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/2002	--		8.56	4.25	0	4.31	26,000	1,160	4.4	61	171	37,300	--	--	--	--	--
6/13/2002	--		8.56	4.94	0	3.62	18,000	578	<50	<50	<100	84,600	--	--	--	--	--
9/6/2002	--		8.56	5.23	0	3.33	26,000	440	<50	<50	<50	45,000	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	8.56	4.94	0	3.62	69,000	1,200	<500	<500	<500	98,000	--	--	--	--	--
2/19/2003	--		8.56	4.14	0	4.42	78,000	1,100	<500	<500	<500	81,000	--	--	--	--	--
6/6/2003	--		8.56	4.66	0	3.90	120,000	1,100	<1,000	<1,000	<1,000	72,000	--	--	--	--	--

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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-2 Cont.																	
8/7/2003	--		8.56	4.90	Sheen	3.66	71,000	590	<500	<500	<500	83,000	--	--	--	--	--
11/20/2003	--		8.56	4.59	0	3.97	22,000	720	<100	<100	<100	18,000	--	--	--	--	--
4/28/2004	--		8.56	4.37	0	4.19	<25,000	690	<250	<250	<250	31,000	--	--	--	--	--
8/26/2004	--		8.56	4.59	0	3.97	140,000	8,200	18,000	4,200	19,000	11,000	--	--	--	--	--
12/1/2004	--		8.56	4.79	0	3.77	98,000	8,400	13,000	4,600	21,000	10,000	--	--	--	--	--
2/2/2005	--		8.56	4.27	Sheen	4.29	92,000	6,600	9,900	4,400	18,000	10,000	--	--	--	--	--
4/25/2005	--		11.39	4.00	0	7.39	80,000	6,700	4,900	4,400	17,000	8,200	--	--	--	--	--
9/30/2005	--		11.39	4.86	0	6.53	98,000	7,700	7,400	4,700	20,000	16,000	--	--	--	--	--
12/28/2005	--		11.39	4.28	0	7.11	210,000	15,000	21,000	7,300	31,000	22,000	--	--	--	--	--
3/23/2006	--		11.39	3.60	0	7.79	79,000	9,100	12,000	4,300	17,000	13,000	--	--	--	--	--
6/5/2006	--		11.39	4.28	Sheen	7.11	79,000	9,700	8,700	4,900	20,000	8,000	--	--	--	--	--
9/19/2006	--		11.39	4.61	0	6.78	68,000	12,000	9,300	4,100	14,000	16,000	--	--	--	--	--
12/1/2006	--		11.39	4.55	0	6.84	61,000	15,000	6,900	4,400	17,000	10,000	--	--	--	--	--
3/1/2007	--		11.39	4.14	0	7.25	80,000	9,300	5,500	4,100	15,000	8,300	--	--	--	--	--
6/1/2007	--		11.39	4.34	0	7.05	120,000	12,000	6,400	4,200	11,000	17,000	--	--	--	--	--
9/13/2007	--		11.39	5.35	0	6.04	<5,000	770	<50	140	<100	2,300	--	--	--	--	--
11/21/2007	--		11.39	5.19	0	6.20	27,000	4,500	220	1,600	2,800	5,200	--	--	--	--	--
2/29/2008	--		11.39	4.41	0	6.98	44,000	6,100	320	3,800	6,600	4,900	--	--	--	--	--
5/23/2008	--		11.39	5.25	0	6.14	13,000	1,700	<50	300	210	2,500	--	--	--	--	--
9/26/2008	--		11.39	5.81	0	5.58	4,800	220	12	20	42	960	--	--	--	--	--
12/23/2008	--		11.39	5.50	0	5.89	5,700	950	19	170	70	1,800	--	--	--	--	--
3/9/2009	--		11.39	4.35	0	7.04	25,000	3,200	73	2,800	2,200	2,200	--	--	--	--	--
5/28/2009	--		11.39	4.90	0	6.49	55,000	4,700	740	3,800	8,100	2,800	0.27	--	--	--	--
12/10/2009	--		11.39	5.29	0	6.10	2200	250	7.3	13	14	360	0.65	--	--	--	--
6/29/2010	P	Odor	11.39	5.03	0	6.36	5,300	800	<25	250	300	770	0.60	6.91	--	--	--
MW-3																	
11/4/1992	--		8.25	6.38	0	1.87	200	1.6	<0.50	<0.50	1.1	--	--	--	690	<5,000	ND
10/12/1993	--		8.25	--	--	--	150	5.6	0.60	<0.50	1.6	--	--	--	--	--	--
10/12/1993	--	DUP	8.25	5.84	0	2.41	270	5.0	0.70	<0.50	2.6	96	--	--	2,100	<5,000	ND
2/15/1994	--		8.25	6.60	0	1.65	140	5.7	<0.50	<0.50	<0.50	30	3.9	--	2.3	90	ND

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							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-3 Cont.																	
5/11/1994	--		8.25	5.86	0	2.39	190	2.7	1.9	<0.50	1.9	51	9.2	--	2,500	<5,000	ND
8/1/1994	--		8.25	6.13	0	2.12	120	1.3	<0.50	0.50	1.1	18	2.9	--	1,300	<5,000	ND
10/18/1994	--		8.25	6.39	0	1.86	100	2.3	<0.50	<0.50	<0.50	21	3.6	--	2,200	<5,000	ND
1/13/1995	--		8.25	5.47	0	2.78	<50	0.80	<0.50	<0.50	<1.0	--	7.7	--	970	--	ND
4/13/1995	--		8.25	5.17	0	3.08	530	8.7	1.9	<0.50	3.9	--	8.4	--	<500	2,100	ND
7/11/1995	--		8.25	5.37	0	2.88	78	0.57	<0.50	<0.50	<1.0	--	8.3	--	2,100	1,900	ND
11/2/1995	--		8.25	6.29	0	1.96	250	0.73	<0.50	<0.50	1.8	270	8.3	--	2,000	1,400	ND
2/5/1996	--		8.25	5.80	0	2.45	<50	<0.50	<1.0	<1.0	2.7	11	3.5	--	1,600	9,000	ND
4/24/1996	--		8.25	5.69	0	2.56	<50	<5.0	<10	<10	<10	150	8.6	--	2,800	6,000	ND
7/15/1996	--		8.25	6.18	0	2.07	<250	<2.5	<5.0	<5.0	<5.0	<50	7.7	--	3,700	1,000	ND
7/30/1996	--		8.25	6.04	0	2.21	--	--	--	--	--	--	--	--	--	--	--
11/4/1996	--		8.25	7.84	0	0.41	--	--	--	--	--	--	--	--	--	--	--
11/5/1996	--		8.25	--	--	--	90	<0.50	<1.0	<1.0	<1.0	30	6.8	--	890	2,000	ND
5/17/1997	--		8.25	6.49	0	1.76	<50	<0.50	<1.0	<1.0	<1.0	52	6.3	--	2,100	700	ND
8/11/1997	--		8.25	6.15	0	2.10	490	<2.5	<5.0	<5.0	<5.0	170	7.4	--	1,900	<5,000	ND
11/17/1997	--		8.25	7.15	0	1.10	120	<0.50	<1.0	<1.0	<1.0	46	7.0	--	2,500	<5,000	ND
1/29/1998	--		8.25	5.10	0	3.15	270	0.53	<1.0	<1.0	<1.0	330	6.4	--	1,700	2,000	ND
6/22/1998	--		8.25	5.50	0	2.75	200	<0.50	<1.0	<1.0	<1.0	130	5.5	--	2,200	<5.0	ND
12/30/1998	--		8.25	6.68	0	1.57	--	--	--	--	--	--	--	--	--	--	--
3/9/1999	--		8.25	5.53	0	2.72	60	<1.0	<1.0	<1.0	<1.0	19	--	--	840	7,600	--
6/23/1999	--		8.25	6.60	0	1.65	--	--	--	--	--	--	--	--	--	--	--
9/23/1999	--		8.25	6.17	0	2.08	--	--	--	--	--	--	--	--	--	--	--
12/28/1999	--		8.25	6.00	0	2.25	--	--	--	--	--	--	--	--	--	--	--
3/22/2000	--		8.25	4.77	0	3.48	690	4.2	3.1	0.81	2.7	2,900	--	--	<58	13,000	--
5/26/2000	--		8.25	5.28	0	2.97	--	--	--	--	--	--	--	--	--	--	--
9/15/2000	--		8.25	5.58	0	2.67	--	--	--	--	--	--	--	--	--	--	--
12/11/2000	--	DTW anomalous	8.25	11.74	0	-3.49	--	--	--	--	--	--	--	--	--	--	--
3/29/2001	--		8.25	5.04	0	3.21	650	<2.5	<2.5	<2.5	<7.5	680	--	--	<50	6,540	--
6/27/2001	--		8.25	5.62	0	2.63	460	<2.5	<2.5	<2.5	<7.5	560	--	--	690	<5,000	--
9/19/2001	--		8.25	5.80	0	2.45	<500	<5.0	<5.0	<5.0	<15	464	--	--	520	<5,000	--
12/28/2001	--		8.25	4.85	0	3.40	180	<0.50	<0.50	<0.50	<1.0	180	--	--	550	<5,000	--

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							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-3 Cont.																	
3/12/2002	--		8.25	4.39	0	3.86	410	<2.5	<2.5	<2.5	<5.0	443	--	--	1,300	<5,000	--
6/13/2002	--		8.25	5.38	0	2.87	<250	<2.5	<2.5	<2.5	<5.0	395	--	--	2,600	<5,000	--
9/6/2002	--		8.25	5.68	0	2.57	<200	<2.0	<2.0	<2.0	<2.0	650	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	8.25	5.37	0	2.88	<50	<0.50	<0.50	<0.50	<0.50	60	--	--	980	7,000	--
2/19/2003	--		8.25	4.80	0	3.45	<1,000	<10	<10	<10	<10	120	--	--	380	6,700	--
6/6/2003	--		8.25	5.13	0	3.12	<500	<5.0	<5.0	<5.0	<5.0	180	--	--	620	7.9	--
8/7/2003	--	b (DRO)	8.25	5.43	0	2.82	<500	5.7	<5.0	<5.0	<5.0	290	--	--	820	5.4	--
11/20/2003	--	b (DRO)	8.25	4.72	0	3.53	<50	<0.50	<0.50	<0.50	<0.50	17	--	--	1,200	--	--
4/28/2004	--	b (DRO)	8.25	4.87	0	3.38	<100	<1.0	<1.0	<1.0	<1.0	87	--	--	240	--	--
8/26/2004	--	b (DRO)	8.25	5.42	0	2.83	56	<0.50	<0.50	<0.50	<0.50	34	--	--	250	--	--
12/1/2004	--		8.25	5.69	0	2.56	<100	<1.0	<1.0	<1.0	<1.0	7.4	--	--	690	--	--
2/2/2005	--		8.25	4.72	0	3.53	<100	<1.0	<1.0	<1.0	<1.0	20	--	--	730	--	--
4/25/2005	--		10.73	4.75	0	5.98	<250	<2.5	<2.5	<2.5	<2.5	220	--	--	520	--	--
9/30/2005	--	b (DRO)	10.73	5.30	0	5.43	<50	<0.50	<0.50	<0.50	<1.0	8.2	--	--	300	--	--
12/28/2005	--		10.73	4.41	0	6.32	<50	<0.50	<0.50	<0.50	<1.0	0.66	--	--	100	<2.0	--
3/23/2006	--		10.73	4.43	0	6.30	<50	<0.50	<0.50	<0.50	<1.0	13	--	--	260	<2.0	--
6/5/2006	--		10.73	4.95	0	5.78	61	0.69	1.4	0.85	3.6	29	--	--	340	<2.0	--
9/19/2006	--		10.73	5.19	0	5.54	<50	<0.50	<0.50	<0.50	<1.0	4.1	--	--	330	<2.0	--
12/1/2006	--		10.73	5.37	0	5.36	<50	<0.50	<0.50	<0.50	<1.0	2.0	--	--	130	<2.0	--
3/1/2007	--		10.73	4.62	0	6.11	<50	<0.50	<0.50	<0.50	<1.0	3.8	--	--	120	<2.0	--
6/1/2007	--		10.73	5.53	0	5.20	<50	<0.50	<0.50	<0.50	<1.0	3.7	--	--	350	<2.0	--
9/13/2007	--		10.73	6.17	0	4.56	<250	<2.5	<2.5	<2.5	<5.0	2.6	--	--	1,200	<2.0	--
11/21/2007	--		10.73	6.16	0	4.57	<250	<2.5	<2.5	<2.5	<5.0	3.4	--	--	1,600	<2.0	--
2/29/2008	--		10.73	5.38	0	5.35	<50	<0.50	<0.50	<0.50	<1.0	0.90	--	--	350	<2.0	--
5/23/2008	--		10.73	6.07	0	4.66	<500	<5.0	<5.0	<5.0	<10	<5.0	--	--	1,100	<2.0	--
9/26/2008	--		10.73	6.46	0	4.27	120	<1.0	<1.0	<1.0	<1.0	4.8	--	--	3,000	<5,000	--
12/23/2008	--		10.73	6.36	0	4.37	87	<1.0	<1.0	<1.0	<1.0	4.9	--	--	2,800	<5,000	--
3/9/2009	--		10.73	5.31	0	5.42	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	900	<5,000	--
5/28/2009	--		10.73	5.77	0	4.96	<50	<1.0	<1.0	<1.0	<1.0	2.1	0.19	--	1,600	<5,000	--
12/10/2009	--	a	10.73	5.67	0	5.06	<50	<0.50	<0.50	<0.50	<1.0	0.86	0.72	--	450	790	--
6/29/2010	P		10.73	5.85	0	4.88	<50	<0.50	<0.50	<0.50	<1.0	1.9	0.52	7.36	2,700	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, 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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-3																	
MW-4																	
11/4/1992	--		8.12	6.66	0	1.46	340	4.5	<0.50	4.3	<0.50	--	--	--	--	--	--
10/12/1993	--		8.12	6.87	0	1.25	160	5.8	1.4	0.80	2.7	261	--	--	--	--	--
2/15/1994	--		8.12	6.61	0	1.51	110	4.4	0.70	<0.50	2.5	118	4.3	--	--	--	--
5/11/1994	--		8.12	5.89	0	2.23	120	0.50	0.80	<0.50	<0.50	137	9.3	--	--	--	--
8/1/1994	--		8.12	6.87	0	1.25	140	0.70	2.0	5.2	15	138	3.3	--	--	--	--
10/18/1994	--		8.12	6.62	0	1.50	140	3.5	<0.50	0.50	<0.50	197	3.0	--	--	--	--
1/13/1995	--		8.12	7.27	0	0.85	<50	<0.50	<0.50	<0.50	<1.0	--	7.9	--	--	--	--
4/13/1995	--		8.12	6.51	0	1.61	73	1.2	<0.50	<0.50	<1.0	--	9.9	--	--	--	--
7/11/1995	--		8.12	6.21	0	1.91	82	0.57	<0.50	<0.50	<1.0	--	7.2	--	--	--	--
11/2/1995	--		8.12	6.78	0	1.34	71	1.4	0.96	0.99	2.8	140	8.6	--	--	--	--
2/5/1996	--		8.12	6.41	0	1.71	<50	<5.0	<10	<10	<10	200	4.4	--	--	--	--
4/24/1996	--		8.12	6.18	0	1.94	<250	<2.5	<5.0	<5.0	<5.0	510	8.3	--	--	--	--
7/15/1996	--		8.12	6.63	0	1.49	<50	5.7	<1.0	<1.0	<1.0	550	7.4	--	--	--	--
7/30/1996	--		8.12	6.34	0	1.78	--	--	--	--	--	--	--	--	--	--	--
11/4/1996	--		8.12	8.27	0	-0.15	--	--	--	--	--	--	--	--	--	--	--
11/5/1996	--		8.12	--	--	--	460	<2.5	11	<5.0	<5.0	620	7.3	--	--	--	--
5/17/1997	--		8.12	7.00	0	1.12	--	--	--	--	--	--	--	--	--	--	--
8/11/1997	--		8.12	6.81	0	1.31	--	--	--	--	--	--	--	--	--	--	--
11/17/1997	--		8.12	9.19	0	-1.07	840	<0.50	<1.0	<1.0	<1.0	880	7.3	--	--	--	--
1/29/1998	--		8.12	7.94	0	0.18	--	--	--	--	--	--	--	--	--	--	--
6/22/1998	--		8.12	7.49	0	0.63	--	--	--	--	--	--	--	--	--	--	--
12/30/1998	--		8.12	8.21	0	-0.09	--	--	--	--	--	--	--	--	--	--	--
3/9/1999	--		8.12	7.70	0	0.42	1,200	<1.0	<1.0	<1.0	<1.0	2,000	--	--	--	--	--
6/23/1999	--		8.12	8.81	0	-0.69	--	--	--	--	--	--	--	--	--	--	--
9/23/1999	--		8.12	8.32	0	-0.20	--	--	--	--	--	--	--	--	--	--	--
12/28/1999	--		8.12	8.21	0	-0.09	--	--	--	--	--	--	--	--	--	--	--
3/22/2000	--		8.12	6.74	0	1.38	910	<0.50	<0.50	0.54	1.7	3,800	--	--	--	--	--
5/26/2000	--		8.12	5.13	0	2.99	--	--	--	--	--	--	--	--	--	--	--
9/15/2000	--		8.12	8.20	0	-0.08	--	--	--	--	--	--	--	--	--	--	--

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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-4 Cont.																	
12/11/2000	--		8.12	8.31	0	-0.19	--	--	--	--	--	--	--	--	--	--	--
3/29/2001	--	INA	8.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/27/2001	--		8.12	7.57	0	0.55	2,800	19	<2.5	<2.5	<7.5	4,220	--	--	--	--	--
9/19/2001	--		8.12	7.87	0	0.25	2,500	<5.0	<5.0	<5.0	<15	3,340	--	--	--	--	--
12/28/2001	--		8.12	7.80	0	0.32	4,400	<5.0	<5.0	<5.0	<10	5,330	--	--	--	--	--
3/12/2002	--		8.12	4.53	0	3.59	6,400	72	<5.0	<5.0	<10	8,440	--	--	--	--	--
6/13/2002	--		8.12	6.21	0	1.91	1,800	7.5	<5.0	5.0	13	6,870	--	--	--	--	--
9/6/2002	--		8.12	7.78	0	0.34	<2,000	<20	<20	<20	<20	9,600	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	8.12	7.87	0	0.25	5,600	<50	<50	<50	<50	8,600	--	--	--	--	--
2/19/2003	--		8.12	4.84	0	3.28	<10,000	<100	<100	<100	<100	8,000	--	--	--	--	--
6/6/2003	--		8.12	7.98	0	0.14	13,000	<50	<50	<50	<50	6,800	--	--	--	--	--
8/7/2003	--		8.12	7.24	0	0.88	6,200	<50	<50	<50	<50	6,600	--	--	--	--	--
11/20/2003	--		8.12	7.02	0	1.10	10,000	<100	<100	<100	<100	11,000	--	--	--	--	--
4/28/2004	--		8.12	4.81	0	3.31	<25,000	<250	<250	<250	<250	3,600	--	--	--	--	--
8/26/2004	--		8.12	5.65	0	2.47	<2,500	<25	<25	<25	<25	1,800	--	--	--	--	--
12/1/2004	--		8.12	7.34	0	0.78	1,100	<10	<10	<10	<10	450	--	--	--	--	--
2/2/2005	--		8.12	7.61	0	0.51	1,000	<5.0	<5.0	<5.0	<5.0	410	--	--	--	--	--
4/25/2005	--		10.58	7.25	0	3.33	720	8.0	5.3	<5.0	16	170	--	--	--	--	--
9/30/2005	--		10.58	7.72	0	2.86	<2,500	63	58	46	140	110	--	--	--	--	--
12/28/2005	--		10.58	7.48	0	3.10	<2,500	<25	<25	<25	<50	34	--	--	--	--	--
3/23/2006	--		10.58	4.42	0	6.16	<2,500	<25	<25	<25	<50	120	--	--	--	--	--
6/5/2006	--	Well purged dry	10.58	4.97	0	5.61	<5,000	<50	<50	<50	<100	<50	--	--	--	--	--
9/19/2006	--	Well purged dry	10.58	5.45	0	5.13	<5,000	<50	<50	<50	<100	110	--	--	--	--	--
12/1/2006	--	Well purged dry	10.58	5.14	0	5.44	<5,000	<50	<50	<50	<100	68	--	--	--	--	--
3/1/2007	--		10.58	7.60	0	2.98	<5,000	<50	<50	<50	<100	<50	--	--	--	--	--
6/1/2007	--		10.58	5.21	0	5.37	2,700	<25	<25	<25	<50	31	--	--	--	--	--
9/13/2007	--		10.58	6.45	0	4.13	<2,500	<25	<25	<25	<50	<25	--	--	--	--	--
11/21/2007	--		10.58	5.68	0	4.90	<2,500	<25	<25	<25	<50	<25	--	--	--	--	--
2/29/2008	--		10.58	6.44	0	4.14	<5,000	<50	<50	<50	<100	<50	--	--	--	--	--
5/23/2008	--		10.58	6.01	0	4.57	<5,000	<50	<50	<50	<100	<50	--	--	--	--	--
9/26/2008	--		10.58	7.37	0	3.21	370	<1.0	<1.0	<1.0	<1.0	14	--	--	--	--	--

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							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-4 Cont.																	
12/23/2008	--		10.58	6.04	0	4.54	270	<1.0	<1.0	<1.0	<1.0	15	--	--	--	--	--
3/9/2009	--		10.58	5.30	0	5.28	140	<1.0	<1.0	<1.0	<1.0	18	--	--	--	--	--
5/28/2009	--		10.58	7.06	0	3.52	330	<1.0	<1.0	<1.0	<1.0	21	0.41	--	--	--	--
12/10/2009	--	Well purged dry	10.58	6.24	0	4.34	660	<0.50	<0.50	<0.50	<1.0	10	0.49	--	--	--	--
6/29/2010	P	Well purged dry	10.58	6.57	0	4.01	<500	<5.0	<5.0	<5.0	<10	7.3	--	7.43	--	--	--
MW-5																	
10/12/1993	--		7.69	6.01	0	1.68	--	--	--	--	--	--	--	--	--	--	--
10/13/1993	--		7.69	--	--	--	2,300	160	10	<0.50	26	--	--	--	--	--	--
2/15/1994	--		7.69	5.74	0	1.95	5,100	710	16	33	35	153	4.0	--	--	--	--
5/11/1994	--		7.69	5.28	0	2.41	11,000	1,100	39	110	57	165	8.0	--	--	--	--
8/1/1994	--		7.69	5.84	0	1.85	9,000	730	35	61	41	196	2.6	--	--	--	--
10/18/1994	--		7.69	6.01	0	1.68	7,800	330	30	27	27	559	5.6	--	--	--	--
1/13/1995	--		7.69	4.74	0	2.95	<500	290	6.0	<5.0	18	--	6.8	--	--	--	--
4/13/1995	--		7.69	5.50	0	2.19	9,100	400	15	52	27	--	7.4	--	--	--	--
7/11/1995	--		7.69	5.75	0	1.94	7,300	390	13	28	23	--	7.2	--	--	--	--
11/3/1995	--		7.69	6.65	0	1.04	7,200	270	15	38	23	200	8.4	--	--	--	--
2/5/1996	--		7.69	4.83	0	2.86	4,600	370	15	53	28	<50	1.9	--	--	--	--
4/24/1996	--		7.69	6.09	0	1.60	3,000	180	<10	32	14	<100	8.1	--	--	--	--
7/15/1996	--		7.69	6.57	0	1.12	--	--	--	--	--	--	--	--	--	--	--
7/16/1996	--		7.69	--	--	--	<50	190	<10	31	16	<100	8.3	--	--	--	--
7/30/1996	--		7.69	5.61	0	2.08	--	--	--	--	--	--	--	--	--	--	--
8/12/1996	--		7.69	--	--	--	2,000	150	12	25	18	<50	7.6	--	--	--	--
11/4/1996	--		7.69	8.25	0	-0.56	--	--	--	--	--	--	--	--	--	--	--
11/5/1996	--		7.69	--	--	--	5,200	42	5.5	13	<5.0	1,700	7.4	--	--	--	--
5/17/1997	--		7.69	6.95	0	0.74	80	0.56	<1.0	<1.0	<1.0	46	6.7	--	--	--	--
8/11/1997	--		7.69	6.72	0	0.97	2,700	20	12	6.7	9.7	1,900	8.5	--	--	--	--
11/17/1997	--		7.69	9.49	0	-1.80	8,400	25	12	8.7	5.4	13,000	7.9	--	--	--	--
1/29/1998	--		7.69	7.88	0	-0.19	110,000	2,500	110	180	589	180,000	6.8	--	--	--	--
6/22/1998	--		7.69	7.40	0	0.29	4,400	47	10	29	21	47	6.6	--	--	--	--
12/30/1998	--		7.69	6.13	0	1.56	6,000	18	9.1	22	16	63	--	--	--	--	--

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							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-5 Cont.																	
3/9/1999	--		7.69	4.79	0	2.90	4,600	8.8	5.5	12	11	24	--	--	--	--	--
6/23/1999	--		7.69	5.95	0	1.74	3,400	1,500	8.9	54	87	7,500	--	--	--	--	--
9/23/1999	--		7.69	5.43	0	2.26	2,600	510	14	140	650	580	--	--	--	--	--
12/28/1999	--		7.69	5.30	0	2.39	3,500	900	18	57	140	4,800	--	--	--	--	--
3/22/2000	--	INA	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/26/2000	--	INA	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/6/2000	--	INA	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/15/2000	--	INA	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/11/2000	--	INA	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/29/2001	--	INA	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/27/2001	--	INA	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/2001	--	INA	7.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/28/2001	--		7.69	4.65	0	3.04	4,600	20	25	16	57	72	--	--	--	--	--
3/12/2002	--		7.69	5.35	0	2.34	5,100	45	14	22	39	32	--	--	--	--	--
6/13/2002	--		7.69	5.34	0	2.35	2,900	32	<12.5	<12.5	<25	616	--	--	--	--	--
9/6/2002	--		7.69	5.46	0	2.23	3,400	23	5.5	<5.0	11	230	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	7.69	5.47	0	2.22	2,500	12	9.3	4.6	8.8	110	--	--	--	--	--
2/19/2003	--		7.69	5.29	0	2.40	2,800	11	5.4	9.7	12	6.4	--	--	--	--	--
6/6/2003	--		7.69	5.30	0	2.39	3,200	9.1	<5.0	7.6	9.3	<5.0	--	--	--	--	--
8/7/2003	--		7.69	5.33	0	2.36	2,200	7.3	<5.0	<5.0	9.1	18	--	--	--	--	--
11/20/2003	--		7.69	5.39	0	2.30	3,500	12	5.4	6.4	12	12	--	--	--	--	--
4/28/2004	--		7.69	5.53	0	2.16	5,700	7.8	4.2	5.2	11	11	--	--	--	--	--
8/26/2004	--		7.69	5.42	0	2.27	2,400	23	4.0	3.6	11	74	--	--	--	--	--
12/1/2004	--		7.69	5.38	0	2.31	4,300	11	<5.0	5.5	15	<5.0	--	--	--	--	--
2/2/2005	--		7.69	5.48	0	2.21	4,000	8.4	4.8	4.0	10	11	--	--	--	--	--
4/25/2005	--		10.18	5.52	0	4.66	5,200	7.6	4.0	4.3	9.9	12	--	--	--	--	--
9/30/2005	--		10.18	5.04	0	5.14	4,100	5.3	2.7	2.1	8.0	16	--	--	--	--	--
12/28/2005	--		10.18	4.85	0	5.33	7,700	7.7	3.3	2.9	7.1	3.8	--	--	--	--	--
3/23/2006	--		10.18	5.07	0	5.11	5,700	11	3.3	2.4	8.1	8.6	--	--	--	--	--
6/5/2006	--		10.18	5.39	Sheen	4.79	5,900	36	5.0	3.7	15	11	--	--	--	--	--
9/19/2006	--		10.18	4.75	0	5.43	4,600	6.7	<2.5	<2.5	<5.0	12	--	--	--	--	--

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							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-5 Cont.																	
12/1/2006	--		10.18	5.29	0	4.89	4,400	5.0	<2.5	<2.5	5.8	14	--	--	--	--	--
3/1/2007	--		10.18	5.01	0	5.17	6,400	6.2	3.0	<2.5	8.7	<2.5	--	--	--	--	--
6/1/2007	--		10.18	5.34	0	4.84	7,000	3.4	<2.5	<2.5	6.6	11	--	--	--	--	--
9/13/2007	--		10.18	5.11	0	5.07	7,000	3.8	<2.5	<2.5	<5.0	8.5	--	--	--	--	--
11/21/2007	--		10.18	5.34	0	4.84	4,700	<2.5	<2.5	<2.5	<5.0	11	--	--	--	--	--
2/29/2008	--		10.18	5.33	0	4.85	5,100	1.9	1.8	0.93	4.2	<0.50	--	--	--	--	--
5/23/2008	--		10.18	5.38	0	4.80	4,600	<2.5	<2.5	<2.5	<5.0	3.9	--	--	--	--	--
9/26/2008	--		10.18	5.26	0	4.92	3,400	1.5	<1.0	<1.0	2.2	2.8	--	--	--	--	--
12/23/2008	--		10.18	5.04	0	5.14	3,300	2.7	1.1	<1.0	3.4	1.0	--	--	--	--	--
3/9/2009	--		10.18	4.79	0	5.39	4,300	1.9	1.8	<1.0	4.0	<1.0	--	--	--	--	--
5/28/2009	--		10.18	5.21	0	4.97	4,400	<1.0	<1.0	<1.0	1.8	<1.0	2.15	--	--	--	--
12/10/2009	--	INA, Need traffic control	10.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/29/2010	--	INA, Need traffic control	10.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6																	
10/12/1993	--		8.52	6.59	0	1.93	63	<0.50	<0.50	<0.50	<0.50	44	--	--	--	--	--
2/15/1994	--		8.52	6.31	0	2.21	68	<0.50	<0.50	<0.50	<0.50	38	3.1	--	--	--	--
5/11/1994	--		8.52	6.15	0	2.37	68	<0.50	<0.50	<0.50	<0.50	49	8.7	--	--	--	--
8/1/1994	--		8.52	6.46	0	2.06	91	<0.50	<0.50	<0.50	0.60	60	2.4	--	--	--	--
10/18/1994	--		8.52	6.72	0	1.80	<50	<0.50	<0.50	<0.50	<0.50	85	6.0	--	--	--	--
1/13/1995	--		8.52	5.95	0	2.57	<50	<0.50	<0.50	<0.50	<1.0	--	7.0	--	--	--	--
4/13/1995	--		8.52	5.44	0	3.08	<50	<0.50	<0.50	<0.50	<1.0	--	8.5	--	--	--	--
7/11/1995	--		8.52	5.68	0	2.84	<50	<0.50	<0.50	<0.50	<1.0	--	8.4	--	--	--	--
11/2/1995	--		8.52	6.57	0	1.95	<50	<0.50	<0.50	<0.50	<1.0	35	8.3	--	--	--	--
2/5/1996	--		8.52	6.27	0	2.25	<50	<5.0	<10	<10	<10	<100	2.2	--	--	--	--
4/24/1996	--		8.52	5.95	0	2.57	<250	<2.5	<5.0	<5.0	<5.0	62	8.0	--	--	--	--
7/15/1996	--		8.52	6.39	0	2.13	<250	<2.5	<5.0	<5.0	<5.0	<50	8.0	--	--	--	--
7/30/1996	--		8.52	6.44	0	2.08	--	--	--	--	--	--	--	--	--	--	--
11/4/1996	--		8.52	8.05	0	0.47	--	--	--	--	--	--	--	--	--	--	--
11/5/1996	--		8.52	--	--	--	<50	<0.50	<1.0	<1.0	<1.0	<10	7.3	--	--	--	--
5/17/1997	--		8.52	6.75	0	1.77	--	--	--	--	--	--	--	--	--	--	--

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, 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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-6 Cont.																	
8/11/1997	--		8.52	6.48	0	2.04	--	--	--	--	--	--	--	--	--	--	--
11/17/1997	--		8.52	9.27	0	-0.75	<50	<0.50	<1.0	<1.0	<1.0	<10	7.7	--	--	--	--
1/29/1998	--		8.52	7.98	0	0.54	--	--	--	--	--	--	--	--	--	--	--
6/22/1998	--		8.52	7.68	0	0.84	--	--	--	--	--	--	--	--	--	--	--
12/30/1998	--		8.52	6.98	0	1.54	--	--	--	--	--	--	--	--	--	--	--
3/9/1999	--		8.52	5.90	0	2.62	--	--	--	--	--	--	--	--	--	--	--
6/23/1999	--		8.52	6.93	0	1.59	--	--	--	--	--	--	--	--	--	--	--
9/23/1999	--		8.52	6.45	0	2.07	--	--	--	--	--	--	--	--	--	--	--
12/28/1999	--		8.52	6.33	0	2.19	--	--	--	--	--	--	--	--	--	--	--
3/22/2000	--		8.52	5.15	0	3.37	--	--	--	--	--	--	--	--	--	--	--
5/26/2000	--		8.52	5.72	0	2.80	--	--	--	--	--	--	--	--	--	--	--
9/15/2000	--		8.52	6.02	0	2.50	--	--	--	--	--	--	--	--	--	--	--
12/11/2000	--		8.52	6.20	0	2.32	--	--	--	--	--	--	--	--	--	--	--
3/29/2001	--		8.52	5.34	0	3.18	750	<2.5	2.9	<2.5	12	820	--	--	--	--	--
6/27/2001	--		8.52	6.00	0	2.52	760	33	<2.5	<2.5	<7.5	968	--	--	--	--	--
9/19/2001	--		8.52	6.22	0	2.30	<500	<5.0	<5.0	<5.0	<15	879	--	--	--	--	--
12/28/2001	--	NS	8.52	4.71	0	3.81	--	--	--	--	--	--	--	--	--	--	--
3/12/2002	--		8.52	4.96	0	3.56	<500	<5.0	<5.0	<5.0	<10	244	--	--	--	--	--
6/13/2002	--		8.52	5.78	0	2.74	<250	<2.5	<2.5	<2.5	<5.0	413	--	--	--	--	--
9/6/2002	--		8.52	6.14	0	2.38	130	<0.50	<0.50	<0.50	<0.50	240	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	8.52	6.05	0	2.47	140	<1.0	<1.0	<1.0	<1.0	200	--	--	--	--	--
2/19/2003	--		8.52	5.40	0	3.12	<500	<5.0	<5.0	<5.0	<5.0	150	--	--	--	--	--
6/6/2003	--		8.52	5.54	0	2.98	1,100	<5.0	<5.0	<5.0	<5.0	140	--	--	--	--	--
8/7/2003	--		8.52	5.94	0	2.58	<500	<5.0	<5.0	<5.0	<5.0	160	--	--	--	--	--
11/20/2003	--		8.52	5.85	0	2.67	95	<0.50	<0.50	<0.50	<0.50	74	--	--	--	--	--
4/28/2004	--		8.52	5.45	0	3.07	<250	<2.5	<2.5	<2.5	<2.5	120	--	--	--	--	--
8/26/2004	--		8.52	6.06	0	2.46	<250	<2.5	<2.5	<2.5	<2.5	110	--	--	--	--	--
12/1/2004	--		8.52	6.19	0	2.33	<250	<2.5	<2.5	<2.5	<2.5	86	--	--	--	--	--
2/2/2005	--		8.52	5.20	0	3.32	55	<0.50	<0.50	<0.50	<0.50	41	--	--	--	--	--
4/25/2005	--		11.01	5.22	0	5.79	64	<0.50	<0.50	<0.50	<0.50	50	--	--	--	--	--
9/30/2005	--	b (GRO)	11.01	5.93	0	5.08	200	<2.0	<2.0	<2.0	<4	51	--	--	--	--	--

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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-6 Cont.																	
12/28/2005	--		11.01	5.49	0	5.52	<50	<0.50	<0.50	<0.50	<1.0	16	--	--	--	--	--
3/23/2006	--		11.01	4.59	0	6.42	<50	<0.50	<0.50	<0.50	<1.0	5.6	--	--	--	--	--
6/5/2006	--		11.01	5.38	0	5.63	<50	<0.50	0.54	<0.50	<1.0	14	--	--	--	--	--
9/19/2006	--		11.01	5.93	0	5.08	<50	<0.50	<0.50	<0.50	<1.0	8.8	--	--	--	--	--
12/1/2006	--		11.01	6.28	0	4.73	<50	<0.50	<0.50	<0.50	<1.0	5.9	--	--	--	--	--
3/1/2007	--		11.01	5.72	0	5.29	<50	<0.50	<0.50	<0.50	<1.0	6.0	--	--	--	--	--
6/1/2007	--		11.01	6.22	0	4.79	<50	<0.50	<0.50	<0.50	<1.0	7.4	--	--	--	--	--
9/13/2007	--		11.01	6.57	0	4.44	63	<0.50	<0.50	<0.50	<1.0	6.7	--	--	--	--	--
11/21/2007	--		11.01	6.67	0	4.34	<50	<0.50	<0.50	<0.50	<1.0	8.4	--	--	--	--	--
2/29/2008	--		11.01	5.80	0	5.21	<50	<0.50	<0.50	<0.50	<1.0	7.1	--	--	--	--	--
5/23/2008	--		11.01	6.53	0	4.48	<50	<0.50	<0.50	<0.50	<1.0	8.4	--	--	--	--	--
9/26/2008	--		11.01	6.86	0	4.15	<50	<1.0	<1.0	<1.0	<1.0	5.1	--	--	--	--	--
12/23/2008	--		11.01	6.90	0	4.11	<50	<1.0	<1.0	<1.0	<1.0	5.3	--	--	--	--	--
3/9/2009	--		11.01	6.00	0	5.01	<50	<1.0	<1.0	<1.0	<1.0	3.5	--	--	--	--	--
5/28/2009	--		11.01	6.19	0	4.82	<50	<1.0	<1.0	<1.0	<1.0	6.6	2.77	--	--	--	--
12/10/2009	--		11.01	6.15	0	4.86	<50	<0.50	<0.50	<0.50	<1.0	2.0	0.60	--	--	--	--
6/29/2010	P		11.01	6.18	0	4.83	<50	<0.50	<0.50	<0.50	<1.0	2.7	0.57	7.20	--	--	--
MW-7																	
10/12/1993	--		7.61	6.14	0	1.47	<50	<0.50	<0.50	<0.50	0.70	<5.0	--	--	--	--	--
2/15/1994	--		7.61	5.88	0	1.73	78	<0.50	<0.50	<0.50	0.60	<5.0	4.0	--	--	--	--
5/11/1994	--		7.61	5.76	0	1.85	70	<0.50	<0.50	<0.50	0.90	12	9.1	--	--	--	--
8/1/1994	--		7.61	5.97	0	1.64	77	<0.50	<0.50	<0.50	0.50	182	2.5	--	--	--	--
10/18/1994	--		7.61	6.24	0	1.37	<50	<0.50	<0.50	<0.50	<0.50	52	6.3	--	--	--	--
1/13/1995	--		7.61	5.39	0	2.22	<50	<0.50	<0.50	<0.50	<1.0	--	8.2	--	--	--	--
4/13/1995	--		7.61	5.17	0	2.44	63	<0.50	<0.50	<0.50	1.4	--	8.4	--	--	--	--
7/11/1995	--		7.61	5.25	0	2.36	<50	<0.50	<0.50	<0.50	<1.0	--	7.9	--	--	--	--
11/2/1995	--		7.61	6.19	0	1.42	<50	<0.50	<0.50	<0.50	<1.0	55	8.0	--	--	--	--
2/5/1996	--		7.61	5.69	0	1.92	<50	<0.50	<1.0	<1.0	<1.0	40	1.9	--	--	--	--
4/24/1996	--		7.61	5.59	0	2.02	<250	<2.5	<5.0	<5.0	<5.0	53	8.2	--	--	--	--
7/15/1996	--		7.61	6.07	0	1.54	<250	<2.5	<5.0	<5.0	<5.0	<50	7.8	--	--	--	--

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							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-7 Cont.																	
7/30/1996	--		7.61	6.04	0	1.57	--	--	--	--	--	--	--	--	--	--	--
11/4/1996	--		7.61	7.76	0	-0.15	--	--	--	--	--	--	--	--	--	--	--
11/5/1996	--		7.61	--	--	--	<50	<0.50	<1.0	<1.0	<1.0	<10	7.8	--	--	--	--
5/17/1997	--		7.61	6.42	0	1.19	--	--	--	--	--	--	--	--	--	--	--
8/11/1997	--		7.61	6.06	0	1.55	--	--	--	--	--	--	--	--	--	--	--
11/17/1997	--		7.61	9.07	0	-1.46	<50	<0.50	<1.0	<1.0	<1.0	<10	7.1	--	--	--	--
1/29/1998	--		7.61	7.44	0	0.17	--	--	--	--	--	--	--	--	--	--	--
6/22/1998	--		7.61	7.39	0	0.22	--	--	--	--	--	--	--	--	--	--	--
12/30/1998	--		7.61	5.51	0	2.10	--	--	--	--	--	--	--	--	--	--	--
3/9/1999	--		7.61	5.57	0	2.04	--	--	--	--	--	--	--	--	--	--	--
6/23/1999	--		7.61	6.69	0	0.92	--	--	--	--	--	--	--	--	--	--	--
9/23/1999	--		7.61	6.23	0	1.38	--	--	--	--	--	--	--	--	--	--	--
12/28/1999	--		7.61	6.08	0	1.53	--	--	--	--	--	--	--	--	--	--	--
3/22/2000	--		7.61	4.88	0	2.73	--	--	--	--	--	--	--	--	--	--	--
5/26/2000	--		7.61	5.42	0	2.19	--	--	--	--	--	--	--	--	--	--	--
9/15/2000	--		7.61	5.79	0	1.82	--	--	--	--	--	--	--	--	--	--	--
12/11/2000	--		7.61	5.93	0	1.68	--	--	--	--	--	--	--	--	--	--	--
3/29/2001	--		7.61	5.24	0	2.37	600	<2.5	<2.5	<2.5	<7.5	636	--	--	--	--	--
6/27/2001	--		7.61	5.69	0	1.92	590	<2.5	<2.5	<2.5	<7.5	739	--	--	--	--	--
9/19/2001	--		7.61	5.89	0	1.72	560	<5.0	<5.0	<5.0	<15	1,190	--	--	--	--	--
12/28/2001	--		7.61	4.53	0	3.08	910	23	<2.5	<2.5	<5.0	856	--	--	--	--	--
3/12/2002	--		7.61	4.71	0	2.90	620	<2.5	<2.5	<2.5	<5.0	675	--	--	--	--	--
6/13/2002	--		7.61	5.21	0	2.40	860	<2.5	<2.5	<2.5	<5.0	1,470	--	--	--	--	--
9/6/2002	--		7.61	5.77	0	1.84	350	<2.5	<2.5	<2.5	<2.5	690	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	7.61	5.65	0	1.96	1,300	<10	<10	<10	<10	1,800	--	--	--	--	--
2/19/2003	--		7.61	5.07	0	2.54	1,700	<10	<10	<10	<10	1,600	--	--	--	--	--
6/6/2003	--		7.61	5.27	0	2.34	1,000	<5.0	<5.0	<5.0	<5.0	510	--	--	--	--	--
8/7/2003	--		7.61	5.52	0	2.09	510	<5.0	<5.0	<5.0	<5.0	520	--	--	--	--	--
11/20/2003	--		7.61	5.79	0	1.82	330	<2.5	<2.5	<2.5	<2.5	270	--	--	--	--	--
4/28/2004	--		7.61	5.20	0	2.41	<250	<2.5	<2.5	<2.5	<2.5	71	--	--	--	--	--
8/26/2004	--		7.61	5.65	0	1.96	450	<2.5	<2.5	<2.5	2.8	150	--	--	--	--	--

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							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-7 Cont.																	
12/1/2004	--		7.61	5.79	0	1.82	100	<1.0	<1.0	<1.0	<1.0	25	--	--	--	--	--
2/2/2005	--		7.61	4.92	0	2.69	81	<0.50	<0.50	<0.50	<0.50	31	--	--	--	--	--
4/25/2005	--		10.11	4.88	0	5.23	67	<0.50	<0.50	<0.50	0.64	41	--	--	--	--	--
9/30/2005	--	b (GRO)	10.11	5.62	0	4.49	58	<0.50	<0.50	<0.50	<1.0	18	--	--	--	--	--
12/28/2005	--		10.11	4.93	0	5.18	<500	<5.0	<5.0	<5.0	<10	7.4	--	--	--	--	--
3/23/2006	--		10.11	4.63	0	5.48	71	<0.50	<0.50	<0.50	<1.0	25	--	--	--	--	--
6/5/2006	--		10.11	5.08	0	5.03	57	<0.50	<0.50	<0.50	<1.0	14	--	--	--	--	--
9/19/2006	--		10.11	5.60	0	4.51	<50	<0.50	<0.50	<0.50	<1.0	14	--	--	--	--	--
12/1/2006	--		10.11	6.00	0	4.11	<250	<2.5	<2.5	<2.5	<5.0	6.7	--	--	--	--	--
3/1/2007	--		10.11	5.69	0	4.42	<250	<2.5	<2.5	<2.5	<5.0	4.0	--	--	--	--	--
6/1/2007	--		10.11	5.97	0	4.14	120	<0.50	<0.50	<0.50	<1.0	7.5	--	--	--	--	--
9/13/2007	--		10.11	6.31	0	3.80	<50	<0.50	<0.50	<0.50	<1.0	10	--	--	--	--	--
11/21/2007	--		10.11	6.39	0	3.72	55	<0.50	<0.50	<0.50	<1.0	8.4	--	--	--	--	--
2/29/2008	--		10.11	5.78	0	4.33	<50	<0.50	<0.50	<0.50	<1.0	6.2	--	--	--	--	--
5/23/2008	--		10.11	6.27	0	3.84	53	<0.50	<0.50	<0.50	<1.0	9.6	--	--	--	--	--
9/26/2008	--		10.11	6.52	0	3.59	<50	<1.0	<1.0	<1.0	<1.0	7.5	--	--	--	--	--
12/23/2008	--		10.11	6.40	0	3.71	59	<1.0	<1.0	<1.0	<1.0	5.7	--	--	--	--	--
3/9/2009	--		10.11	5.65	0	4.46	<50	<1.0	<1.0	<1.0	<1.0	4.4	--	--	--	--	--
5/28/2009	--		10.11	5.91	0	4.20	<50	<1.0	<1.0	<1.0	<1.0	5.7	1.77	--	--	--	--
12/10/2009	--		10.11	5.88	0	4.23	62	<0.50	<0.50	<0.50	<1.0	6.5	0.56	--	--	--	--
6/29/2010	P		10.11	5.48	0	4.63	<50	<0.50	<0.50	<0.50	<1.0	3.0	0.63	7.32	--	--	--
MW-8																	
10/12/1993	--		8.60	5.86	0	2.74	<50	<0.50	<0.50	<0.50	<0.50	11	--	--	--	--	--
2/15/1994	--		8.60	5.50	0	3.10	380	<0.50	<0.50	<0.50	<0.50	<5.0	3.3	--	--	--	--
5/11/1994	--		8.60	5.09	0	3.51	330	<0.50	1.2	<0.50	1.9	<5.0	8.5	--	--	--	--
8/1/1994	--		8.60	5.20	0	3.40	260	<0.50	1.2	2.9	5.8	<5.0	2.3	--	--	--	--
10/18/1994	--		8.60	5.70	0	2.90	82	<0.50	<0.50	<0.50	<0.50	<5.0	6.4	--	--	--	--
1/13/1995	--		8.60	4.96	0	3.64	<50	<0.50	<0.50	<0.50	<1.0	--	6.9	--	--	--	--
4/13/1995	--		8.60	5.40	0	3.20	270	<0.50	<0.50	<0.50	4.4	--	8.4	--	--	--	--
7/11/1995	--		8.60	6.01	0	2.59	320	<0.50	<0.50	<0.50	3.5	--	8.0	--	--	--	--

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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-8 Cont.																	
11/2/1995	--		8.60	6.81	0	1.79	100	<0.50	<0.50	<0.50	<1.0	<5.0	8.7	--	--	--	--
2/5/1996	--		8.60	6.12	0	2.48	<50	<5.0	<10	<10	<10	<100	1.5	--	--	--	--
4/24/1996	--		8.60	6.23	0	2.37	<50	<5.0	<10	<10	<10	<100	8.7	--	--	--	--
7/15/1996	--		8.60	6.70	0	1.90	<250	<2.5	<5.0	<5.0	<5.0	<50	8.4	--	--	--	--
7/30/1996	--		8.60	6.64	0	1.96	--	--	--	--	--	--	--	--	--	--	--
11/4/1996	--		8.60	8.36	0	0.24	--	--	--	--	--	--	--	--	--	--	--
11/5/1996	--		8.60	--	--	--	<50	<0.50	<1.0	<1.0	<1.0	<10	7.2	--	--	--	--
5/17/1997	--		8.60	7.03	0	1.57	--	--	--	--	--	--	--	--	--	--	--
8/11/1997	--		8.60	6.05	0	2.55	--	--	--	--	--	--	--	--	--	--	--
11/17/1997	--		8.60	9.14	0	-0.54	<50	<0.50	<1.0	<1.0	<1.0	<10	7.7	--	--	--	--
1/29/1998	--		8.60	7.90	0	0.70	--	--	--	--	--	--	--	--	--	--	--
6/22/1998	--		8.60	7.72	0	0.88	--	--	--	--	--	--	--	--	--	--	--
12/30/1998	--	INA	8.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/9/1999	--	INA	8.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1999	--		8.60	4.70	0	3.90	--	--	--	--	--	--	--	--	--	--	--
9/23/1999	--		8.60	4.22	0	4.38	--	--	--	--	--	--	--	--	--	--	--
12/28/1999	--		8.60	4.12	0	4.48	--	--	--	--	--	--	--	--	--	--	--
3/22/2000	--		8.60	4.71	0	3.89	--	--	--	--	--	--	--	--	--	--	--
5/26/2000	--		8.60	4.98	0	3.62	--	--	--	--	--	--	--	--	--	--	--
9/15/2000	--		8.60	4.62	0	3.98	--	--	--	--	--	--	--	--	--	--	--
12/11/2000	--		8.60	4.77	0	3.83	--	--	--	--	--	--	--	--	--	--	--
3/29/2001	--	INA	8.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/27/2001	--		8.60	5.11	0	3.49	570	<2.5	<2.5	2.6	<7.5	3.4	--	--	--	--	--
9/19/2001	--		8.60	5.00	0	3.60	<500	<5.0	<5.0	<5.0	<15	<5.0	--	--	--	--	--
12/28/2001	--		8.60	4.15	0	4.45	440	<0.50	<0.50	0.98	<1.0	6.3	--	--	--	--	--
3/12/2002	--		8.60	4.35	0	4.25	330	<2.5	<2.5	<2.5	<5.0	8.7	--	--	--	--	--
6/13/2002	--		8.60	5.09	0	3.51	<500	<5.0	<5.0	<5.0	<10	16	--	--	--	--	--
9/6/2002	--		8.60	5.18	0	3.42	98	<0.50	<0.50	<0.50	<0.50	76	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	8.60	4.84	0	3.76	120	<0.50	<0.50	0.94	0.52	140	--	--	--	--	--
2/19/2003	--		8.60	4.45	0	4.15	<2,500	<25	<25	<25	<25	800	--	--	--	--	--
6/6/2003	--		8.60	5.00	0	3.60	<50,000	<500	<500	<500	<500	17,000	--	--	--	--	--

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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-8 Cont.																	
8/7/2003	--		8.60	4.84	0	3.76	<2,500	<25	<25	<25	<25	2,400	--	--	--	--	--
11/20/2003	--		8.60	4.48	0	4.12	<2,500	<25	<25	<25	<25	1,400	--	--	--	--	--
4/28/2004	--		8.60	9.66	0	-1.06	730	<2.5	<2.5	<2.5	<2.5	170	--	--	--	--	--
8/26/2004	--		8.60	4.73	0	3.87	<2,500	<25	<25	<25	<25	170	--	--	--	--	--
12/1/2004	--		8.60	4.80	0	3.80	<250	<2.5	<2.5	<2.5	<2.5	36	--	--	--	--	--
2/2/2005	--		8.60	4.50	0	4.10	810	<0.50	<0.50	<0.50	<0.50	41	--	--	--	--	--
4/25/2005	--		11.08	4.99	0	6.09	1,400	<12	<12	<12	<12	32	--	--	--	--	--
9/30/2005	--		11.08	4.89	0	6.19	840	<5.0	<5.0	<5.0	<10	17	--	--	--	--	--
12/28/2005	--		11.08	4.81	0	6.27	<250	<2.5	<2.5	<2.5	<5.0	17	--	--	--	--	--
3/23/2006	--		11.08	4.22	0	6.86	660	<2.5	<2.5	<2.5	<5.0	21	--	--	--	--	--
6/5/2006	--		11.08	4.63	0	6.45	<2,500	<25	<25	<25	<50	30	--	--	--	--	--
9/19/2006	--	Well purged dry	11.08	4.82	0	6.26	<500	<5.0	<5.0	<5.0	<10	17	--	--	--	--	--
12/1/2006	--		11.08	4.83	0	6.25	350	<2.5	<2.5	<2.5	<5.0	16	--	--	--	--	--
3/1/2007	--		11.08	4.43	0	6.65	<500	<5.0	<5.0	<5.0	<10	20	--	--	--	--	--
6/1/2007	--		11.08	4.74	0	6.34	<500	<5.0	<5.0	<5.0	<10	8.7	--	--	--	--	--
9/13/2007	--		11.08	5.25	0	5.83	230	<0.50	<0.50	<0.50	<1.0	9.4	--	--	--	--	--
11/21/2007	--		11.08	5.13	0	5.95	350	<0.50	<0.50	<0.50	<1.0	8.7	--	--	--	--	--
2/29/2008	--		11.08	4.75	0	6.33	<1,000	<10	<10	<10	<20	16	--	--	--	--	--
5/23/2008	--		11.08	5.01	0	6.07	<1,000	<10	<10	<10	<20	15	--	--	--	--	--
9/26/2008	--		11.08	5.43	0	5.65	190	<1.0	<1.0	<1.0	<1.0	14	--	--	--	--	--
12/23/2008	--		11.08	5.25	0	5.83	270	<1.0	<1.0	<1.0	<1.0	10	--	--	--	--	--
3/9/2009	--		11.08	4.36	0	6.72	210	<1.0	<1.0	<1.0	<1.0	15	--	--	--	--	--
5/28/2009	--		11.08	4.98	0	6.10	270	<1.0	<1.0	<1.0	<1.0	6.5	2.14	--	--	--	--
12/10/2009	--		11.08	5.06	0	6.02	90	<0.50	<0.50	<0.50	<1.0	9.0	0.47	--	--	--	--
6/29/2010	P		11.08	4.71	0	6.37	170	<0.50	<0.50	<0.50	<1.0	10	0.38	6.94	--	--	--
MW-9																	
10/12/1993	--		8.08	5.66	0.08	2.48	--	--	--	--	--	--	--	--	--	--	--
2/15/1994	--		8.08	5.32	0.05	2.80	--	--	--	--	--	--	--	--	--	--	--
5/11/1994	--		8.08	5.57	0	2.51	--	--	--	--	--	--	--	--	--	--	--
8/1/1994	--		8.08	6.25	0	1.83	--	--	--	--	--	--	--	--	--	--	--

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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-9 Cont.																	
10/18/1994	--		8.08	5.59	0.13	2.59	--	--	--	--	--	--	--	--	--	--	--
1/13/1995	--		8.08	4.42	0.14	3.77	--	--	--	--	--	--	--	--	--	--	--
4/13/1995	--		8.08	4.06	0.11	4.10	--	--	--	--	--	--	--	--	--	--	--
7/11/1995	--		8.08	4.21	0.08	3.93	--	--	--	--	--	--	--	--	--	--	--
11/2/1995	--		8.08	5.22	0.05	2.90	--	--	--	--	--	--	--	--	--	--	--
2/5/1996	--		8.08	4.76	0.01	3.33	--	--	--	--	--	--	--	--	--	--	--
4/24/1996	--		8.08	4.62	0.09	3.53	--	--	--	--	--	--	--	--	--	--	--
7/15/1996	--		8.08	5.11	0.04	3.00	--	--	--	--	--	--	--	--	--	--	--
7/30/1996	--		8.08	5.15	0	2.93	--	--	--	--	--	--	--	--	--	--	--
11/4/1996	--		8.08	6.75	0.01	1.34	--	--	--	--	--	--	--	--	--	--	--
5/17/1997	--		8.08	5.42	0	2.66	97,000	16,000	7,700	2,300	18,400	40,000	7.0	--	--	--	--
5/17/1997	--	DUP	8.08	--	--	--	97,000	16,000	8,200	2,300	17,300	39,000	--	--	--	--	--
8/11/1997	--		8.08	5.37	0	2.71	71,000	12,000	340	2,100	4,300	26,000	9.1	--	--	--	--
8/11/1997	--	DUP	8.08	--	--	--	100,000	14,000	360	3,200	5,790	27,000	--	--	--	--	--
11/17/1997	--		8.08	5.62	Sheen	2.46	100,000	22,000	4,800	3,100	17,900	32,000	8.3	--	--	--	--
11/17/1997	--	DUP	8.08	--	--	--	100,000	24,000	5,300	3,500	19,300	35,000	--	--	--	--	--
1/29/1998	--	DUP	8.08	--	--	--	250,000	20,000	20,000	3,100	18,400	110,000	--	--	--	--	--
1/29/1998	--		8.08	4.07	Sheen	4.01	250,000	20,000	21,000	3,100	18,500	110,000	6.6	--	--	--	--
6/22/1998	--		8.08	4.28	0	3.80	280,000	21,000	18,000	3,800	21,200	110,000	5.8	--	--	--	--
6/22/1998	--	DUP	8.08	--	--	--	290,000	20,000	17,000	3,800	21,200	110,000	--	--	--	--	--
12/30/1998	--		8.08	4.95	0	3.13	150,000	10,000	3,800	2,000	9,600	86,000	--	--	--	--	--
3/9/1999	--		8.08	3.95	0	4.13	82,000	6,800	570	1,400	4,700	100,000	--	--	--	--	--
6/23/1999	--		8.08	5.12	0	2.96	41,000	11,000	820	2,300	5,200	92,000	--	--	--	--	--
9/23/1999	--		8.08	4.74	0	3.34	57,000	12,000	5,400	1,900	9,500	89,000	--	--	--	--	--
12/28/1999	--		8.08	4.58	0	3.50	46,000	15,000	490	2,500	3,500	100,000	--	--	--	--	--
3/22/2000	--		8.08	3.90	0	4.18	86,000	18,000	1,800	2,300	6,800	120,000	--	--	--	--	--
5/26/2000	--		8.08	4.15	0	3.93	82,000	17,000	680	1,800	3,800	100,000	--	--	--	--	--
9/6/2000	--		8.08	4.47	0	3.61	100,000	19,000	280	2,400	6,400	84,000	--	--	--	--	--
9/15/2000	--		8.08	4.34	0	3.74	--	--	--	--	--	--	--	--	--	--	--
12/11/2000	--		8.08	4.41	0	3.67	110,000	14,400	768	2,610	6,670	123,000	--	--	--	--	--
3/29/2001	--	INA	8.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-9 Cont.																	
6/26/2001	--	GW Elev. Estimated	8.08	5.03	0.13	3.15	--	--	--	--	--	--	--	--	--	--	--
9/19/2001	--		8.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/28/2001	--		8.08	3.73	0	4.35	110,000	15,000	1,500	2,280	5,530	60,900	--	--	--	--	--
3/12/2002	--		8.08	4.93	0	3.15	88,000	12,500	2,600	2,800	8,950	44,000	--	--	--	--	--
6/13/2002	--		8.08	4.13	0	3.95	59,000	9,870	161	2,560	5,560	35,600	--	--	--	--	--
9/6/2002	--		8.08	4.39	0	3.69	47,000	10,000	<100	2,100	4,600	31,000	--	--	--	--	--
12/13/2002	--	EPA 8015B/8021B used	8.08	3.97	0	4.11	57,000	11,000	1,000	2,300	5,800	28,000	--	--	--	--	--
2/19/2003	--		8.08	3.25	0	4.83	76,000	10,000	2,100	3,000	8,900	11,000	--	--	--	--	--
6/6/2003	--		8.08	3.94	0	4.14	66,000	9,000	<500	2,500	4,400	17,000	--	--	--	--	--
8/7/2003	--		8.08	3.92	Sheen	4.16	53,000	7,600	<250	2,600	4,700	17,000	--	--	--	--	--
11/20/2003	--		8.08	4.89	0	3.19	40,000	6,800	<250	860	1,100	16,000	--	--	--	--	--
4/28/2004	--		8.08	3.19	Sheen	4.89	47,000	5,600	690	2,300	6,800	8,500	--	--	--	--	--
8/26/2004	--	Past holding time (TBA)	8.08	3.61	0	4.47	35,000	3,700	500	1,300	5,300	6,500	--	--	--	--	--
12/1/2004	--		8.08	3.99	0	4.09	36,000	3,500	<250	1,200	4,300	8,300	--	--	--	--	--
2/2/2005	--		8.08	3.71	Sheen	4.37	21,000	1,800	130	670	2,000	3,600	--	--	--	--	--
4/25/2005	--		10.55	3.31	Sheen	7.24	5,900	190	<5.0	120	77	540	--	--	--	--	--
9/30/2005	--		10.55	4.02	0	6.53	26,000	2,400	360	1,600	4,200	2,400	--	--	--	--	--
12/28/2005	--		10.55	2.99	0	7.56	14,000	1,400	22	350	450	2,200	--	--	--	--	--
3/23/2006	--		10.55	2.50	0	8.05	4,100	250	<10	130	110	330	--	--	--	--	--
6/5/2006	--	Well purged dry	10.55	3.34	0	7.21	8,200	2,200	79	500	1,200	1,800	--	--	--	--	--
9/19/2006	--	Well purged dry	10.55	4.06	0	6.49	9,000	2,600	15	440	370	3,100	--	--	--	--	--
12/1/2006	--	Well purged dry	10.55	3.88	0	6.67	5,400	1,600	15	310	140	1,400	--	--	--	--	--
3/1/2007	--		10.55	2.79	0	7.76	6,300	250	<13	270	75	240	--	--	--	--	--
6/1/2007	--		10.55	3.53	0	7.02	6,500	980	16	250	95	1,800	--	--	--	--	--
9/13/2007	--		10.55	4.78	0	5.77	4,500	170	14	79	27	640	--	--	--	--	--
11/21/2007	--		10.55	4.41	0	6.14	4,600	790	<13	97	34	2,000	--	--	--	--	--
2/29/2008	--		10.55	3.41	0	7.14	6,800	700	19	250	98	1,100	--	--	--	--	--
5/23/2008	--		10.55	4.53	0	6.02	5,300	390	22	130	68	1,200	--	--	--	--	--
9/26/2008	--		10.55	5.07	0	5.48	10,000	94	11	26	35	280	--	--	--	--	--
12/23/2008	--		10.55	4.04	0	6.51	2,600	420	7.9	110	84	870	--	--	--	--	--
3/9/2009	--		10.55	3.45	0	7.10	3,400	45	2.2	51	18	180	--	--	--	--	--

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, 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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-9 Cont.																	
5/28/2009	--		10.55	4.17	0	6.38	4,400	420	14	270	170	720	0.94	--	--	--	--
12/10/2009	--		10.55	4.11	Sheen	6.44	4400	240	7.9	17	19	780	--	--	--	--	--
6/29/2010	P		10.55	4.30	0	6.25	4,200	680	15	110	130	1,200	0.37	6.98	--	--	--
MW-10																	
4/25/2005	--		12.53	8.37	0	4.16	<50	<0.50	<0.50	<0.50	<0.50	1.5	--	--	--	--	--
9/30/2005	--		12.53	8.41	0	4.12	<50	<0.50	<0.50	<0.50	<1.0	1.5	--	--	--	--	--
12/28/2005	--		12.53	7.78	0	4.75	<50	<0.50	<0.50	<0.50	<1.0	0.78	--	--	--	--	--
3/23/2006	--		12.53	7.77	0	4.76	<50	<0.50	<0.50	<0.50	<1.0	0.67	--	--	--	--	--
6/5/2006	--		12.53	8.38	0	4.15	<50	<0.50	<0.50	<0.50	<1.0	1.8	--	--	--	--	--
9/19/2006	--		12.53	7.99	0	4.54	<50	<0.50	<0.50	<0.50	<1.0	0.59	--	--	--	--	--
12/1/2006	--	Well purged dry	12.53	5.47	0	7.06	<50	<0.50	<0.50	<0.50	<1.0	0.89	--	--	--	--	--
3/1/2007	--		12.53	7.92	0	4.61	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
6/1/2007	--		12.53	8.55	0	3.98	<50	<0.50	<0.50	<0.50	<1.0	1.2	--	--	--	--	--
9/13/2007	--		12.53	8.71	0	3.82	<50	<0.50	<0.50	<0.50	<1.0	0.94	--	--	--	--	--
11/21/2007	--		12.53	8.84	0	3.69	<50	<0.50	<0.50	<0.50	<1.0	2.2	--	--	--	--	--
2/29/2008	--		12.53	8.20	0	4.33	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
5/23/2008	--		12.53	8.49	0	4.04	<50	<0.50	<0.50	<0.50	<1.0	2.2	--	--	--	--	--
9/26/2008	--		12.53	9.91	0	2.62	<50	<1.0	<1.0	<1.0	<1.0	3.0	--	--	--	--	--
12/23/2008	--		12.53	8.60	0	3.93	<50	<1.0	<1.0	<1.0	<1.0	2.7	--	--	--	--	--
3/9/2009	--		12.53	7.68	0	4.85	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
5/28/2009	--		12.53	8.71	0	3.82	<50	<1.0	<1.0	<1.0	<1.0	1.3	2.76	--	--	--	--
12/10/2009	--		12.53	8.35	0	4.18	<50	<0.50	<0.50	<0.50	<1.0	1.5	1.81	--	--	--	--
6/29/2010	P		12.53	8.43	0	4.10	<50	<0.50	<0.50	<0.50	<1.0	1.6	1.00	7.05	--	--	--
MW-11																	
4/25/2005	--		14.55	9.29	0	5.26	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--
9/30/2005	--		14.55	10.23	0	4.32	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
12/28/2005	--		14.55	9.09	0	5.46	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
3/23/2006	--		14.55	8.75	0	5.80	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
6/5/2006	--		14.55	9.47	0	5.08	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
MW-11 Cont.																	
9/19/2006	--		14.55	10.16	0	4.39	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
12/1/2006	--		14.55	10.46	0	4.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
3/1/2007	--		14.55	9.62	0	4.93	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
6/1/2007	--		14.55	9.97	0	4.58	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
9/13/2007	--		14.55	10.42	0	4.13	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
11/21/2007	--		14.55	10.64	0	3.91	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
2/29/2008	--		14.55	9.76	0	4.79	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
5/23/2008	--		14.55	10.51	0	4.04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
9/26/2008	--		14.55	10.51	0	4.04	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
12/23/2008	--		14.55	10.74	0	3.81	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
3/9/2009	--		14.55	9.50	0	5.05	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
5/28/2009	--		14.55	10.40	0	4.15	<50	<1.0	<1.0	<1.0	<1.0	<1.0	3.06	--	--	--	--
12/10/2009	--	Obstruction	14.55	10.41	0	4.14	<50	<0.50	<0.50	<0.50	<1.0	<0.50	1.03	--	--	--	--
6/29/2010	P		14.55	10.19	0	4.36	<50	<0.50	<0.50	<0.50	<1.0	<0.50	0.47	7.43	--	--	--
QC-2																	
11/5/1992	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--
10/12/1993	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--
2/15/1994	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--
5/11/1994	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--
8/1/1994	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--
10/18/1994	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--
1/13/1995	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
4/13/1995	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
7/11/1995	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
11/2/1995	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	--
2/5/1996	--		--	--	--	--	<50	<0.50	<1.0	<1.0	<1.0	<10	--	--	--	--	--
4/24/1996	--		--	--	--	--	<50	<0.50	<1.0	<1.0	<1.0	<10	--	--	--	--	--
7/16/1996	--		--	--	--	--	<50	<0.50	<1.0	<1.0	<1.0	<10	--	--	--	--	--
QCTB																	

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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)	pH	DRO/TPHd (µg/L)	ORO/TOG (µg/L)	HVOG (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE					
QCTB Cont.																	
9/30/2005	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
12/28/2005	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
3/23/2006	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
6/5/2006	--		--	--	--	--	50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
9/19/2006	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
12/1/2006	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
3/1/2007	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
6/1/2007	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
9/13/2007	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
11/21/2007	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
2/29/2008	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
5/23/2008	--		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--	--	--
9/26/2008	--		--	--	--	--	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
12/23/2008	--		--	--	--	--	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
3/9/2009	--		--	--	--	--	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--
5/28/2009	--		--	--	--	--	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--

Notes:

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

GRO = Gasoline range organics

DRO = Diesel range organics

TOG = Total petroleum hydrocarbons as oil and grease

ORO = Motor oil range organics

MTBE = Methyl tert-butyl ether

HVOC = Halogenated volatile organic compounds

DO = Dissolved Oxygen; rounded to the nearest tenth

TOC = Top of casing

P/NP = Well purged/not purged prior to sampling

GWE adjusted assuming a specific gravity of 0.75 for free product.

mg/L = Milligrams per liter

µg/L = Micrograms per liter

< = Analyte was not detected above the specified method detection limit

-- = Not measured or analyzed

ND = Not detected (historical data; reporting limit not reported)

DUP = Duplicate sample

INA = Well inaccessible; not sampled

NS = Well not sampled

a = DRO and ORO samples collected from MW-3 on 12/10/2009.

b = Identity of contaminant uncertain (hydrocarbon pattern atypical of indicated analyte); see lab report

Additional notes:

Beginning in the first quarter 2003, TPHg and VOCs analyzed by EPA Method 8260B.

Beginning in the fourth quarter 2009, TOG replaced by ORO by EPA Method 8015B.

Note: The data within this table collected prior to December 2009 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
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
10/12/1993	--	--	6,111	--	--	--	--	--	
2/15/1994	--	--	5,495	--	--	--	--	--	
5/11/1994	--	--	705	--	--	--	--	--	
8/1/1994	--	--	9,718	--	--	--	--	--	
8/1/1994	--	--	9,800	--	--	--	--	--	DUP
10/18/1994	--	--	15,668	--	--	--	--	--	
10/18/1994	--	--	--	--	--	--	--	--	DUP
1/13/1995	--	--	--	--	--	--	--	--	DUP
11/2/1995	--	--	52,000	--	--	--	--	--	
2/5/1996	--	--	8,700	--	--	--	--	--	
4/24/1996	--	--	4,500	--	--	--	--	--	
7/16/1996	--	--	64,000	--	--	--	--	--	
7/16/1996	--	--	63,000	--	--	--	--	--	DUP
8/12/1996	--	--	440,000	--	--	--	--	--	
11/5/1996	--	--	42,000	--	--	--	--	--	
5/17/1997	--	--	140,198	--	--	--	--	--	
8/11/1997	--	--	360,000	--	--	--	--	--	
11/17/1997	--	--	400,000	--	--	--	--	--	
1/29/1998	--	--	<50	--	--	--	--	--	
6/22/1998	--	--	57,000	--	--	--	--	--	
12/30/1998	--	--	15,000	--	--	--	--	--	
3/9/1999	--	--	13,000	--	--	--	--	--	
6/23/1999	--	--	24,000	--	--	--	--	--	
9/23/1999	--	--	7,100	--	--	--	--	--	
12/28/1999	--	--	5,500	--	--	--	--	--	
3/22/2000	--	--	4,900	--	--	--	--	--	
5/26/2000	--	--	320,000	--	--	--	--	--	
9/6/2000	--	--	19,000	--	--	--	--	--	
12/11/2000	--	--	3,900	--	--	--	--	--	
3/29/2001	--	--	--	--	--	--	--	--	INA
6/27/2001	--	--	1,780	--	--	--	--	--	
9/19/2001	--	--	1,090	--	--	--	--	--	

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Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1 Cont.									
12/28/2001	--	--	1,120	--	--	--	--	--	
3/12/2002	--	--	1,020	--	--	--	--	--	
6/13/2002	--	--	6,490	--	--	--	--	--	
9/6/2002	--	--	550	--	--	--	--	--	
12/13/2002	--	--	470	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	610	--	--	--	--	--	
6/6/2003	<5,000	<1,000	1,400	<25	<25	<25	--	--	
6/6/2003	<5,000	<1,000	1,400	<25	<25	<25	--	--	
8/7/2003	<1,000	560	920	<5.0	<5.0	12	<5.0	<5.0	
8/7/2003	<1,000	560	920	<5.0	<5.0	12	<5.0	<5.0	
11/20/2003	1,800	<200	250	<5.0	<5.0	<5.0	--	--	Past holding time
11/20/2003	1,800	<200	250	<5.0	<5.0	<5.0	--	--	a (ethanol)
4/28/2004	<1,000	950	200	<5.0	<5.0	<5.0	<5.0	<5.0	
04/28/2004	<1,000	950	200	<5.0	<5.0	<5.0	<5.0	<5.0	
8/26/2004	<500	320	180	<2.5	<2.5	<2.5	<2.5	<2.5	
08/26/2004	<500	320	180	<2.5	<2.5	<2.5	<2.5	<2.5	b
08/26/2004	<5.0	--	--	--	--	--	--	--	b
12/1/2004	<1,000	300	170	<5.0	<5.0	<5.0	<5.0	<5.0	
12/01/2004	<1,000	300	170	<5.0	<5.0	<5.0	<5.0	<5.0	
2/2/2005	<500	6,700	160	<2.5	<2.5	<2.5	<2.5	<2.5	
02/02/2005	<500	6,700	160	<2.5	<2.5	<2.5	<2.5	<2.5	b (ethanol)
4/25/2005	<500	5,000	200	<2.5	<2.5	<2.5	<2.5	<2.5	
04/25/2005	<500	5,000	200	<2.5	<2.5	<2.5	<2.5	<2.5	
9/30/2005	<500	1,200	250	13	<5.0	<5.0	<5.0	<5.0	
12/28/2005	<1,000	1,800	140	<10	<5.0	<5.0	<5.0	--	
3/23/2006	<1,000	2,800	40	<10	<5.0	<5.0	<5.0	<5.0	
6/5/2006	<500	1,900	160	<5.0	<2.5	<2.5	<2.5	<2.5	
9/19/2006	<1,300	1,000	180	<5.0	<2.5	<2.5	<2.5	<2.5	Well purged dry
12/1/2006	<1,300	930	150	<5.0	<2.5	<2.5	<2.5	<2.5	
3/1/2007	<1,000	510	160	<4.0	<2.0	2.0	<2.0	<2.0	
6/1/2007	<1,000	1,500	140	<4.0	<2.0	2.2	<2.0	<2.0	
9/13/2007	1,100	1,300	59	<4.0	<2.0	<2.0	<2.0	<2.0	

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Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1 Cont.									
11/21/2007	<1,000	1,300	200	<4.0	<2.0	2.7	<2.0	<2.0	
2/29/2008	<250	1,200	25	<1.0	<0.50	<0.50	<0.50	<0.50	
5/23/2008	<250	1,800	120	<1.0	<0.50	1.4	<0.50	<0.50	
9/26/2008	<250	1,400	120	<1.0	<1.0	1.9	<1.0	<1.0	
12/23/2008	<250	940	75	<1.0	<1.0	<1.0	<1.0	<1.0	
3/9/2009	<250	1,300	88	<1.0	<1.0	1.7	<1.0	<1.0	
5/28/2009	<250	1,800	48	<1.0	<1.0	1.3	<1.0	<1.0	
12/10/2009	<100	560	65	<0.50	<0.50	1.1	<0.50	<0.50	
6/29/2010	<100	2,000	<0.50	<0.50	<0.50	1.2	<0.50	<0.50	
MW-2									
11/4/1992	--	--	--	--	--	--	--	--	DUP
10/12/1993	--	--	442	--	--	--	--	--	
2/15/1994	--	--	127	--	--	--	--	--	DUP
5/11/1994	--	--	953	--	--	--	--	--	
5/11/1994	--	--	740	--	--	--	--	--	DUP
8/1/1994	--	--	1,676	--	--	--	--	--	
10/18/1994	--	--	2,417	--	--	--	--	--	
1/13/1995	--	--	--	--	--	--	--	--	
4/13/1995	--	--	--	--	--	--	--	--	
4/13/1995	--	--	--	--	--	--	--	--	DUP
7/11/1995	--	--	--	--	--	--	--	--	
7/11/1995	--	--	--	--	--	--	--	--	DUP
11/2/1995	--	--	19,000	--	--	--	--	--	DUP
11/2/1995	--	--	15,000	--	--	--	--	--	
2/5/1996	--	--	99	--	--	--	--	--	
2/5/1996	--	--	93	--	--	--	--	--	DUP
4/24/1996	--	--	<50	--	--	--	--	--	DUP
4/24/1996	--	--	<100	--	--	--	--	--	
7/16/1996	--	--	1,400	--	--	--	--	--	
11/5/1996	--	--	1,100	--	--	--	--	--	
11/5/1996	--	--	1,100	--	--	--	--	--	DUP

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-2 Cont.									
5/17/1997	--	--	210	--	--	--	--	--	
8/11/1997	--	--	2,400	--	--	--	--	--	
11/17/1997	--	--	130	--	--	--	--	--	
1/29/1998	--	--	<10	--	--	--	--	--	
6/22/1998	--	--	560	--	--	--	--	--	
9/23/1999	--	--	910	--	--	--	--	--	
3/22/2000	--	--	2,800	--	--	--	--	--	
9/6/2000	--	--	12,000	--	--	--	--	--	
3/29/2001	--	--	--	--	--	--	--	--	INA
6/27/2001	--	--	--	--	--	--	--	--	INA
9/19/2001	--	--	--	--	--	--	--	--	INA
12/28/2001	--	--	--	--	--	--	--	--	INA
3/12/2002	--	--	37,300	--	--	--	--	--	
6/13/2002	--	--	84,600	--	--	--	--	--	
9/6/2002	--	--	45,000	--	--	--	--	--	
12/13/2002	--	--	98,000	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	81,000	--	--	--	--	--	
6/6/2003	<200,000	<40,000	72,000	<1,000	<1,000	1,300	--	--	
6/6/2003	<200,000	<40,000	72,000	<1,000	<1,000	1,300	--	--	
8/7/2003	<100,000	45,000	83,000	<500	<500	1,300	<500	<500	
8/7/2003	<100,000	45,000	83,000	<500	<500	1,300	<500	<500	
11/20/2003	<20,000	48,000	18,000	<100	<100	200	--	--	
11/20/2003	<20,000	48,000	18,000	<100	<100	200	--	--	
4/28/2004	<50,000	59,000	31,000	<250	<250	<250	<250	<250	
04/28/2004	<50,000	59,000	31,000	<250	<250	<250	<250	<250	
08/26/2004	23	--	--	--	--	--	--	--	b
08/26/2004	<50,000	<10,000	11,000	<250	<250	320	<250	<250	b
8/26/2004	<50,000	<10,000	11,000	<250	<250	320	<250	<250	
12/1/2004	<20,000	<4,000	10,000	<100	<100	230	<100	<100	
12/01/2004	<20,000	<4,000	10,000	<100	<100	230	<100	<100	
02/02/2005	<20,000	4,000	10,000	<100	<100	260	<100	<100	b (ethanol)
2/2/2005	<20,000	4,000	10,000	<100	<100	260	<100	<100	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-2 Cont.									
4/25/2005	<10,000	3,700	8,200	<50	<50	220	<50	<50	
04/25/2005	<10,000	3,700	8,200	<50	<50	220	<50	<50	
9/30/2005	<5,000	4,700	16,000	<50	<50	270	<50	<50	
12/28/2005	<20,000	6,300	22,000	<200	<100	410	<100	--	
3/23/2006	<20,000	5,800	13,000	<200	<100	290	<100	<100	
6/5/2006	<10,000	3,300	8,000	<100	<50	280	<50	<50	
9/19/2006	<25,000	4,800	16,000	<100	<50	370	<50	<50	
12/1/2006	<25,000	3,900	10,000	<100	<50	270	<50	<50	
3/1/2007	<25,000	2,700	8,300	<100	<50	210	<50	<50	
6/1/2007	<50,000	4,900	17,000	260	<100	310	<100	<100	
9/13/2007	<25,000	42,000	2,300	<100	<50	50	<50	<50	
11/21/2007	<25,000	5,000	5,200	<100	<50	160	<50	<50	
2/29/2008	<25,000	2,500	4,900	<100	<50	120	<50	<50	
5/23/2008	<25,000	29,000	2,500	140	<50	60	<50	<50	
9/26/2008	<250	77,000	960	<1.0	2.8	42	<1.0	<1.0	
12/23/2008	<500	57,000	1,800	<2.0	2.4	51	<2.0	<2.0	
3/9/2009	<5,000	21,000	2,200	<20	<20	82	<20	<20	
5/28/2009	<2,500	2,000	2,800	<10	<10	110	<10	<10	
12/10/2009	<100	44,000	360	0.52	1.4	8.7	<0.50	<0.50	
6/29/2010	<5,000	31,000	770	<25	<25	<25	<25	<25	
MW-3									
10/12/1993	--	--	96	--	--	--	--	--	DUP
2/15/1994	--	--	30	--	--	--	--	--	
5/11/1994	--	--	51	--	--	--	--	--	
8/1/1994	--	--	18	--	--	--	--	--	
10/18/1994	--	--	21	--	--	--	--	--	
11/2/1995	--	--	270	--	--	--	--	--	
2/5/1996	--	--	11	--	--	--	--	--	
4/24/1996	--	--	150	--	--	--	--	--	
7/15/1996	--	--	<50	--	--	--	--	--	
11/5/1996	--	--	30	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
5/17/1997	--	--	52	--	--	--	--	--	
8/11/1997	--	--	170	--	--	--	--	--	
11/17/1997	--	--	46	--	--	--	--	--	
1/29/1998	--	--	330	--	--	--	--	--	
6/22/1998	--	--	130	--	--	--	--	--	
3/9/1999	--	--	19	--	--	--	--	--	
3/22/2000	--	--	2,900	--	--	--	--	--	
12/11/2000	--	--	--	--	--	--	--	--	DTW anomalous
3/29/2001	--	--	680	--	--	--	--	--	
6/27/2001	--	--	560	--	--	--	--	--	
9/19/2001	--	--	464	--	--	--	--	--	
12/28/2001	--	--	180	--	--	--	--	--	
3/12/2002	--	--	443	--	--	--	--	--	
6/13/2002	--	--	395	--	--	--	--	--	
9/6/2002	--	--	650	--	--	--	--	--	
12/13/2002	--	--	60	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	120	--	--	--	--	--	
6/6/2003	<1,000	<200	180	<5.0	<5.0	16	--	--	
6/6/2003	<1,000	<200	180	<5.0	<5.0	16	--	--	
8/7/2003	<1,000	<200	290	<5.0	<5.0	20	<5.0	<5.0	
8/7/2003	<1,000	<200	290	<5.0	<5.0	20	<5.0	<5.0	
11/20/2003	<100	<20	17	<0.50	<0.50	1.4	--	--	
11/20/2003	<100	<20	17	<0.50	<0.50	1.4	--	--	
04/28/2004	<200	<40	87	<1.0	<1.0	3.9	<1.0	<1.0	
4/28/2004	<200	<40	87	<1.0	<1.0	3.9	<1.0	<1.0	
8/26/2004	<100	260	34	<0.50	<0.50	2.0	<0.50	<0.50	
08/26/2004	<100	260	34	<0.50	<0.50	2.0	<0.50	<0.50	b
08/26/2004	<5.0	--	--	--	--	--	--	--	b
12/1/2004	<200	610	7.4	<1.0	<1.0	<1.0	<1.0	<1.0	
12/01/2004	<200	610	7.4	<1.0	<1.0	<1.0	<1.0	<1.0	
02/02/2005	<200	<40	20	<1.0	<1.0	1.1	<1.0	<1.0	b (ethanol)
2/2/2005	<200	<40	20	<1.0	<1.0	1.1	<1.0	<1.0	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
04/25/2005	<500	160	220	<2.5	<2.5	10	<2.5	<2.5	b (ethanol)
4/25/2005	<500	160	220	<2.5	<2.5	10	<2.5	<2.5	
9/30/2005	<50	270	8.2	<0.50	<0.50	0.68	<0.50	<0.50	
12/28/2005	<100	<5.0	0.66	<1.0	<0.50	<0.50	<0.50	--	
3/23/2006	<100	130	13	<1.0	<0.50	0.63	<0.50	<0.50	
6/5/2006	<100	510	29	<1.0	<0.50	1.6	<0.50	<0.50	
9/19/2006	<250	420	4.1	<1.0	<0.50	<0.50	<0.50	<0.50	
12/1/2006	<250	250	2.0	<1.0	<0.50	<0.50	<0.50	<0.50	
3/1/2007	<250	77	3.8	<1.0	<0.50	<0.50	<0.50	<0.50	
6/1/2007	<250	320	3.7	<1.0	<0.50	<0.50	<0.50	<0.50	
9/13/2007	<1,300	2,000	2.6	<5.0	<2.5	<2.5	<2.5	<2.5	
11/21/2007	<1,300	2,600	3.4	<5.0	<2.5	<2.5	<2.5	<2.5	
2/29/2008	<250	540	0.90	<1.0	<0.50	<0.50	<0.50	<0.50	
5/23/2008	<2,500	3,200	<5.0	<10	<5.0	<5.0	<5.0	<5.0	
9/26/2008	<250	6,900	4.8	<1.0	<1.0	<1.0	<1.0	<1.0	
12/23/2008	<250	8,200	4.9	<1.0	<1.0	<1.0	<1.0	<1.0	
3/9/2009	<250	55	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
5/28/2009	<250	580	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	
12/10/2009	<100	270	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	
6/29/2010	<100	2,900	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-4									
10/12/1993	--	--	261	--	--	--	--	--	
2/15/1994	--	--	118	--	--	--	--	--	
5/11/1994	--	--	137	--	--	--	--	--	
8/1/1994	--	--	138	--	--	--	--	--	
10/18/1994	--	--	197	--	--	--	--	--	
11/2/1995	--	--	140	--	--	--	--	--	
2/5/1996	--	--	200	--	--	--	--	--	
4/24/1996	--	--	510	--	--	--	--	--	
7/15/1996	--	--	550	--	--	--	--	--	
11/5/1996	--	--	620	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-4 Cont.									
11/17/1997	--	--	880	--	--	--	--	--	
3/9/1999	--	--	2,000	--	--	--	--	--	
3/22/2000	--	--	3,800	--	--	--	--	--	
3/29/2001	--	--	--	--	--	--	--	--	INA
6/27/2001	--	--	4,220	--	--	--	--	--	
9/19/2001	--	--	3,340	--	--	--	--	--	
12/28/2001	--	--	5,330	--	--	--	--	--	
3/12/2002	--	--	8,440	--	--	--	--	--	
6/13/2002	--	--	6,870	--	--	--	--	--	
9/6/2002	--	--	9,600	--	--	--	--	--	
12/13/2002	--	--	8,600	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	8,000	--	--	--	--	--	
6/6/2003	<10,000	2,500	6,800	<50	<50	190	--	--	
6/6/2003	<10,000	2,500	6,800	<50	<50	190	--	--	
8/7/2003	<10,000	2,400	6,600	<50	<50	160	<50	<50	
8/7/2003	<10,000	2,400	6,600	<50	<50	160	<50	<50	
11/20/2003	<20,000	<4,000	11,000	<100	<100	310	--	--	
11/20/2003	<20,000	<4,000	11,000	<100	<100	310	--	--	
04/28/2004	<50,000	15,000	3,600	<250	<250	<250	<250	<250	
4/28/2004	<50,000	15,000	3,600	<250	<250	<250	<250	<250	
8/26/2004	--	16,000	1,800	<25	<25	60	<25	<25	
08/26/2004	--	16,000	1,800	<25	<25	60	<25	<25	
08/26/2004	<5.0	--	--	--	--	--	--	--	
12/1/2004	<2,000	19,000	450	<10	<10	10	<10	<10	
12/01/2004	<2,000	19,000	450	<10	<10	10	<10	<10	
02/02/2005	<1,000	19,000	410	<5.0	<5.0	10	<5.0	<5.0	b (ethanol)
2/2/2005	<1,000	19,000	410	<5.0	<5.0	10	<5.0	<5.0	
4/25/2005	<1,000	18,000	170	<5.0	<5.0	<5.0	<5.0	<5.0	
04/25/2005	<1,000	18,000	170	<5.0	<5.0	<5.0	<5.0	<5.0	
9/30/2005	<2,500	30,000	110	<25	<25	<25	<25	<25	
12/28/2005	<5,000	27,000	34	<50	<25	<25	<25	--	
3/23/2006	<5,000	34,000	120	<50	<25	<25	<25	<25	

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Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-4 Cont.									
6/5/2006	<10,000	34,000	<50	<100	<50	<50	<50	<50	Well purged dry
9/19/2006	<25,000	27,000	110	<100	<50	<50	<50	<50	Well purged dry
12/1/2006	<25,000	31,000	68	<100	<50	<50	<50	<50	Well purged dry
3/1/2007	<25,000	31,000	<50	<100	<50	<50	<50	<50	
6/1/2007	<13,000	32,000	31	<50	<25	<25	<25	<25	
9/13/2007	<13,000	10,000	<25	<50	<25	<25	<25	<25	
11/21/2007	<13,000	38,000	<25	<50	<25	<25	<25	<25	
2/29/2008	<25,000	32,000	<50	<100	<50	<50	<50	<50	
5/23/2008	<25,000	42,000	<50	<100	<50	<50	<50	<50	
9/26/2008	<250	39,000	14	<1.0	2.8	<1.0	<1.0	<1.0	
12/23/2008	<250	37,000	15	<1.0	3.2	<1.0	<1.0	<1.0	
3/9/2009	<250	27,000	18	<1.0	3.5	<1.0	<1.0	<1.0	
5/28/2009	<250	36,000	21	<1.0	2.9	1.1	<1.0	<1.0	
12/10/2009	<100	39,000	10	<0.50	2.7	<0.50	<0.50	<0.50	Well purged dry
6/29/2010	<1,000	38,000	7.3	<5.0	<5.0	<5.0	<5.0	<5.0	
MW-5									
2/15/1994	--	--	153	--	--	--	--	--	
5/11/1994	--	--	165	--	--	--	--	--	
8/1/1994	--	--	196	--	--	--	--	--	
10/18/1994	--	--	559	--	--	--	--	--	
11/3/1995	--	--	200	--	--	--	--	--	
2/5/1996	--	--	<50	--	--	--	--	--	
4/24/1996	--	--	<100	--	--	--	--	--	
7/16/1996	--	--	<100	--	--	--	--	--	
8/12/1996	--	--	<50	--	--	--	--	--	
11/5/1996	--	--	1,700	--	--	--	--	--	
5/17/1997	--	--	46	--	--	--	--	--	
8/11/1997	--	--	1,900	--	--	--	--	--	
11/17/1997	--	--	13,000	--	--	--	--	--	
1/29/1998	--	--	180,000	--	--	--	--	--	
6/22/1998	--	--	47	--	--	--	--	--	

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Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-5 Cont.									
12/30/1998	--	--	63	--	--	--	--	--	
3/9/1999	--	--	24	--	--	--	--	--	
6/23/1999	--	--	7,500	--	--	--	--	--	
9/23/1999	--	--	580	--	--	--	--	--	
12/28/1999	--	--	4,800	--	--	--	--	--	
3/22/2000	--	--	--	--	--	--	--	--	INA
5/26/2000	--	--	--	--	--	--	--	--	INA
9/6/2000	--	--	--	--	--	--	--	--	INA
9/15/2000	--	--	--	--	--	--	--	--	INA
12/11/2000	--	--	--	--	--	--	--	--	INA
3/29/2001	--	--	--	--	--	--	--	--	INA
6/27/2001	--	--	--	--	--	--	--	--	INA
9/19/2001	--	--	--	--	--	--	--	--	INA
12/28/2001	--	--	72	--	--	--	--	--	
3/12/2002	--	--	32	--	--	--	--	--	
6/13/2002	--	--	616	--	--	--	--	--	
9/6/2002	--	--	230	--	--	--	--	--	
12/13/2002	--	--	110	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	6.4	--	--	--	--	--	
6/6/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	--	--	
6/6/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	--	--	
8/7/2003	<1,000	<200	18	<5.0	<5.0	<5.0	<5.0	<5.0	
8/7/2003	<1,000	<200	18	<5.0	<5.0	<5.0	<5.0	<5.0	
11/20/2003	<500	<100	12	<2.5	<2.5	<2.5	--	--	
11/20/2003	<500	<100	12	<2.5	<2.5	<2.5	--	--	
4/28/2004	<500	<100	11	<2.5	<2.5	<2.5	<2.5	<2.5	
04/28/2004	<500	<100	11	<2.5	<2.5	<2.5	<2.5	<2.5	
8/26/2004	--	<100	74	<2.5	<2.5	<2.5	<2.5	<2.5	
08/26/2004	--	<100	74	<2.5	<2.5	<2.5	<2.5	<2.5	
08/26/2004	8.3	--	--	--	--	--	--	--	
12/01/2004	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
12/1/2004	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-5 Cont.									
02/02/2005	<500	<100	11	<2.5	<2.5	<2.5	<2.5	<2.5	b (ethanol)
2/2/2005	<500	<100	11	<2.5	<2.5	<2.5	<2.5	<2.5	
4/25/2005	<500	<100	12	<2.5	<2.5	<2.5	<2.5	<2.5	
04/25/2005	<500	<100	12	<2.5	<2.5	<2.5	<2.5	<2.5	
9/30/2005	<100	27	16	<1.0	<1.0	<1.0	<1.0	<1.0	
12/28/2005	<400	<20	3.8	14	<2.0	<2.0	<2.0	--	
3/23/2006	<400	37	8.6	<4.0	<2.0	<2.0	<2.0	<2.0	
6/5/2006	<500	90	11	<5.0	<2.5	<2.5	<2.5	<2.5	
9/19/2006	<1,300	53	12	<5.0	<2.5	<2.5	<2.5	<2.5	
12/1/2006	<1,300	<25	14	<5.0	<2.5	2.7	<2.5	<2.5	
3/1/2007	<1,300	<25	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	
6/1/2007	<1,300	40	11	32	<2.5	<2.5	<2.5	5.8	
9/13/2007	<1,300	<25	8.5	<5.0	<2.5	<2.5	<2.5	<2.5	
11/21/2007	<1,300	310	11	<5.0	<2.5	<2.5	<2.5	<2.5	
2/29/2008	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
5/23/2008	<1,200	<25	3.9	<5.0	<2.5	<2.5	<2.5	<2.5	
9/26/2008	<250	<5.0	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	
12/23/2008	<250	<5.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
3/9/2009	<250	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
5/28/2009	<250	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
12/10/2009	--	--	--	--	--	--	--	--	INA, Need traffic control
6/29/2010	--	--	--	--	--	--	--	--	INA, Need traffic control
MW-6									
10/12/1993	--	--	44	--	--	--	--	--	
2/15/1994	--	--	38	--	--	--	--	--	
5/11/1994	--	--	49	--	--	--	--	--	
8/1/1994	--	--	60	--	--	--	--	--	
10/18/1994	--	--	85	--	--	--	--	--	
11/2/1995	--	--	35	--	--	--	--	--	
2/5/1996	--	--	<100	--	--	--	--	--	
4/24/1996	--	--	62	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-6 Cont.									
7/15/1996	--	--	<50	--	--	--	--	--	
11/5/1996	--	--	<10	--	--	--	--	--	
11/17/1997	--	--	<10	--	--	--	--	--	
3/29/2001	--	--	820	--	--	--	--	--	
6/27/2001	--	--	968	--	--	--	--	--	
9/19/2001	--	--	879	--	--	--	--	--	
12/28/2001	--	--	--	--	--	--	--	--	NS
3/12/2002	--	--	244	--	--	--	--	--	
6/13/2002	--	--	413	--	--	--	--	--	
9/6/2002	--	--	240	--	--	--	--	--	
12/13/2002	--	--	200	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	150	--	--	--	--	--	
6/6/2003	<1,000	<200	140	<5.0	<5.0	21	--	--	
6/6/2003	<1,000	<200	140	<5.0	<5.0	21	--	--	
8/7/2003	<1,000	<200	160	<5.0	<5.0	20	<5.0	<5.0	
8/7/2003	<1,000	<200	160	<5.0	<5.0	20	<5.0	<5.0	
11/20/2003	<100	<20	74	<0.50	<0.50	12	--	--	
11/20/2003	<100	<20	74	<0.50	<0.50	12	--	--	
04/28/2004	<500	<100	120	<2.5	<2.5	12	<2.5	<2.5	
4/28/2004	<500	<100	120	<2.5	<2.5	12	<2.5	<2.5	
08/26/2004	11	--	--	--	--	--	--	--	b
08/26/2004	<500	<100	110	<2.5	<2.5	12	<2.5	<2.5	b
8/26/2004	<500	<100	110	<2.5	<2.5	12	<2.5	<2.5	
12/01/2004	<500	<100	86	<2.5	<2.5	11	<2.5	<2.5	
12/1/2004	<500	<100	86	<2.5	<2.5	11	<2.5	<2.5	
02/02/2005	<100	32	41	<0.50	<0.50	6.2	<0.50	<0.50	b (ethanol)
2/2/2005	<100	32	41	<0.50	<0.50	6.2	<0.50	<0.50	
04/25/2005	<100	45	50	<0.50	<0.50	6.0	<0.50	<0.50	b (ethanol)
4/25/2005	<100	45	50	<0.50	<0.50	6.0	<0.50	<0.50	
9/30/2005	<200	280	51	<2.0	<2.0	4.4	<2.0	<2.0	
12/28/2005	<100	160	16	<1.0	<0.50	2.0	<0.50	--	
3/23/2006	<100	35	5.6	<1.0	<0.50	0.91	<0.50	<0.50	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-6 Cont.									
6/5/2006	<100	110	14	<1.0	<0.50	1.5	<0.50	<0.50	
9/19/2006	<250	190	8.8	<1.0	<0.50	1.4	<0.50	<0.50	
12/1/2006	<250	98	5.9	<1.0	<0.50	0.94	<0.50	<0.50	
3/1/2007	<250	96	6.0	<1.0	<0.50	0.68	<0.50	<0.50	
6/1/2007	<250	160	7.4	<1.0	<0.50	0.77	<0.50	<0.50	
9/13/2007	<250	120	6.7	<1.0	<0.50	0.87	<0.50	<0.50	
11/21/2007	<250	210	8.4	<1.0	<0.50	1.0	<0.50	<0.50	
2/29/2008	<250	46	7.1	<1.0	<0.50	0.92	<0.50	<0.50	
5/23/2008	<250	53	8.4	<1.0	<0.50	0.95	<0.50	<0.50	
9/26/2008	<250	56	5.1	<1.0	<1.0	<1.0	<1.0	<1.0	
12/23/2008	<250	54	5.3	<1.0	<1.0	<1.0	<1.0	<1.0	
3/9/2009	<250	62	3.5	<1.0	<1.0	<1.0	<1.0	<1.0	
5/28/2009	<250	55	6.6	<1.0	<1.0	<1.0	<1.0	<1.0	
12/10/2009	<100	40	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	
6/29/2010	<100	49	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-7									
10/12/1993	--	--	<5.0	--	--	--	--	--	
2/15/1994	--	--	<5.0	--	--	--	--	--	
5/11/1994	--	--	12	--	--	--	--	--	
8/1/1994	--	--	182	--	--	--	--	--	
10/18/1994	--	--	52	--	--	--	--	--	
11/2/1995	--	--	55	--	--	--	--	--	
2/5/1996	--	--	40	--	--	--	--	--	
4/24/1996	--	--	53	--	--	--	--	--	
7/15/1996	--	--	<50	--	--	--	--	--	
11/5/1996	--	--	<10	--	--	--	--	--	
11/17/1997	--	--	<10	--	--	--	--	--	
3/29/2001	--	--	636	--	--	--	--	--	
6/27/2001	--	--	739	--	--	--	--	--	
9/19/2001	--	--	1,190	--	--	--	--	--	
12/28/2001	--	--	856	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-7 Cont.									
3/12/2002	--	--	675	--	--	--	--	--	
6/13/2002	--	--	1,470	--	--	--	--	--	
9/6/2002	--	--	690	--	--	--	--	--	
12/13/2002	--	--	1,800	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	1,600	--	--	--	--	--	
6/6/2003	<1,000	<200	510	<5.0	<5.0	41	--	--	
6/6/2003	<1,000	<200	510	<5.0	<5.0	41	--	--	
8/7/2003	<1,000	<200	520	<5.0	<5.0	43	<5.0	<5.0	
8/7/2003	<1,000	<200	520	<5.0	<5.0	43	<5.0	<5.0	
11/20/2003	<500	1,300	270	<2.5	<2.5	8.9	--	--	
11/20/2003	<500	1,300	270	<2.5	<2.5	8.9	--	--	
04/28/2004	<500	880	71	<2.5	<2.5	3.5	<2.5	<2.5	
4/28/2004	<500	880	71	<2.5	<2.5	3.5	<2.5	<2.5	
08/26/2004	6.0	--	--	--	--	--	--	--	
08/26/2004	<500	4,800	150	<2.5	<2.5	7.8	<0.50	<0.50	
8/26/2004	<500	4,800	150	<2.5	<2.5	7.8	<0.50	<0.50	
12/1/2004	<200	1,400	25	<1.0	<1.0	1.1	<1.0	<1.0	
12/01/2004	<200	1,400	25	<1.0	<1.0	1.1	<1.0	<1.0	
02/02/2005	<100	830	31	<0.50	<0.50	1.8	<0.50	<0.50	b (ethanol)
2/2/2005	<100	830	31	<0.50	<0.50	1.8	<0.50	<0.50	
04/25/2005	<100	520	41	<0.50	<0.50	2.1	<0.50	<0.50	b (ethanol)
4/25/2005	<100	520	41	<0.50	<0.50	2.1	<0.50	<0.50	
9/30/2005	<50	450	18	<0.50	<0.50	1.5	<0.50	<0.50	
12/28/2005	<1,000	1,600	7.4	<10	<5.0	<5.0	<5.0	--	
3/23/2006	<100	340	25	<1.0	<0.50	1.7	<0.50	<0.50	
6/5/2006	<100	200	14	<1.0	<0.50	1.2	<0.50	<0.50	
9/19/2006	<250	280	14	<1.0	<0.50	1.6	<0.50	<0.50	
12/1/2006	<1,300	1,400	6.7	<5.0	<2.5	<2.5	<2.5	<2.5	
3/1/2007	<1,300	1,000	4.0	<5.0	<2.5	<2.5	<2.5	<2.5	
6/1/2007	<250	600	7.5	<1.0	<0.50	0.59	<0.50	<0.50	
9/13/2007	<250	260	10	<1.0	<0.50	0.80	<0.50	<0.50	
11/21/2007	<250	1,500	8.4	<1.0	<0.50	0.87	<0.50	<0.50	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-7 Cont.									
2/29/2008	<250	960	6.2	<1.0	<0.50	0.73	<0.50	<0.50	
5/23/2008	<250	300	9.6	<1.0	<0.50	0.96	<0.50	<0.50	
9/26/2008	<250	800	7.5	<1.0	<1.0	<1.0	<1.0	<1.0	
12/23/2008	<250	3,500	5.7	<1.0	<1.0	<1.0	<1.0	<1.0	
3/9/2009	<250	1,300	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	
5/28/2009	<250	110	5.7	<1.0	<1.0	<1.0	<1.0	<1.0	
12/10/2009	<100	1,200	6.5	<0.50	<0.50	0.56	<0.50	<0.50	
6/29/2010	<100	2,000	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-8									
10/12/1993	--	--	11	--	--	--	--	--	
2/15/1994	--	--	<5.0	--	--	--	--	--	
5/11/1994	--	--	<5.0	--	--	--	--	--	
8/1/1994	--	--	<5.0	--	--	--	--	--	
10/18/1994	--	--	<5.0	--	--	--	--	--	
11/2/1995	--	--	<5.0	--	--	--	--	--	
2/5/1996	--	--	<100	--	--	--	--	--	
4/24/1996	--	--	<100	--	--	--	--	--	
7/15/1996	--	--	<50	--	--	--	--	--	
11/5/1996	--	--	<10	--	--	--	--	--	
11/17/1997	--	--	<10	--	--	--	--	--	
12/30/1998	--	--	--	--	--	--	--	--	INA
3/9/1999	--	--	--	--	--	--	--	--	INA
3/29/2001	--	--	--	--	--	--	--	--	INA
6/27/2001	--	--	3.4	--	--	--	--	--	
9/19/2001	--	--	<5.0	--	--	--	--	--	
12/28/2001	--	--	6.3	--	--	--	--	--	
3/12/2002	--	--	8.7	--	--	--	--	--	
6/13/2002	--	--	16	--	--	--	--	--	
9/6/2002	--	--	76	--	--	--	--	--	
12/13/2002	--	--	140	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	800	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-8 Cont.									
6/6/2003	<100,000	<20,000	17,000	<500	<500	<500	--	--	
6/6/2003	<100,000	<20,000	17,000	<500	<500	<500	--	--	
8/7/2003	<5,000	<1,000	2,400	<25	<25	44	<25	<25	
8/7/2003	<5,000	<1,000	2,400	<25	<25	44	<25	<25	
11/20/2003	<5,000	4,100	1,400	<25	<25	<25	--	--	
11/20/2003	<5,000	4,100	1,400	<25	<25	<25	--	--	b
04/28/2004	<500	42,000	170	<2.5	<2.5	<2.5	<2.5	<2.5	c
4/28/2004	<500	42,000	170	<2.5	<2.5	<2.5	<2.5	<2.5	
08/26/2004	--	47,000	170	<25	<25	<25	<25	<25	
08/26/2004	<5.0	--	--	--	--	--	--	--	
8/26/2004	--	47,000	170	<25	<25	<25	<25	<25	
12/01/2004	<500	9,700	36	<2.5	<2.5	<2.5	<2.5	<2.5	
12/1/2004	<500	9,700	36	<2.5	<2.5	<2.5	<2.5	<2.5	
2/2/2005	<100	<20	41	<0.50	0.72	0.64	<0.50	<0.50	
02/02/2005	<100	<20	41	<0.50	0.72	0.64	<0.50	<0.50	b (ethanol)
04/25/2005	<2,500	45,000	32	<12	<12	<12	<12	<12	
4/25/2005	<2,500	45,000	32	<12	<12	<12	<12	<12	
9/30/2005	<500	8,500	17	<5.0	<5.0	<5.0	<5.0	<5.0	
12/28/2005	<500	7,400	17	<5.0	<2.5	<2.5	<2.5	--	
3/23/2006	<500	11,000	21	<5.0	<2.5	<2.5	<2.5	<2.5	
6/5/2006	<5,000	34,000	30	<50	<25	<25	<25	<25	
9/19/2006	<2,500	7,500	17	<10	<5.0	<5.0	<5.0	<5.0	Well purged dry
12/1/2006	<1,300	1,900	16	<5.0	<2.5	<2.5	<2.5	<2.5	
3/1/2007	<2,500	6,200	20	<10	<5.0	<5.0	<5.0	<5.0	
6/1/2007	<2,500	3,700	8.7	<10	<5.0	<5.0	<5.0	<5.0	
9/13/2007	<250	630	9.4	<1.0	<0.50	<0.50	<0.50	<0.50	
11/21/2007	<250	360	8.7	<1.0	<0.50	<0.50	<0.50	<0.50	
2/29/2008	<5,000	7,500	16	<20	<10	<10	<10	<10	
5/23/2008	<5,000	4,800	15	<20	<10	<10	<10	<10	
9/26/2008	<250	1,800	14	<1.0	<1.0	<1.0	<1.0	<1.0	
12/23/2008	<250	770	10	<1.0	<1.0	<1.0	<1.0	<1.0	
3/9/2009	<250	3,300	15	<1.0	<1.0	<1.0	<1.0	<1.0	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-8 Cont.									
5/28/2009	<250	710	6.5	<1.0	<1.0	<1.0	<1.0	<1.0	
12/10/2009	<100	960	9.0	<0.50	<0.50	<0.50	<0.50	<0.50	
6/29/2010	<100	1,700	10	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-9									
5/17/1997	--	--	40,000	--	--	--	--	--	
5/17/1997	--	--	39,000	--	--	--	--	--	DUP
8/11/1997	--	--	26,000	--	--	--	--	--	
8/11/1997	--	--	27,000	--	--	--	--	--	DUP
11/17/1997	--	--	32,000	--	--	--	--	--	
11/17/1997	--	--	35,000	--	--	--	--	--	DUP
1/29/1998	--	--	110,000	--	--	--	--	--	
1/29/1998	--	--	110,000	--	--	--	--	--	DUP
6/22/1998	--	--	110,000	--	--	--	--	--	DUP
6/22/1998	--	--	110,000	--	--	--	--	--	
12/30/1998	--	--	86,000	--	--	--	--	--	
3/9/1999	--	--	100,000	--	--	--	--	--	
6/23/1999	--	--	92,000	--	--	--	--	--	
9/23/1999	--	--	89,000	--	--	--	--	--	
12/28/1999	--	--	100,000	--	--	--	--	--	
3/22/2000	--	--	120,000	--	--	--	--	--	
5/26/2000	--	--	100,000	--	--	--	--	--	
9/6/2000	--	--	84,000	--	--	--	--	--	
12/11/2000	--	--	123,000	--	--	--	--	--	
3/29/2001	--	--	--	--	--	--	--	--	INA
6/26/2001	--	--	--	--	--	--	--	--	GW Elev. Estimated
12/28/2001	--	--	60,900	--	--	--	--	--	
3/12/2002	--	--	44,000	--	--	--	--	--	
6/13/2002	--	--	35,600	--	--	--	--	--	
9/6/2002	--	--	31,000	--	--	--	--	--	
12/13/2002	--	--	28,000	--	--	--	--	--	EPA 8015B/8021B used
2/19/2003	--	--	11,000	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-9 Cont.									
6/6/2003	<100,000	<20,000	17,000	<500	<500	<500	--	--	
6/6/2003	<100,000	<20,000	17,000	<500	<500	<500	--	--	
8/7/2003	<50,000	<10,000	17,000	<250	<250	350	<250	<250	
8/7/2003	<50,000	<10,000	17,000	<250	<250	350	<250	<250	
11/20/2003	<50,000	12,000	16,000	<250	<250	<250	--	--	
11/20/2003	<50,000	12,000	16,000	<250	<250	<250	--	--	
04/28/2004	<25,000	<5,000	8,500	<120	<120	170	<120	<120	
4/28/2004	<25,000	<5,000	8,500	<120	<120	170	<120	<120	
08/26/2004	13	--	--	--	--	--	--	--	d (TBA)
08/26/2004	--	2,600	6,500	<50	<50	140	<50	<50	d (TBA)
8/26/2004	--	2,600	6,500	<50	<50	140	<50	<50	Past holding time (TBA)
12/01/2004	<50,000	<10,000	8,300	<250	<250	<250	<250	<250	
12/1/2004	<50,000	<10,000	8,300	<250	<250	<250	<250	<250	
02/02/2005	<10,000	5,600	3,600	<50	<50	88	<50	<50	b (ethanol)
2/2/2005	<10,000	5,600	3,600	<50	<50	88	<50	<50	
4/25/2005	<1,000	1,400	540	<5.0	<5.0	14	<5.0	<5.0	
04/25/2005	<1,000	1,400	540	<5.0	<5.0	14	<5.0	<5.0	b (ethanol)
9/30/2005	<2,000	520	2,400	<20	<20	61	<20	<20	
12/28/2005	<2,000	1,800	2,200	<20	<10	49	<10	--	
3/23/2006	<2,000	2,400	330	<20	<10	<10	<10	<10	
6/5/2006	<2,500	1,100	1,800	<25	<13	75	<13	<13	Well purged dry
9/19/2006	<6,300	3,900	3,100	<25	<13	100	<13	<13	Well purged dry
12/1/2006	<6,300	2,400	1,400	<25	<13	46	<13	<13	Well purged dry
3/1/2007	<6,300	580	240	<25	<13	<13	<13	<13	
6/1/2007	<6,300	2,300	1,800	<25	<13	50	<13	<13	
9/13/2007	<6,300	7,300	640	<25	<13	28	<13	<13	
11/21/2007	<6,300	3,500	2,000	<25	<13	42	<13	<13	
2/29/2008	<6,300	2,400	1,100	<25	<13	35	<13	<13	
5/23/2008	<6,200	6,800	1,200	<25	<12	33	<12	<12	
9/26/2008	<250	12,000	280	<1.0	<1.0	6.2	<1.0	<1.0	
12/23/2008	<250	1,000	870	<1.0	<1.0	23	<1.0	<1.0	
3/9/2009	<250	610	180	<1.0	<1.0	4.0	<1.0	<1.0	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-9 Cont.									
5/28/2009	<250	840	720	<1.0	<1.0	21	<1.0	<1.0	
12/10/2009	<500	4,200	780	<2.5	<2.5	15	<2.5	<2.5	
6/29/2010	<2,000	4,200	1,200	<10	<10	30	<10	<10	
MW-10									
04/25/2005	<100	<20	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	b (ethanol)
4/25/2005	<100	<20	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	
9/30/2005	<50	<5.0	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	
12/28/2005	<100	<5.0	0.78	<1.0	<0.50	<0.50	<0.50	--	
3/23/2006	<100	<5.0	0.67	<1.0	<0.50	<0.50	<0.50	<0.50	
6/5/2006	<100	<5.0	1.8	<1.0	<0.50	<0.50	<0.50	<0.50	
9/19/2006	<250	<5.0	0.59	<1.0	<0.50	<0.50	<0.50	<0.50	
12/1/2006	<250	<5.0	0.89	<1.0	<0.50	<0.50	<0.50	<0.50	Well purged dry
3/1/2007	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
6/1/2007	<250	<5.0	1.2	<1.0	<0.50	<0.50	<0.50	<0.50	
9/13/2007	<250	<5.0	0.94	<1.0	<0.50	<0.50	<0.50	<0.50	
11/21/2007	<250	<5.0	2.2	<1.0	<0.50	<0.50	<0.50	<0.50	
2/29/2008	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
5/23/2008	<250	<5.0	2.2	<1.0	<0.50	<0.50	<0.50	<0.50	
9/26/2008	<250	<5.0	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	
12/23/2008	<250	<5.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	
3/9/2009	<250	6.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
5/28/2009	<250	<5.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	
12/10/2009	<100	<4.0	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	
6/29/2010	<100	<4.0	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-11									
04/25/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
4/25/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/30/2005	<50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/28/2005	<100	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	--	
3/23/2006	<100	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-11 Cont.									
6/5/2006	<100	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
9/19/2006	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
12/1/2006	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
3/1/2007	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
6/1/2007	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
9/13/2007	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
11/21/2007	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
2/29/2008	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
5/23/2008	<250	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	
9/26/2008	<250	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
12/23/2008	<250	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
3/9/2009	<250	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
5/28/2009	<250	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
12/10/2009	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	Obstruction
6/29/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
QC-2									
11/2/1995	--	--	<5.0	--	--	--	--	--	
2/5/1996	--	--	<10	--	--	--	--	--	
4/24/1996	--	--	<10	--	--	--	--	--	
7/16/1996	--	--	<10	--	--	--	--	--	
QCTB									
9/30/2005	--	--	<0.50	--	--	--	--	--	
12/28/2005	--	--	<0.50	--	--	--	--	--	
3/23/2006	--	--	<0.50	--	--	--	--	--	
6/5/2006	--	--	<0.50	--	--	--	--	--	
9/19/2006	--	--	<0.50	--	--	--	--	--	
12/1/2006	--	--	<0.50	--	--	--	--	--	
3/1/2007	--	--	<0.50	--	--	--	--	--	
6/1/2007	--	--	<0.50	--	--	--	--	--	
9/13/2007	--	--	<0.50	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
QCTB Cont.									
11/21/2007	--	--	<0.50	--	--	--	--	--	
2/29/2008	--	--	<0.50	--	--	--	--	--	
5/23/2008	--	--	<0.50	--	--	--	--	--	
9/26/2008	--	--	<1.0	--	--	--	--	--	
12/23/2008	--	--	<1.0	--	--	--	--	--	
3/9/2009	--	--	<1.0	--	--	--	--	--	
5/28/2009	--	--	<1.0	--	--	--	--	--	

Notes:

MTBE = Methyl tert-butyl ether

TBA = Tert-butyl alcohol

DIPE = Di-isopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = Tert-amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

mg/L = Milligrams per liter

µg/L = Micrograms per liter

< = Analyte was not detected above the specified method detection limit; except after 2008 Quarter 3 where reporting limits are used.

-- = Not measured or analyzed

N = Identity of contaminant uncertain (hydrocarbon pattern atypical of indicated analyte); see lab report

ND = Not detected (historical data; reporting limit not reported)

DUP = Duplicate sample

INA = Well inaccessible; not sampled

NS = Well not sampled

Additional notes:

Beginning in the first quarter 2003, VOCs analyzed by EPA Method 8260B.

Note: The data within this table collected prior to December 2009 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
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
3/29/2001	South	0.020
6/27/2001	South	0.020
9/19/2001	South	0.020
12/28/2001	South	0.035
3/12/2002	South-Southeast	0.018
6/13/2002	Northwest to Southeast	0.007
9/6/2002	South	0.010
12/13/2002	Southeast	0.020
2/19/2003	West-Southwest	0.025
6/6/2003	East-Southwest	-
8/7/2003	East-Southwest	-
11/20/2003	Northwest to Southeast	-
2/5/2004	Northwest to Southeast	0.020
4/28/2004	West-Southwest	-
8/26/2004	South-Southwest	0.036
12/1/2004	Northwest to Southeast	0.020
2/2/2005	South	0.020
4/25/2005	Southwest	0.020
9/30/2005	Southwest	0.081
12/28/2005	Southwest	0.081
3/23/2006	Southwest	0.040
6/5/2006	Southwest	0.020
9/19/2006	Southwest	0.013
12/1/2006	Southwest	0.030
3/1/2007	Southwest	0.010
6/1/2007	Southwest	0.025
9/13/2007	Southwest	0.025
11/21/2007	Southwest	0.025
2/29/2008	Southwest	0.060
5/23/2008	Southwest	0.067
9/26/2008	South	0.020
12/23/2008	Southwest	0.020
3/9/2009	Southwest	0.025
5/28/2009	Southwest	0.017
12/10/2009	Southwest	0.020
6/29/2010	Southwest	0.010

The groundwater was flowing in two directions (Northwest and Southeast) during the second quarter of 2002, the fourth quarter of 2003, and the first and fourth quarters of 2004.

Note: The data within this table collected prior to December 2009 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 Analytical Report, Chain-Of-Custody Documentation, and Field Procedures)



BROADBENT & ASSOCIATES, INC.

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-1
 Project Name/Location: 11126 Project #: 09-88002
 Sampler's Name: G. Ford Date: 8/29/10
 Purging Equipment: B.L.V.
 Sampling Equipment: B.L.V.

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 12.00 feet
 Depth to Water: 3.60 feet
 Water Column Thickness: 8.4 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 1.34 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 4.03 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
<u>e</u>	<u>1036</u>	<u>0.53</u>	<u>40</u>		<u>1097</u>	<u>72.0</u>	<u>7.52</u>	
<u>1.5</u>	<u>1037</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>1045</u>	<u>71.2</u>	<u>7.17</u>	
<u>2.5</u>	<u>1040</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>1166</u>	<u>70.4</u>	<u>7.09</u>	
<u>4</u>	<u>1044</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>1191</u>	<u>71.5</u>	<u>7.09</u>	
		<u>X</u>	<u>X</u>	<u>X</u>				
		<u>X</u>	<u>X</u>	<u>X</u>				
		<u>X</u>	<u>X</u>	<u>X</u>				
		<u>X</u>	<u>X</u>	<u>X</u>				

Total Water Volume Purged: 4 gallons
 Depth to Water at Sample Collection: 6.33 feet
 Sample Collection Time: 1047

Purged Dry? (Y/N)

Comments:



BROADBENT & ASSOCIATES, INC.

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-3
 Project Name/Location: 11120 Project #: 09-88-662
 Sampler's Name: E. Ford Date: 6/29/10
 Purging Equipment: Bulk
 Sampling Equipment: Bulk

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 12.00 feet
 Depth to Water: 5.03 feet
 Water Column Thickness: 6.97 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 1.11 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 3.34 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	1223	0.60	-49		1555	71.4	7.43	
1.5	1225	X	X	X	1588	70.00	6.90	
2.5	1227	X	X	X	1645	69.7	6.81	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2.5 gallons
 Depth to Water at Sample Collection: 5.21 feet
 Sample Collection Time: 1230

Purged Dry? (Y/N) (N)

Comments:



BROADBENT & ASSOCIATES, INC.

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-3
 Project Name/Location: 1126 Project #: 09.81.02
 Sampler's Name: E. Farn Date: 6/29/10
 Purging Equipment: Bull
 Sampling Equipment: Bull

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 12.00 feet
 Depth to Water: - 5.85 feet
 Water Column Thickness: = 6.15 feet
 Unit Casing Volume*: 1/6 gallon / foot
 Casing Water Volume: = 0.98 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 2.95 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	0947	0.52	132		4988	67.8	7.36	
1.5	0950	X	X	X	3873	67.5	7.3	
3	0952	X	X	X	4247	67.2	7.36	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 3 gallons
 Depth to Water at Sample Collection: 5.94 feet
 Sample Collection Time: 0957

Purged Dry? (Y/N)

Comments:

Groundwater Sampling Data Sheet

Well I.D.: MW-4
 Project Name/Location: 11120 Project #: 09-88-662
 Sampler's Name: E. Ford Date: 6/29/10
 Purging Equipment: Bur
 Sampling Equipment: Bur

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 1200 feet
 Depth to Water: 6.57 feet
 Water Column Thickness: 5.43 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 0.88 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 2.60 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
<u>0</u>	<u>1205</u>				<u>2409</u>	<u>70.8</u>	<u>7.43</u>	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 1 gallons
 Depth to Water at Sample Collection: 11.43 feet
 Sample Collection Time: 1210
 Purged Dry? (N)

Comments: Pry @ 1 gallon

Groundwater Sampling Data Sheet

Well I.D.: MW-6
 Project Name/Location: BP1112C Project #: 0188-002
 Sampler's Name: E. Ferrer Date: 6/29/10
 Purging Equipment: Bailer
 Sampling Equipment: Bailer

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 64.00 feet
 Depth to Water: 6.18 feet
 Water Column Thickness: = 7.82 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 1.25 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 3.75 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	1012	0.57	100		3443	72.0	7.30	
1.5	1014	X	X	X	2767	72.4	7.21	
2.5	1016	X	X	X	2680	72.5	7.20	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2.5 gallons
 Depth to Water at Sample Collection: 6.39 feet
 Sample Collection Time: 1020

Purged Dry? (Y/N) (Y)

Comments:



BROADBENT & ASSOCIATES, INC.

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-7

Project Name/Location: 17122

Project #: 09188-002

Sampler's Name: E. Ford

Date: 6/25/10

Purging Equipment: Bu2w

Sampling Equipment: Bu2w

Casing Type: PVC

Casing Diameter: 2 inch

Total Well Depth: 19.20 feet

Depth to Water: 5.48 feet

Water Column Thickness: 8.52 feet

Unit Casing Volume*: x 0.18 gallon / foot

Casing Water Volume: = 1.36 gallons

Casing Volume: x 3 each

Estimated Purge Volume: = 4.08 gallons

*UNIT CASING VOLUMES

2" = 0.16 gal/lin ft.

3" = 0.37 gal/lin ft.

4" = 0.65 gal/lin ft.

6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	0920	0.63	131		6894	71.7	7.45	
1.5	0927	X	X	X	4849	73.0	7.35	
2.5	0930	X	X	X	4548	73.3	7.32	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2.5 gallons

Depth to Water at Sample Collection: 5.84 feet

Sample Collection Time: 0935

Purged Dry? (Y/N) (N)

Comments:

Groundwater Sampling Data Sheet

Well I.D.: MW-8
 Project Name/Location: 1112G Project #: 09-88-022
 Sampler's Name: G. Ford Date: 6/29/10
 Purging Equipment: Bur
 Sampling Equipment: Bur

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 14.00 feet
 Depth to Water: 4.71 feet
 Water Column Thickness: 9.29 feet
 Unit Casing Volume*: x 0.161 gallon / foot
 Casing Water Volume: = 2.41 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 7.23 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	1107	0.38	-30		1593	76.4	7.02	
2	1110	X	X	X	1667	74.4	6.99	
4	1112	X	X	X	1729	73.1	6.99	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 4 gallons
 Depth to Water at Sample Collection: 8.60 feet
 Sample Collection Time: 1115

Purged Dry? (Y/N) (N)

Comments:



Groundwater Sampling Data Sheet

Well I.D.: MW-9
 Project Name/Location: 1112C Project #: A. 82.642
 Sampler's Name: Eric Ford Date: 6/20/10
 Purging Equipment: Baker
 Sampling Equipment: Baker

Casing Type: PVC
 Casing Diameter: 4 inch
 Total Well Depth: 14.00 feet
 Depth to Water: 9.30 feet
 Water Column Thickness: 9.70 feet
 Unit Casing Volume*: x 0.65 gallon / foot
 Casing Water Volume: = 6.30 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 18.91 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	1135	0.37	50		863.8	72.4	7.06	
5	1140	X	X	X	932.15	73.8	6.98	
6.5	1142	X	X	X	988.0	71.7	6.98	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 6.5 gallons
 Depth to Water at Sample Collection: 4.45 8.65 feet
 Sample Collection Time: 8:11:15

Purged Dry? (Y/N) (Y)

Comments:



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

Groundwater Sampling Data Sheet

Well I.D.: MW-10
 Project Name/Location: BP 1112B Project #: 09184-692
 Sampler's Name: E. Finn Date: 6/29/10
 Purging Equipment: Bull
 Sampling Equipment: Bull

Casing Type: PVC

Casing Diameter: 2 inch
 Total Well Depth: 20.00 feet
 Depth to Water: 8.43 feet
 Water Column Thickness: = 11.57 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 1.85 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 5.55 gallons

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (uS)	Temperature (Fahrenheit)	pH	Observations
0	0857	1.00	95		4025	68.7	7.11	
1	0839	X	X	X	2797	69.4	7.12	
2.5	0841	X	X	X	2682	69.6	7.05	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 2.5 gallons
 Depth to Water at Sample Collection: 8.61 feet
 Sample Collection Time: 0845

Purged Dry? (Y/N) (Y)

Comments:

Groundwater Sampling Data Sheet

Well I.D.: Mw - 11
 Project Name/Location: BP 117C Project #: 09-88-662
 Sampler's Name: E. Furr Date: 9/24/10
 Purging Equipment: Bur
 Sampling Equipment: Bur

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 24.00 feet
 Depth to Water: 10.14 feet
 Water Column Thickness: 13.81 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 2.20 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 6.62 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	0959	0.47	91		2484	68.4	7.43	
15	0902	X	X	X	2910	66.7	7.38	
3	0904	X	X	X	3228	60.2	7.43	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 3 gallons
 Depth to Water at Sample Collection: 10.28 feet
 Sample Collection Time: 0910

Purged Dry? (Y/N)

Comments:

NO.683409

NON-HAZARDOUS WASTE DATA FORM

BESI #

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 11128
1700 POWELL STREET
EMERYVILLE, CA 94608

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

Container type transported to receiving facility:

Drums Vacuum Truck Roll-off Truck Dump Truck

Other _____

Other _____

Quantity **31.5 Gallons**

Quantity _____ Volume _____

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE PPM %

COMPONENTS OF WASTE PPM %

1. WATER _____ 99-100%

3. _____

2. TPH _____ <1%

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 Leamer Signature _____

On Behalf of BP West Coast Products, LLC

Month Day Year

8 1 10

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

Transporter 1 Company Name

BAI

Phone#

707-455-7290

Transporter 1 Printed/Typed Name

Erik Fern

Signature

Month Day Year

7 13 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

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.

GENERATOR

TRANSPORTER

RECEIVING FACILITY

ANALYTICAL REPORT

Job Number: 720-29015-1

Job Description: BP #11126, Emeryville

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



Approved for release.
Afsaneh Sallimpour
Project Manager I
7/14/2010 10:31 AM

Designee for
Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
07/14/2010

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

Job Narrative
720-29015-1

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.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-29015-1	MW-1 (6/29/10)				
Benzene		18	0.50	ug/L	8260B/CA_LUFTMS
Toluene		1.3	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		4.3	1.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		530	50	ug/L	8260B/CA_LUFTMS
TBA		2000	4.0	ug/L	8260B/CA_LUFTMS
TAME		1.2	0.50	ug/L	8260B/CA_LUFTMS
720-29015-2	MW-2 (6/29/10)				
MTBE		770	25	ug/L	8260B/CA_LUFTMS
Benzene		800	25	ug/L	8260B/CA_LUFTMS
Ethylbenzene		250	25	ug/L	8260B/CA_LUFTMS
Xylenes, Total		300	50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		5300	2500	ug/L	8260B/CA_LUFTMS
TBA		31000	200	ug/L	8260B/CA_LUFTMS
720-29015-3	MW-3 (6/29/10)				
MTBE		1.9	0.50	ug/L	8260B/CA_LUFTMS
TBA		2900	4.0	ug/L	8260B/CA_LUFTMS
Diesel Range Organics [C10-C28]		2700	50	ug/L	8015B
720-29015-4	MW-4 (6/29/10)				
MTBE		7.3	5.0	ug/L	8260B/CA_LUFTMS
TBA		38000	40	ug/L	8260B/CA_LUFTMS
720-29015-5	MW-6 (6/29/10)				
MTBE		2.7	0.50	ug/L	8260B/CA_LUFTMS
TBA		49	4.0	ug/L	8260B/CA_LUFTMS
720-29015-6	MW-7 (6/29/10)				
MTBE		3.0	0.50	ug/L	8260B/CA_LUFTMS
TBA		2000	4.0	ug/L	8260B/CA_LUFTMS
720-29015-7	MW-8 (6/29/10)				
MTBE		10	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		170	50	ug/L	8260B/CA_LUFTMS
TBA		1700	4.0	ug/L	8260B/CA_LUFTMS

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-29015-8	MW-9 (6/29/10)				
MTBE		1200	10	ug/L	8260B/CA_LUFTMS
Benzene		680	10	ug/L	8260B/CA_LUFTMS
Ethylbenzene		110	10	ug/L	8260B/CA_LUFTMS
Toluene		15	10	ug/L	8260B/CA_LUFTMS
Xylenes, Total		130	20	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		4200	1000	ug/L	8260B/CA_LUFTMS
TBA		4200	80	ug/L	8260B/CA_LUFTMS
TAME		30	10	ug/L	8260B/CA_LUFTMS
720-29015-9	MW-10 (6/29/10)				
MTBE		1.6	0.50	ug/L	8260B/CA_LUFTMS

METHOD SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

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
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C

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.

METHOD / ANALYST SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Chen, Amy	AC
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-29015-1	MW-1 (6/29/10)	Water	06/29/2010 1047	06/29/2010 1330
720-29015-2	MW-2 (6/29/10)	Water	06/29/2010 1230	06/29/2010 1330
720-29015-3	MW-3 (6/29/10)	Water	06/29/2010 0957	06/29/2010 1330
720-29015-4	MW-4 (6/29/10)	Water	06/29/2010 1210	06/29/2010 1330
720-29015-5	MW-6 (6/29/10)	Water	06/29/2010 1020	06/29/2010 1330
720-29015-6	MW-7 (6/29/10)	Water	06/29/2010 0935	06/29/2010 1330
720-29015-7	MW-8 (6/29/10)	Water	06/29/2010 1115	06/29/2010 1330
720-29015-8	MW-9 (6/29/10)	Water	06/29/2010 1145	06/29/2010 1330
720-29015-9	MW-10 (6/29/10)	Water	06/29/2010 0845	06/29/2010 1330
720-29015-10	MW-11 (6/29/10)	Water	06/29/2010 0910	06/29/2010 1330

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-1 (6/29/10)

Lab Sample ID: 720-29015-1

Date Sampled: 06/29/2010 1047

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071025.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 07/07/2010 2213 Final Weight/Volume: 10 mL
Date Prepared: 07/07/2010 2213

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
Benzene	18		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	1.3		0.50
Xylenes, Total	4.3		1.0
Gasoline Range Organics (GRO)-C6-C12	530		50
TBA	2000		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	1.2		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		67 - 130
Toluene-d8 (Surr)	101		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-2 (6/29/10)

Lab Sample ID: 720-29015-2

Date Sampled: 06/29/2010 1230

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071028.D
Dilution: 50 Initial Weight/Volume: 10 mL
Date Analyzed: 07/07/2010 2350 Final Weight/Volume: 10 mL
Date Prepared: 07/07/2010 2350

Analyte	Result (ug/L)	Qualifier	RL
MTBE	770		25
Benzene	800		25
EDB	ND		25
1,2-DCA	ND		25
Ethylbenzene	250		25
Toluene	ND		25
Xylenes, Total	300		50
Gasoline Range Organics (GRO)-C6-C12	5300		2500
TBA	31000		200
Ethanol	ND		5000
DIPE	ND		25
TAME	ND		25
Ethyl t-butyl ether	ND		25

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		67 - 130
Toluene-d8 (Surr)	98		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-3 (6/29/10)

Lab Sample ID: 720-29015-3

Date Sampled: 06/29/2010 0957

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-74214	Instrument ID:	HP9
Preparation:	5030B		Lab File ID:	07071029.D
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	07/08/2010 0022		Final Weight/Volume:	10 mL
Date Prepared:	07/08/2010 0022			

Analyte	Result (ug/L)	Qualifier	RL
MTBE	1.9		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
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	2900		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		67 - 130
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-4 (6/29/10)

Lab Sample ID: 720-29015-4

Date Sampled: 06/29/2010 1210

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071030.D
Dilution: 10 Initial Weight/Volume: 10 mL
Date Analyzed: 07/08/2010 0054 Final Weight/Volume: 10 mL
Date Prepared: 07/08/2010 0054

Analyte	Result (ug/L)	Qualifier	RL
MTBE	7.3		5.0
Benzene	ND		5.0
EDB	ND		5.0
1,2-DCA	ND		5.0
Ethylbenzene	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C6-C12	ND		500
TBA	38000		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	92		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-6 (6/29/10)

Lab Sample ID: 720-29015-5

Date Sampled: 06/29/2010 1020

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071031.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 07/08/2010 0126 Final Weight/Volume: 10 mL
Date Prepared: 07/08/2010 0126

Analyte	Result (ug/L)	Qualifier	RL
MTBE	2.7		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
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	49		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-7 (6/29/10)

Lab Sample ID: 720-29015-6

Date Sampled: 06/29/2010 0935

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071032.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 07/08/2010 0158 Final Weight/Volume: 10 mL
Date Prepared: 07/08/2010 0158

Analyte	Result (ug/L)	Qualifier	RL
MTBE	3.0		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
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	2000		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-8 (6/29/10)

Lab Sample ID: 720-29015-7

Date Sampled: 06/29/2010 1115

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071033.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 07/08/2010 0229 Final Weight/Volume: 10 mL
Date Prepared: 07/08/2010 0229

Analyte	Result (ug/L)	Qualifier	RL
MTBE	10		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
Gasoline Range Organics (GRO)-C6-C12	170		50
TBA	1700		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		67 - 130
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-9 (6/29/10)

Lab Sample ID: 720-29015-8

Client Matrix: Water

Date Sampled: 06/29/2010 1145

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071034.D
Dilution: 20 Initial Weight/Volume: 10 mL
Date Analyzed: 07/08/2010 0301 Final Weight/Volume: 10 mL
Date Prepared: 07/08/2010 0301

Analyte	Result (ug/L)	Qualifier	RL
MTBE	1200		10
Benzene	680		10
EDB	ND		10
1,2-DCA	ND		10
Ethylbenzene	110		10
Toluene	15		10
Xylenes, Total	130		20
Gasoline Range Organics (GRO)-C6-C12	4200		1000
TBA	4200		80
Ethanol	ND		2000
DIPE	ND		10
TAME	30		10
Ethyl t-butyl ether	ND		10

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

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-10 (6/29/10)

Lab Sample ID: 720-29015-9

Date Sampled: 06/29/2010 0845

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071035.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 07/08/2010 0333 Final Weight/Volume: 10 mL
Date Prepared: 07/08/2010 0333

Analyte	Result (ug/L)	Qualifier	RL
MTBE	1.6		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
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		67 - 130
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-11 (6/29/10)

Lab Sample ID: 720-29015-10

Date Sampled: 06/29/2010 0910

Client Matrix: Water

Date Received: 06/29/2010 1330

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74214 Instrument ID: HP9
Preparation: 5030B Lab File ID: 07071036.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 07/08/2010 0405 Final Weight/Volume: 10 mL
Date Prepared: 07/08/2010 0405

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
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90		67 - 130
1,2-Dichloroethane-d4 (Surr)	99		67 - 130
Toluene-d8 (Surr)	94		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Client Sample ID: MW-3 (6/29/10)

Lab Sample ID: 720-29015-3

Date Sampled: 06/29/2010 0957

Client Matrix: Water

Date Received: 06/29/2010 1330

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 720-73937	Instrument ID:	CHDRO5
Preparation:	3510C	Prep Batch: 720-73920	Initial Weight/Volume:	1000 mL
Dilution:	1.0		Final Weight/Volume:	2 mL
Date Analyzed:	07/01/2010 0934		Injection Volume:	1 uL
Date Prepared:	06/30/2010 1504		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	2700		50
Surrogate	%Rec	Qualifier	Acceptance Limits
p-Terphenyl	70		23 - 156

DATA REPORTING QUALIFIERS

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Lab Section	Qualifier	Description
GC/MS VOA	F	MS or MSD exceeds the control limits

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-74214					
LCS 720-74214/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-74214/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-74214/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-74214/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-74214/4	Method Blank	T	Water	8260B/CA_LUFT	
720-29015-1	MW-1 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-1MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-29015-1MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-29015-2	MW-2 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-3	MW-3 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-4	MW-4 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-5	MW-6 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-6	MW-7 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-7	MW-8 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-8	MW-9 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-9	MW-10 (6/29/10)	T	Water	8260B/CA_LUFT	
720-29015-10	MW-11 (6/29/10)	T	Water	8260B/CA_LUFT	

Report Basis

T = Total

GC Semi VOA

Prep Batch: 720-73920					
LCS 720-73920/2-A	Lab Control Sample	T	Water	3510C	
LCSD 720-73920/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 720-73920/1-A	Method Blank	T	Water	3510C	
720-29015-3	MW-3 (6/29/10)	T	Water	3510C	
Analysis Batch:720-73937					
LCS 720-73920/2-A	Lab Control Sample	T	Water	8015B	720-73920
LCSD 720-73920/3-A	Lab Control Sample Duplicate	T	Water	8015B	720-73920
MB 720-73920/1-A	Method Blank	T	Water	8015B	720-73920
720-29015-3	MW-3 (6/29/10)	T	Water	8015B	720-73920

Report Basis

T = Total

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Method Blank - Batch: 720-74214

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-74214/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1819
Date Prepared: 07/07/2010 1819

Analysis Batch: 720-74214
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 07071018.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
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	89	67 - 130	
1,2-Dichloroethane-d4 (Surr)	96	67 - 130	
Toluene-d8 (Surr)	93	70 - 130	

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-74214**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-74214/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1851
Date Prepared: 07/07/2010 1851

Analysis Batch: 720-74214
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 07071019.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-74214/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1923
Date Prepared: 07/07/2010 1923

Analysis Batch: 720-74214
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 07071020.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
MTBE	97	98	62 - 130	1	20		
Benzene	95	96	82 - 127	1	20		
EDB	101	100	70 - 130	1	20		
1,2-DCA	91	91	70 - 126	0	20		
Ethylbenzene	107	106	86 - 135	1	20		
Toluene	94	95	83 - 129	0	20		
TBA	100	99	82 - 116	1	20		
Ethanol	102	106	31 - 216	4	20		
DIPE	97	98	74 - 155	1	20		
TAME	102	102	79 - 129	0	20		
Ethyl t-butyl ether	97	98	70 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	100		99		67 - 130		
1,2-Dichloroethane-d4 (Surr)	92		93		67 - 130		
Toluene-d8 (Surr)	95		97		70 - 130		

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-74214**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-74214/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1955
Date Prepared: 07/07/2010 1955

Analysis Batch: 720-74214
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 07071021.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-74214/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 2027
Date Prepared: 07/07/2010 2027

Analysis Batch: 720-74214
Prep Batch: N/A
Units: ug/L

Instrument ID: HP9
Lab File ID: 07071022.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C6-C12	78	77	58 - 106	0	20		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	97		98	67 - 130			
1,2-Dichloroethane-d4 (Surr)	95		95	67 - 130			
Toluene-d8 (Surr)	97		97	70 - 130			

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-74214**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-29015-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 2246
Date Prepared: 07/07/2010 2246

Analysis Batch: 720-74214
Prep Batch: N/A

Instrument ID: HP9
Lab File ID: 07071026.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-29015-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 2318
Date Prepared: 07/07/2010 2318

Analysis Batch: 720-74214
Prep Batch: N/A

Instrument ID: HP9
Lab File ID: 07071027.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
MTBE	259	267	60 - 138	3	20	F	F
Benzene	96	96	60 - 140	0	20		
EDB	106	108	60 - 140	2	20		
1,2-DCA	96	97	60 - 140	1	20		
Ethylbenzene	102	102	60 - 140	0	20		
Toluene	90	90	60 - 140	0	20		
TBA	92	91	60 - 140	0	20		
Ethanol	95	88	60 - 140	8	20		
DIPE	104	105	60 - 140	0	20		
TAME	108	116	60 - 140	7	20		
Ethyl t-butyl ether	104	106	60 - 140	2	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	102		103	67 - 130			
1,2-Dichloroethane-d4 (Surr)	95		96	67 - 130			
Toluene-d8 (Surr)	101		101	70 - 130			

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Method Blank - Batch: 720-73920

Lab Sample ID: MB 720-73920/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/01/2010 0909
 Date Prepared: 06/30/2010 1504

Analysis Batch: 720-73937
 Prep Batch: 720-73920
 Units: ug/L

**Method: 8015B
 Preparation: 3510C**

Instrument ID: CHDRO5
 Lab File ID: 0701105b_013.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
p-Terphenyl	135		23 - 156

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-73920**

LCS Lab Sample ID: LCS 720-73920/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/01/2010 0820
 Date Prepared: 06/30/2010 1504

Analysis Batch: 720-73937
 Prep Batch: 720-73920
 Units: ug/L

**Method: 8015B
 Preparation: 3510C**

Instrument ID: CHDRO5
 Lab File ID: 0701105b_011.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-73920/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/01/2010 0844
 Date Prepared: 06/30/2010 1504

Analysis Batch: 720-73937
 Prep Batch: 720-73920
 Units: ug/L

Instrument ID: CHDRO5
 Lab File ID: 0701105b_012.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	93	109	40 - 150	16	35		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
p-Terphenyl	121	122			23 - 156		

San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

phone 925.484.1919 fax 925.600.3002

720-29015 Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

125341
TestAmerica Laboratories, Inc.

Client Contact Broadbent and Associates, Inc. Address: 1324 Mangrove Ave. Suite 212 City/State/Zip: Chico, CA 95926 (530) 566-1400 Phone (530) 566-1401 FAX Project Name: BP 11126 Site: 1700 Powell Street, Emeryville, CA P O # GP09BPNA.C044	Project Manager: Jason Duda Tel/Fax: 530-566-1400/530-566-1401 Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below Standard <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day	Site Contact: Lab Contact: Dimple Sharma	Date: Carrier:	COC No: of 1 COCs Job No. SDG No.
--	--	--	--------------------------	--

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	GRO by 8260B	BTEX and 5 Oxy by 8260B	EDB, 1,2-DCA, and Ethanol by 8260B	DRO by 8015	Sample Specific Notes:
MW-1 (6/29/10)	6/29/10	1017	Grab	W	3	X	X	X			
MW-2 (6/29/10)		1230	Grab	W	3	X	X	X			
MW-3 (6/29/10)		0957	Grab	W	5	X	X	X	X		
MW-4 (6/29/10)		1210	Grab	W	3	X	X	X			
MW-5			Grab	W	3	X	X	X			Not collected
MW-6 (6/29/10)		1020	Grab	W	3	X	X	X			
MW-7 (6/29/10)		0935	Grab	W	3	X	X	X			
MW-8 (6/29/10)		1115	Grab	W	3	X	X	X			
MW-9 (6/29/10)		1143	Grab	W	3	X	X	X			
MW-10 (6/29/10)		0945	Grab	W	3	X	X	X			
MW-11 (6/29/10)		0910	Grab	W	3	X	X	X			
IB-1126 (6/29/10)											Hold TB

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: Invoice To: Hollis Phillips, ARCADIS-US, Inc.

Relinquished by: Eric Farrer	Company: BAI	Date/Time: 150/6/29/10	Received by: John Muller	Company: TestAmerica	Date/Time: 6-29-10 1330
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

125341
 Page 26 of 27
 1097890

07/14/2010

Login Sample Receipt Check List

Client: ARCADIS U.S., Inc.

Job Number: 720-29015-1

Login Number: 29015

Creator: Mullen, Joan

List Number: 1

List Source: TestAmerica San Francisco

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 well 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!

<u>Submittal Type:</u>	GEO_WELL
<u>Submittal Title:</u>	2Q10 GEO_WELL 11126
<u>Facility Global ID:</u>	T0600100208
<u>Facility Name:</u>	BP #11126
<u>File Name:</u>	GEO_WELL.zip
<u>Organization Name:</u>	Broadbent & Associates, Inc.
<u>Username:</u>	BROADBENT-C
<u>IP Address:</u>	67.118.40.90
<u>Submittal Date/Time:</u>	7/20/2010 11:39:33 AM
<u>Confirmation Number:</u>	1611329078

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<u>Submittal Title:</u>	2Q10 GW Monitoring
<u>Facility Global ID:</u>	T0600100208
<u>Facility Name:</u>	BP #11126
<u>File Name:</u>	720-29015-1.zip
<u>Organization Name:</u>	Broadbent & Associates, Inc.
<u>Username:</u>	BROADBENT-C
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