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Ms. Dilan Roe
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

ARCADIS U.S., Inc.
100 Montgomery Street
Suite 300
San Francisco
California 94104
Tel 415.374.2744
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Subject:
Third Quarter 2013 Groundwater Monitoring Report
Former BP Service Station No. 11132
3201 35th Avenue
Oakland, California 94619
Alameda County Local Oversight Program Case # RO0000014

ENVIRONMENT

Dear Ms. Roe:

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

Date:
October 18, 2013

Submitted by:

ARCADIS U.S., Inc

Contact:
Hollis Phillips

Phone:
415.432.6903

Email:
Hollis.Phillips@
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Hollis E. Phillips, P.G. (No. 6887)
Project Manager/Principal Geologist



Our ref:
GP09BPNA.C112

Ms. Dilan Roe
Alameda County LOP
1131 Harbor Bay Parkway
Alameda, California 94502

Subject:

Third Quarter 2013

Groundwater Monitoring Report

Former Atlantic Richfield Company Station #11132
3201 35th Avenue, Oakland, California 94619
Alameda County LOP Case #RO0000014
SFB-RWQCB Case #01-0227

Dear Mr. Brown:

ARCADIS U.S., Inc. (ARCADIS) has prepared this semi-annual groundwater monitoring report (GMR) to document the results of groundwater monitoring and sampling at the former Atlantic Richfield Company (ARCO) Service Station #11132, located at 3201 35th Avenue in Oakland, California (the Site; Figure 1).

1. Summary

1.1 Work Performed During Third Quarter 2013

- Conducted groundwater monitoring and sampling for the Third Quarter 2013 on August 1, 2013.
- Prepared and submitted the *Third Quarter 2013 semi-annual groundwater monitoring report*, dated October 18, 2013.

1.2 Work Proposed for First Quarter 2014

- Conduct groundwater monitoring and sampling for First Quarter 2014.
- Prepare and submit the *First Quarter 2014 Semi-Annual Groundwater Monitoring Report*.

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ENVIRONMENT

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October 18, 2013

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GP09BPNA.C112.N0000

SITE INFORMATION

Current Phase of Project:	Groundwater Monitoring and Sampling
Frequency of Monitoring and Sampling	Semi-Annual Gauging (1/3Q): MW-1 through MW-10 and RW-1 Semi-Annual Sampling (1/3Q): MW-1, MW-2, MW-5, MW-8 through MW-10, RW-1 Annual Sampling (1Q): MW-4 and MW-7
Have Liquid Phase Hydrocarbons (LPH) Been Measured Onsite, Historically?	Yes
Historical Range in Depth to Water (DTW; feet below top of casing [btoc]):	32.20 (RW-1 2Q/1994) to 9.11 (MW-8 3Q/2007)

CURRENT QUARTER MONITORING DATA

Wells Gauged:	MW-1 through MW-10, RW-1
Wells Sampled:	MW-2, MW-5, MW-8, MW-9
Monitoring and Sampling Date:	August 1, 2013
LPH Measured This Quarter:	Yes
LPH Recovered This Quarter:	None
Cumulative LPH Recovered to Date:	None
DTW Range (feet btoc):	18.27 (MW-6) to 22.43 (MW-4)
Groundwater Flow Direction and Gradient (feet/foot):	Southwest at 0.007

CURRENT QUARTER ANALYTICAL DATA

Constituents	Number of Detections Above LRL : Total Samples Collected	Minimum Detected Concentration, in µg/L (Sample ID)	Maximum Detected Concentration, in µg/L (Sample ID)
GRO	3 : 4	5,300 (MW-8)	43,000 (MW-2)
Benzene	3 : 4	4.8 (MW-9)	9,100 (MW-2)
Toluene	2 : 4	20 (MW-8)	630 (MW-2)
Ethylbenzene	3 : 4	36 (MW-9)	2,800 (MW-2)
Total Xylenes	3 : 4	21 (MW-9)	9,700 (MW-2)
MTBE	2 : 4	27 (MW-5)	220 (MW-2)
TBA	1 : 4	250 (MW-5)	250 (MW-5)
DIPE	0 : 4	--	--
ETBE	0 : 4	--	--
TAME	0 : 4	--	--
Ethanol	0 : 4	--	--



EDB	0 : 4	--	--
1,2-DCA	0 : 4	--	--

Explanations:

µg/L = Micrograms per liter
GRO = Gasoline range organics
TBA = Tert-butyl alcohol
ETBE = Ethyl tert-butyl ether
EDB = 1,2-dibromoethane

LRL = Laboratory reporting limit
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
TAME = Tert-amyl methyl ether
1,2-DCA = 1,2-dichloroethane

2. Groundwater Monitoring and Sampling

2.1 Monitoring and Sampling Procedures

During the Third Quarter 2013 sampling event, HydraSleeves were used to collect groundwater samples at the Site. Prior to groundwater sampling, depths to water were measured to within 0.01 feet below top of casing (btoc) in wells MW-1 through MW-10 and RW-1 using an oil/water interface probe. Samples were collected from wells MW-2, MW-5, MW-8 and MW-9. Monitoring wells MW-1, MW-10, and RW-1 were not sampled due to the presence of LPH. Field methods used during groundwater monitoring are provided in Attachment A.

All monitoring and sampling activities for the Site during the Third Quarter 2013 were performed by Broadbent and Associates, Inc. (Broadbent) and reviewed and certified by a Broadbent California Professional Geologist. The groundwater sampling data package is included as Attachment B.

2.2 Groundwater Sample Analysis

Groundwater samples collected from wells MW-2, MW-5, MW-8 and MW-9 were submitted under chain-of-custody protocol to Test America Laboratories, Inc. (Test America), a California state-certified laboratory. Samples were analyzed for GRO by EPA Method 8015B, benzene, toluene, ethylbenzene, and xylenes (collectively BTEX), MTBE, TBA, DIPE, ETBE, TAME, ethanol, 1,2-DCA, and EDB by EPA Method 8260B. The certified laboratory analytical report, including chain-of-custody documentation, is included as Attachment C.

2.3 Quality Assurance/Quality Control

No issues were noted by Test America during sample analysis that would have an adverse affect on the quality of the data and no issues affecting the sampling protocol were noted.

3. Results and Discussion

The depth to water measurements and analytical data presented this quarter are consistent with historical measurements.

Depth to water at the Site ranged from 18.27 feet btoc at MW-6 to 22.43 feet btoc at MW-4, consistent with historical measurements. Resulting groundwater surface elevations ranged from 146.50 feet at MW-5 to



147.93 feet at MW-4. Water level elevations yielded a potentiometric groundwater gradient to the southwest at approximately 0.007 feet/foot. Groundwater elevation contours are presented on Figure 2.

GRO and benzene were detected above LRLs in wells MW-2, MW-8 and MW-9. MTBE was detected above LRLs in wells MW-2 and MW-5. TBA was detected above the LRL in well MW-5. Current groundwater monitoring and sampling data are summarized in Table 1, and presented on Figure 3. Historical groundwater monitoring and sampling results are summarized in Table 2. Groundwater flow direction and gradient information are presented in Table 3.

Starting in the Third Quarter 2012, ARCADIS began preparing the semi-annual groundwater monitoring reports for the Site. Historical tables provided by Broadbent, including analytical results for fuel oxygenates (analyzed from Third Quarter 1993 to First Quarter 2012), are provided in Attachment D.

4. Recommendations

Continued groundwater monitoring and sampling on a semi-annual basis in accordance with the approved schedule is recommended.

5. Limitations

The findings presented in this report are based upon observations of field personnel, points investigated, results of laboratory tests performed by Test America, and our understanding of SF-RWQCB requirements. 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 and Atlantic Richfield Company. It is possible that variations in soil or groundwater 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.

If you have any questions or comments regarding the contents of this report, please contact Hollis Phillips at 415.432.6903 or by e-mail at hollis.phillips@arcadis-us.com.

Licensed approver:

A handwritten signature in blue ink that reads "H.E. Phillips".

Hollis Phillips, P.G.
Principal Geologist, Certified Project Manager



Tables

- Table 1 Current Groundwater Monitoring and Analytical Data
- Table 2 Historical Groundwater Monitoring and Analytical Data
- Table 3 Historical Groundwater Flow Direction and Gradient

Figures

- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation Contour Map – August 1, 2013
- Figure 3 Groundwater Analytical Summary Map – August 1, 2013

Attachments

- Attachment A Field Methods
- Attachment B Groundwater Sampling Data Package
- Attachment C Certified Laboratory Analytical Report and Chain of Custody Documentation
- Attachment D Historical Tables Provided by Broadbent

cc: Ms. Dilan Roe, Alameda County Environmental Health
Ms. Shelby Lathrop, ConocoPhillips, 76 Broadway, Sacramento, California 95818

ARCADIS

Tables

**Table 1
Current Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619**

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-1	8/1/2013		169.75	22.25	0.15	147.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(LPH)	
MW-2	8/1/2013		168.14	21.10	--	147.04	43,000	9,100	630	2,800	9,700	220	<2,000	<100	<100	<100	<50,000	<100	<100	1.84		
MW-3	8/1/2013		167.17	19.78	--	147.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/1/2013		170.36	22.43	--	147.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	8/1/2013		165.14	18.64	--	146.50	<50	<0.50	<0.50	<0.50	<1.0	27	250	<0.50	<0.50	<0.50	<250	<0.50	<0.50	2.12		
MW-6	8/1/2013		165.40	18.27	--	147.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/1/2013		168.08	20.68	--	147.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	8/1/2013		165.74	18.96	--	146.78	5,300	140	20	220	190	<5.0	<100	<5.0	<5.0	<5.0	<2,500	<5.0	<5.0	2.04		
MW-9	8/1/2013		166.20	19.16	--	147.04	5,500	4.8	<2.5	36	21	<2.5	<50	<2.5	<2.5	<2.5	<1,300	<2.5	<2.5	1.87		
MW-10	8/1/2013		167.01	20.03	0.01	146.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(LPH)
RW-1	8/1/2013		168.01	20.50	0.01	147.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(LPH)

Notes:

TOC = Top of casing measured
 DTW = Depth to water
 LNAPL = Light non-aqueous phase liquid (LPH)
 GW Elev = Groundwater elevation
 GRO = Gasoline range organics
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Total xylenes
 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
 DO = Dissolved oxygen
 Ft msl = Feet above mean sea level
 -- = Not analyzed/applicable/measured/available
 < = Not detected at or above specified laboratory reporting limit
 mg/L = Milligrams per liter
 µg/L = Micrograms per liter

Beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list; TPHg was changed to GRO; the resulting data may be impacted by the potential of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported

Beginning in the Second Quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12

Values for DO and pH were obtained through field measurements

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

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

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-1	3/7/1991		169.75	20.59	--	149.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/1/1991		169.75	16.51	0.15	153.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	7/3/1992		169.75	22.30	0.27	147.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	10/5/1992		169.75	23.98	0.24	145.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/13/1993		169.75	17.03	0.24	152.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/23/1993		169.75	18.10	0.42	151.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	7/12/1993		169.75	22.02	0.49	147.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	10/21/1993		169.75	25.12	1.09	143.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/21/1994		169.75	23.02	0.76	145.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/20/1994		169.75	24.54	1.8	143.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/1/1994		169.75	24.11	0.35	145.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	12/23/1994		169.75	18.19	--	151.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/26/1995		169.75	16.25	1.1	152.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	6/8/1995		169.75	22.92	--	146.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/22/1995		169.75	24.45	0.85	144.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	10/27/1995		169.75	25.41	--	143.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/25/1996		169.75	18.20	--	151.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/19/1996		169.75	19.06	1.22	149.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	7/23/1996		169.75	22.98	0.89	145.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/11/1996		169.75	23.99	0.89	144.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/21/1997		169.75	16.80	0.9	152.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/29/1997		169.75	21.90	0.85	147.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/30/1997		--	--	--	--	100,000	3,600	8,000	4,000	21,300	7,700	--	--	--	--	--	--	--	--	5.2	
MW-1	4/30/1997	Dup	--	--	--	--	92,000	3,500	8,100	4,400	23,800	6,900	--	--	--	--	--	--	--	--	--	(Dup)
MW-1	8/21/1997		169.75	23.40	--	146.35	140,000	3,000	8,500	3,900	22,100	5,700	--	--	--	--	--	--	--	--	5.3	
MW-1	8/21/1997	Dup	169.75	23.40	--	146.35	120,000	3,200	8,100	3,800	19,600	5,200	--	--	--	--	--	--	--	--	--	(Dup)
MW-1	11/5/1997		169.75	23.70	--	145.51	68,000	6,200	4,400	3,300	14,300	8,000	--	--	--	--	--	--	--	--	4.7	
MW-1	11/5/1997	Dup	169.75	23.70	--	145.51	88,000	7,300	4,800	3,600	16,900	8,200	--	--	--	--	--	--	--	--	--	(Dup)
MW-1	2/3/1998		169.75	13.63	0.32	155.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/4/1998		--	--	--	--	190,000	2,200	10,000	5,600	32,000	<10,000	--	--	--	--	--	--	--	--	5.3	
MW-1	2/4/1998	Dup	--	--	--	--	160,000	2,300	8,400	5,000	29,400	<10,000	--	--	--	--	--	--	--	--	--	(Dup)
MW-1	5/28/1998		169.75	18.03	0.17	151.55	87,000	980	3,900	3,600	19,000	2,900	--	--	--	--	--	--	--	--	3.8	
MW-1	12/30/1998		169.75	19.50	0.08	150.17	70,000	530	3,200	2,900	16,000	3,600	--	--	--	--	--	--	--	--	--	
MW-1	2/2/1999		169.75	18.93	0.03	150.79	79,000	480	3,100	3,500	21,000	3,500	--	--	--	--	--	--	--	--	--	
MW-1	5/10/1999		169.75	18.28	0.03	151.44	110,000	160	1,900	3,700	24,000	3,000	--	--	--	--	--	--	--	--	--	
MW-1	8/24/1999		169.75	20.13	0.06	149.56	110,000	850	1,300	1,900	19,000	<50	--	--	--	--	--	--	--	--	--	
MW-1	11/3/1999		169.75	22.27	0.36	147.12	65,000	6,300	1,100	3,300	9,500	8,900	--	--	--	--	--	--	--	--	--	
MW-1	3/1/2000		169.75	14.79	0.23	154.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	4/21/2000		169.75	18.10	0.33	151.32	61,000	330	780	2,700	17,000	1,300	--	--	--	--	--	--	--	--	--	
MW-1	7/31/2000		169.75	21.60	0.53	147.62	1,500,000	340	2,100	24,000	120,000	2,700	--	--	--	--	--	--	--	--	--	
MW-1	11/20/2000		169.75	21.69	0.37	147.69	1,700,000	1,800	2,300	19,000	93,000	3,900	--	--	--	--	--	--	--	--	--	
MW-1	2/18/2001		169.75	16.70	0.13	152.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/26/2001		169.75	14.38	0.15	155.22	100,000	658	466	4,210	15,000	1,890	--	--	--	--	--	--	--	--	--	
MW-1	6/7/2001		169.75	20.78	--	148.97	70,000	705	440	3,870	12,200	2,720	--	--	--	--	--	--	--	--	--	
MW-1	9/5/2001		169.75	23.36	0.35	146.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/30/2001		169.75	20.85	0.41	148.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	12/6/2001		169.75	18.72	0.27	150.76	39,000	3,500	237	2,150	4,500	5,400	--	--	--	--	--	--	--	--	--	
MW-1	2/20/2002		169.75	17.43	0.15	152.17	52,000	465	271	1,600	11,400	106	--	--	--	--	--	--	--	--	--	
MW-1	6/20/2002		169.75	21.18	0.34	148.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	9/11/2002		169.75	22.86	0.4	146.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/12/2002		169.75	22.65	0.37	146.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	1/29/2003		169.75	18.15	0.3	151.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	5/22/2003		169.75	18.49	0.2	151.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	6/24/2003		169.75	21.44	0.35	147.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	7/28/2003		169.75	22.72	0.35	146.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	8/12/2003		169.75	22.64	0.23	146.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	9/12/2003		169.75	20.70	0.24	148.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	11/18/2003		169.75	21.70	0.25	148.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes
MW-1	2/23/2004		169.75	16.34	0.09	153.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/4/2004		169.75	21.28	0.16	148.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/4/2004		169.75	22.54	0.1	147.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	9/22/2004		169.75	22.76	0.2	147.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/10/2004		169.75	20.19	0.14	149.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	1/13/2005		169.75	14.58	0.03	155.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/15/2005		169.75	16.13	0.04	153.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/7/2005		169.75	13.31	0.01	156.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/16/2005		169.75	15.74	0.02	154.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/17/2005		169.75	21.15	0.08	148.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/18/2005		169.75	20.15	--	149.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/7/2006		169.75	15.19	0.01	154.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/19/2006		169.75	17.42	--	152.33	44,000	73	510	3,300	5,300	86	<400	<10	<10	<10	<6,000	<10	<10	--	--
MW-1	8/23/2006		169.75	22.01	0.14	147.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/15/2006		169.75	21.98	0.18	147.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/14/2007		169.75	17.12	0.17	152.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/22/2007		169.75	19.49	0.01	150.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/15/2007		169.75	22.24	0.01	147.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/8/2007		169.75	21.84	0.01	147.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/20/2008		169.75	16.52	0.02	153.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/7/2008		169.75	20.91	0.02	148.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/20/2008		169.75	22.77	0.02	146.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/17/2008		169.75	22.05	--	147.70	27,000	780	30	1,800	1,400	590	350	<10	<10	27	<6,000	<10	<10	--	--
MW-1	2/25/2009		169.75	15.28	0.02	154.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	4/8/2009		169.75	18.18	--	151.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/28/2009		169.75	19.62	0.01	150.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/16/2009		169.75	20.94	0.01	148.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/6/2009		169.75	22.31	0.01	147.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/4/2010		169.75	14.27	--	155.48	14,000	45	<10	610	390	<10	<80	<10	<10	<10	<2,000	<10	<10	0.54	(P)
MW-1	9/2/2010		169.75	22.32	--	147.43	8,200	10	<5.0	230	140	<5.0	<40	<5.0	<5.0	<5.0	<1,000	<5	<5	--	(NP)
MW-1	3/15/2011		169.75	14.99	--	154.76	4,500	<5.0	<5.0	56	30	16	<40	<5.0	<5.0	<5.0	<2,500	<5	<5	--	(P,t)
MW-1	8/17/2011		169.75	20.41	--	149.34	1,200	<1.0	<1.0	24	15	8.3	<8.0	<1.0	<1.0	<1.0	<500	<1	<1	--	(P)
MW-1	2/6/2012		169.75	18.69	--	151.06	710	<1.0	<1.0	2.9	2.2	10	100	<1.0	<1.0	<1.0	<500	<1*	<1	--	(P)
MW-1	8/21/2012		169.75	21.77	--	147.98	5,000	230	7.3	230	68	77	<20	<2.5	<2.5	4.3	<1,300	<2.5	<2.5	--	--
MW-1	2/4/2013		169.75	18.36	(sheen)	151.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/1/2013		169.75	22.25	0.15	147.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(LPH)
MW-2	3/7/1991		168.14	19.18	--	148.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/1/1991		168.14	15.21	--	152.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/3/1992		168.14	20.93	--	147.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/5/1992		168.14	22.74	--	145.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/13/1993		168.14	15.55	--	152.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/23/1993		168.14	16.54	--	151.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/12/1993		168.14	20.46	--	147.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/21/1993		168.14	24.91	--	143.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/21/1994		168.14	21.20	--	146.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/20/1994		168.14	22.44	--	145.70	1,800	140	370	54	290	24	--	--	--	--	--	--	--	--	1.7
MW-2	8/1/1994		168.14	22.24	--	145.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/23/1994		168.14	16.25	--	151.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/26/1995		168.14	14.55	--	153.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6/8/1995		168.14	21.18	--	146.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/22/1995		168.14	22.76	--	145.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/27/1995		168.14	23.61	--	144.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/25/1996		168.14	15.95	--	152.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/19/1996		168.14	17.33	--	150.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	7/23/1996		168.14	21.25	--	146.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/11/1996		168.14	22.27	--	145.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	1/21/1997		168.14	15.19	--	152.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes
MW-2	4/29/1997		168.14	20.22	--	147.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	4/30/1997		--	--	--	--	130,000	4,600	15,000	6,000	37,000	<5,000	--	--	--	--	--	--	--	--	5
MW-2	8/21/1997		168.14	21.74	--	146.40	110,000	6,000	16,000	4,700	28,000	<500	--	--	--	--	--	--	--	--	4.6
MW-2	11/5/1997		168.14	21.61	--	146.53	120,000	7,800	18,000	4,900	28,100	<2,500	--	--	--	--	--	--	--	--	4.6
MW-2	2/3/1998		168.14	11.51	--	156.63	75,000	590	1,500	1,800	12,800	<2,500	--	--	--	--	--	--	--	--	4.5
MW-2	5/28/1998		168.14	16.51	--	151.63	79,000	3,900	3,100	3,100	18,000	900	--	--	--	--	--	--	--	--	4.3
MW-2	12/30/1998		168.14	17.70	--	150.44	95,000	4,700	3,500	3,700	21,000	<250	--	--	--	--	--	--	--	--	--
MW-2	2/2/1999		168.14	15.46	--	152.68	170,000	3,500	1,500	5,200	34,000	<500	--	--	--	--	--	--	--	--	--
MW-2	5/10/1999		168.14	16.52	--	151.62	84,000	3,200	3,200	3,700	20,000	75	--	--	--	--	--	--	--	--	--
MW-2	8/24/1999		168.14	20.73	--	147.41	130,000	9,100	9,200	4,700	27,000	<250	--	--	--	--	--	--	--	--	--
MW-2	11/3/1999		168.14	20.93	--	147.21	120,000	10,000	21,000	4,700	30,200	2,200	--	--	--	--	--	--	--	--	--
MW-2	3/1/2000		168.14	13.37	--	154.77	39,000	1,400	1,500	1,700	8,100	44	--	--	--	--	--	--	--	--	--
MW-2	4/21/2000		168.14	16.59	--	151.55	68,000	3,300	2,500	3,100	20,000	260	--	--	--	--	--	--	--	--	--
MW-2	7/31/2000		168.14	16.37	--	151.77	99,000	5,600	1,400	4,300	22,000	490	--	--	--	--	--	--	--	--	--
MW-2	11/20/2000		168.14	19.71	--	148.43	37,000	5,100	1,500	1,300	4,800	2,800	--	--	--	--	--	--	--	--	--
MW-2	2/18/2001		168.14	15.29	--	152.85	54,000	5,020	3,880	2,850	15,400	1,010	--	--	--	--	--	--	--	--	--
MW-2	6/7/2001		168.14	19.43	--	148.71	110,000	7,240	4,380	4,160	22,100	567	--	--	--	--	--	--	--	--	--
MW-2	9/5/2001		168.14	22.44	--	145.70	69,000	5,750	5,790	2,770	14,200	1,510	--	--	--	--	--	--	--	--	--
MW-2	11/30/2001		168.14	19.58	--	148.56	120,000	7,270	6,540	4,590	23,000	794	--	--	--	--	--	--	--	--	--
MW-2	2/20/2002		168.14	16.39	--	151.75	56,000	2,410	2,270	2,910	14,300	160	--	--	--	--	--	--	--	--	--
MW-2	6/20/2002		168.14	19.77	--	148.37	86,000	7,310	6,490	3,080	14,600	659	--	--	--	--	--	--	--	--	--
MW-2	9/11/2002		168.14	21.60	--	146.54	130,000	7,600	13,000	5,400	30,000	<5,000	--	--	--	--	--	--	--	--	--
MW-2	11/12/2002		168.14	21.34	--	146.80	46,000	4,100	4,300	1,900	10,000	1,900	--	--	--	--	--	--	--	--	--
MW-2	1/29/2003		168.14	16.80	--	151.34	77,000	4,700	2,600	2,800	13,000	820	<2,000	<50	<50	<50	<4,000	<50	<50	--	--
MW-2	5/22/2003		168.14	17.15	--	150.99	52,000	6,400	2,600	1,800	7,400	1,000	<2,000	<50	<50	<50	<10,000	--	--	--	--
MW-2	7/28/2003		168.14	21.47	--	146.67	31,000	6,900	5,500	2,200	12,000	1,700	<4,000	<100	<100	<100	<20,000	<100	<100	--	--
MW-2	11/18/2003		168.14	20.50	--	147.64	23,000	3,300	800	500	2,000	500	<1,000	<25	<25	<25	<5,000	--	--	--	--
MW-2	2/23/2004		168.14	14.77	--	153.37	84,000	14,000	6,200	3,100	14,000	790	<5,000	<120	<120	<120	<25,000	<120	<120	--	--
MW-2	5/4/2004		168.14	20.09	--	148.05	120,000	15,000	17,000	4,900	24,000	780	<10,000	<250	<250	<250	<50,000	<250	<250	--	--
MW-2	8/4/2004		168.14	21.39	--	146.75	38,000	9,100	3,300	1,900	5,800	430	<10,000	<250	<250	<250	<50,000	<250	<250	--	--
MW-2	11/10/2004		168.14	18.98	--	149.16	22,000	4,400	2,000	940	3,600	310	<1,000	<25	<25	<25	<5,000	<25	<25	--	--
MW-2	2/15/2005		168.14	15.62	--	152.52	67,000	11,000	4,200	3,000	11,000	690	<4,000	<100	<100	<100	<20,000	<100	<100	--	--
MW-2	5/16/2005		168.14	14.71	--	153.43	94,000	11,000	7,600	4,100	17,000	560	<10,000	<250	<250	<250	<50,000	<250	<250	--	--
MW-2	8/17/2005		168.14	20.00	--	148.14	110,000	13,000	8,000	4,300	18,000	480	<4,000	<100	<100	<100	<20,000	<100	<100	--	--
MW-2	11/18/2005		168.14	20.89	--	147.25	37,000	11,000	2,400	1,500	4,600	340	<4,000	<100	<100	<100	<20,000	<100	<100	--	--
MW-2	2/7/2006		168.14	13.31	--	154.83	74,000	8,900	5,800	3,600	14,000	440	<4,000	<100	<100	<100	<60,000	<100	160	--	--
MW-2	5/19/2006		168.14	16.30	--	151.84	78,000	11,000	3,700	4,500	14,000	430	<4,000	<100	<100	<100	<60,000	<100	<100	--	--
MW-2	8/23/2006		168.14	20.83	--	147.31	100,000	12,000	9,100	5,800	25,000	480	<4,000	<100	<100	<100	<60,000	<100	<100	--	--
MW-2	11/15/2006		168.14	20.80	--	147.34	46,000	8,800	3,600	2,300	8,500	400	<4,000	<100	<100	<100	<60,000	<100	<100	0.7	--
MW-2	2/14/2007		168.14	15.96	(Sheen)	152.18	100,000	13,000	3,600	6,200	26,000	810	<4,000	<100	<100	<100	<60,000	<100	<100	1.43	--
MW-2	5/22/2007		168.14	18.20	--	149.94	91,000	15,000	8,700	4,700	20,000	1,000	<10,000	<250	<250	<250	<150,000	<250	<250	0.08	--
MW-2	8/15/2007		168.14	21.23	(Sheen)	146.91	14,000	7,300	130	280	600	260	2,400	<50	<50	<50	<30,000	<50	<50	4.24	--
MW-2	11/8/2007		168.14	20.32	--	147.82	22,000	7,400	420	640	1,700	240	2,800	<50	<50	<50	<30,000	<50	<50	1.21	--
MW-2	2/20/2008		168.14	15.20	0.06	152.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/7/2008		168.14	19.80	0.04	148.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/20/2008		168.14	21.70	0.01	146.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/17/2008		168.14	20.73	--	147.41	45,000	8,400	700	1,500	5,600	320	1,800	<10	<10	<10	<6,000	<10	<10	--	--
MW-2	2/25/2009		168.14	14.15	--	153.99	18,000	5,200	<250	380	1,400	<250	<5,000	<250	<250	<250	<150,000	<250	<250	2.11	--
MW-2	4/8/2009		168.14	17.00	--	151.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/28/2009		168.14	18.43	(Sheen)	149.71	37,000	5,300	1,600	1,400	5,600	510	<2,500	<120	<120	<120	<75,000	<120	<120	0.16	--
MW-2	6/16/2009		168.14	19.80	0.01	148.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/6/2009		168.14	21.17	0.01	146.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/4/2010		168.14	13.03	--	155.11	18,000	9,500	270	510	1,400	350	2,600	<5.0	<5.0	12	<1,000	<5	<5	1.28	(P)
MW-2	9/2/2010		168.14	20.62	--	147.52	58,000	11,000	3,600	3,900	16,000	470	<80	<10	<10	14	<2,000	<10	<10	--	(NP, y)
MW-2	3/15/2011		168.14	13.70	--	154.44	63,000	12,000	2,900	4,100	15,000	500	<800	<100	<100	<100	<50,000	<100	<100	--	(P)
MW-2	8/17/2011		168.14	19.31	--	148.83	23,000	4,900	620	1,500	4,400	150	<800	<100	<100	<100	<50,000	<100	<100	--	(P)
MW-2	2/6/2012		168.14	17.49	--	150.65	26,000	6,400	200	1,700	3,400	360	<800	<100	<100	<100	<50,000	<100*	<100	--	(P)
MW-2	8/21/2012		168.14	20.66	--	147.48	20,000	4,900	440	1,400	2,400	220	<800	<100	<100	<100	<50,000	<100	<100	--	--

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes
MW-2	2/4/2013		168.14	17.24	--	150.90	25,000	4,000	1,700	1,600	5,300	130	<800	<100	<100	<100	<50,000	<100	<100	--	
MW-2	8/1/2013		168.14	21.10	--	147.04	43,000	9,100	630	2,800	9,700	220	<2,000	<100	<100	<100	<50,000	<100	<100	1.84	
MW-3	7/9/1990		--	--	--	--	140	5.3	4.6	2	3.8	--	--	--	--	--	--	--	--	--	
MW-3	12/21/1990		--	--	--	--	0.19	100	6	0.9	27	--	--	--	--	--	--	--	--	--	
MW-3	3/7/1991		167.17	17.40	--	149.77	0.4	69	22	6.1	57	--	--	--	--	--	--	--	--	--	
MW-3	4/1/1991		167.17	13.69	--	153.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	6/27/1991		--	--	--	--	380	28	26	13	46	--	--	--	--	--	--	--	--	--	
MW-3	9/27/1991		--	--	--	--	0.07	7.9	--	0.4	1.1	--	--	--	--	--	--	--	--	--	
MW-3	12/18/1991		--	--	--	--	0.26	34	24	0.8	28	--	--	--	--	--	--	--	--	--	
MW-3	7/3/1992		167.17	19.59	--	147.58	71	9.4	0.9	5	13	--	--	--	--	--	--	--	--	--	
MW-3	10/5/1992		167.17	21.22	--	145.95	67	5.1	1.1	6.1	8.1	--	--	--	--	--	--	--	--	--	
MW-3	10/5/1992	Dup	167.17	21.22	--	145.95	<50	2.2	<0.5	1.5	2.8	--	--	--	--	--	--	--	--	--	(Dup)
MW-3	1/13/1993		167.17	13.63	--	153.54	830	50	34	42	89	--	--	--	--	--	--	--	--	--	
MW-3	4/23/1993		167.17	15.02	--	152.15	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	
MW-3	4/23/1993	Dup	167.17	15.02	--	152.15	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	(Dup)
MW-3	7/12/1993		167.17	19.16	--	148.01	250	12	4.2	12	16	<5.0	--	--	--	--	--	--	--	--	
MW-3	10/21/1993		167.17	21.81	--	145.36	52	4.4	1.4	4.7	3.3	<5.0	--	--	--	--	--	--	--	--	
MW-3	10/21/1993	Dup	167.17	21.81	--	145.36	65	7.4	1	6.9	4.2	--	--	--	--	--	--	--	--	--	(Dup)
MW-3	1/21/1994		167.17	19.94	--	147.23	57	3	3.4	3.6	9	<5.0	--	--	--	--	--	--	--	--	
MW-3	4/20/1994		167.17	20.24	--	146.93	600	26	23	33	88	28.7	--	--	--	--	--	--	--	--	1.8
MW-3	8/1/1994		167.17	20.74	--	146.43	99	6.2	1.1	4.5	5.2	<5.0	--	--	--	--	--	--	--	--	1.4
MW-3	8/1/1994	Dup	167.17	20.74	--	146.43	120	7.7	1.6	5.9	6.7	5.43	--	--	--	--	--	--	--	--	(Dup)
MW-3	12/23/1994		167.17	14.70	--	152.47	<50	<0.5	0.78	<0.5	<0.5	9.8	--	--	--	--	--	--	--	--	1.7
MW-3	12/23/1994	Dup	167.17	14.70	--	152.47	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	(Dup)
MW-3	1/26/1995		167.17	12.89	--	154.28	190	16	0.5	35	24	--	--	--	--	--	--	--	--	--	6.6
MW-3	6/8/1995		167.17	19.95	--	147.22	330	21	4	34	32	--	--	--	--	--	--	--	--	--	7
MW-3	8/22/1995		167.17	21.41	--	145.76	150	14	<0.50	<0.50	1.6	<5.0	--	--	--	--	--	--	--	--	6.6
MW-3	10/27/1995		167.17	22.43	--	144.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	10/30/1995		--	--	--	--	51	2.4	<0.50	<0.50	<1.0	<5.0	--	--	--	--	--	--	--	--	6.9
MW-3	1/25/1996		167.17	14.03	--	153.14	<50	<0.50	<0.50	<0.50	<1.0	5.1	--	--	--	--	--	--	--	--	
MW-3	4/19/1996		167.17	15.26	--	151.91	460	55	4	33	63	<10	--	--	--	--	--	--	--	--	9.4
MW-3	7/23/1996		167.17	19.19	--	147.98	<50	<0.5	<0.5	<0.5	<0.5	<10	--	--	--	--	--	--	--	--	9.2
MW-3	11/11/1996		167.17	20.24	--	146.93	<250	<2.5	<5.0	<5.0	<5.0	<50	--	--	--	--	--	--	--	--	8.4
MW-3	1/21/1997		167.17	13.09	--	154.08	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	5.4
MW-3	4/29/1997		167.17	18.14	--	149.03	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.3
MW-3	8/21/1997		167.17	19.64	--	147.53	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.9
MW-3	11/5/1997		167.17	19.95	--	147.22	<250	<2.5	<5.0	<5.0	<5.0	<50	--	--	--	--	--	--	--	--	4.5
MW-3	2/3/1998		167.17	10.57	--	156.60	<50	<0.50	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.7
MW-3	5/28/1998		167.17	14.65	--	152.52	330	<2.5	<5.0	<5.0	<5.0	<50	--	--	--	--	--	--	--	--	4.2
MW-3	12/30/1998		167.17	16.63	--	150.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/2/1999		167.17	13.12	--	154.05	<250	<5.0	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	--	
MW-3	5/10/1999		167.17	14.21	--	152.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/24/1999		167.17	14.36	--	152.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/3/1999		167.17	19.21	--	147.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	3/1/2000		167.17	15.17	--	152.00	<50	<0.5	0.57	<0.5	0.62	<0.5	--	--	--	--	--	--	--	--	
MW-3	4/21/2000		167.17	14.88	--	152.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	7/31/2000		167.17	15.29	--	151.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/20/2000		167.17	17.31	--	149.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/18/2001		167.17	12.85	--	154.32	160	1.95	1.31	10.2	9.09	1	--	--	--	--	--	--	--	--	
MW-3	6/7/2001		167.17	18.00	--	149.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	9/5/2001		167.17	20.32	--	146.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/30/2001		167.17	16.94	--	150.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/20/2002		167.17	14.84	--	152.33	86	<0.5	0.845	6.58	5.75	<0.5	--	--	--	--	--	--	--	--	
MW-3	6/20/2002		167.17	18.40	--	148.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	9/11/2002		167.17	20.06	--	147.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/12/2002		167.17	19.84	--	147.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	1/27/2003		167.17	14.83	--	152.34	850	20	9.7	24	45	0.76	--	--	--	--	--	--	--	--	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes
MW-3	1/29/2003		--	--	--	--	--	--	--	--	--	0.76	<20	<50	<50	<50	<40	<50	<50	--	
MW-3	5/22/2003		167.17	15.60	--	151.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	7/28/2003		167.17	20.12	--	147.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/18/2003		167.17	19.15	--	148.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/23/2004		167.17	13.53	--	153.64	160	<0.50	1.1	9.6	12	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.5	<0.5	--	
MW-3	5/4/2004		167.17	18.61	--	148.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/4/2004		167.17	19.21	--	147.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/10/2004		167.17	17.48	--	149.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/15/2005		167.17	14.31	--	152.86	500	7.8	1.8	9.2	9.6	1.7	<20	<0.50	<0.50	<0.50	<100	<0.5	<0.5	--	
MW-3	5/16/2005		167.17	13.11	--	154.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/17/2005		167.17	18.53	--	148.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/18/2005		167.17	19.34	--	147.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/7/2006		167.17	11.64	--	155.53	65	<0.50	<0.50	1.4	2.3	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.5	<0.5	--	
MW-3	5/19/2006		167.17	14.88	--	152.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/23/2006		167.17	19.43	--	147.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/15/2006		167.17	19.22	--	147.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/14/2007		167.17	13.80	--	153.37	200	1.1	<0.50	5.9	3.2	3.8	<20	<0.50	<0.50	<0.50	<300	<0.5	<0.5	0.68	
MW-3	5/22/2007		167.17	16.80	--	150.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/15/2007		167.17	19.87	--	147.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/8/2007		167.17	19.27	--	147.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/20/2008		167.17	13.58	--	153.59	240	1.1	<0.50	0.99	0.79	2.3	<10	<0.50	<0.50	<0.50	<100	<0.5	<0.5	2.58	
MW-3	5/7/2008		167.17	18.32	--	148.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/20/2008		167.17	20.29	--	146.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/17/2008		167.17	19.35	--	147.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/25/2009		167.17	11.77	--	155.40	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.5	<0.5	3.45	
MW-3	5/28/2009		167.17	17.02	--	150.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/6/2009		167.17	19.87	--	147.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	3/4/2010		167.17	10.79	--	156.38	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<4.0	<0.50	<0.50	<0.50	<100	<0.5	<0.5	3.16	(P)
MW-3	9/2/2010		167.17	19.32	--	147.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	3/15/2011		167.17	11.77	--	155.40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<4.0	<0.50	<0.50	<0.50	<250	<0.5	<0.5	--	(P)
MW-3	8/17/2011		167.17	17.98	--	149.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/6/2012		167.17	15.92	--	151.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/21/2012		167.17	19.42	--	147.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(slight odor)
MW-3	2/4/2013		167.17	15.75	--	151.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/1/2013		167.17	19.78	--	147.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	12/21/1990		--	--	--	--	--	--	--	--	0.8	--	--	--	--	--	--	--	--	--	
MW-4	3/7/1991		170.36	20.72	--	149.64	--	2.2	3.8	1.5	2.8	--	--	--	--	--	--	--	--	--	
MW-4	4/1/1991		170.36	17.49	--	152.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	6/27/1991		--	--	--	--	--	6.3	1.8	0.4	1	--	--	--	--	--	--	--	--	--	
MW-4	7/3/1992		170.36	22.16	--	148.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	
MW-4	10/5/1992		170.36	23.38	--	146.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	
MW-4	1/13/1993		170.36	17.58	--	152.78	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	
MW-4	4/23/1993		170.36	15.72	--	154.64	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	
MW-4	7/12/1993		170.36	21.74	--	148.62	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	
MW-4	10/21/1993		170.36	23.84	--	146.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	
MW-4	1/21/1994		170.36	22.42	--	147.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	
MW-4	4/20/1994		170.36	22.66	--	147.70	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	2.2	
MW-4	8/1/1994		170.36	23.01	--	147.35	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	1.9	
MW-4	12/23/1994		170.36	17.03	--	153.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	1/26/1995		170.36	17.42	--	152.94	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	7.5	
MW-4	6/8/1995		170.36	21.55	--	148.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/22/1995		170.36	23.47	--	146.89	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	--	--	--	6.4	
MW-4	10/27/1995		170.36	24.50	--	145.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	1/25/1996		170.36	18.74	--	151.62	<50	<0.50	<0.50	<0.50	<1.0	58	--	--	--	--	--	--	--	--	
MW-4	4/19/1996		170.36	18.63	--	151.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	7/23/1996		170.36	22.56	--	147.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/11/1996		170.36	23.63	--	146.73	<50	<1.0	<1.0	<1.0	<1.0	34	--	--	--	--	--	--	--	8.2	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-4	1/21/1997		170.36	16.59	--	153.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	4/29/1997		170.36	21.43	--	148.93	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.7	
MW-4	8/21/1997		170.36	22.91	--	147.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/5/1997		170.36	22.34	--	148.02	60	<0.5	<1.0	<1.0	<1.0	76	--	--	--	--	--	--	--	--	4.9	
MW-4	2/3/1998		170.36	12.26	--	158.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	5/28/1998		170.36	18.50	--	151.86	70	<0.5	<1.0	<1.0	<1.0	160	--	--	--	--	--	--	--	--	4.2	
MW-4	12/30/1998		170.36	19.69	--	150.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/2/1999		170.36	18.26	--	152.10	70	<1.0	<1.0	<1.0	<1.0	130	--	--	--	--	--	--	--	--	--	
MW-4	5/10/1999		170.36	17.86	--	152.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/24/1999		170.36	17.93	--	152.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/3/1999		170.36	22.78	--	147.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	3/1/2000		170.36	18.04	--	152.32	<50	<0.5	0.67	<0.5	0.7	110	--	--	--	--	--	--	--	--	--	
MW-4	4/21/2000		170.36	17.36	--	153.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	7/31/2000		170.36	17.83	--	152.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/20/2000		170.36	18.91	--	151.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/18/2001		170.36	17.72	--	152.64	88	<0.5	<0.5	<0.5	<0.5	97.3	--	--	--	--	--	--	--	--	--	
MW-4	6/7/2001		170.36	20.23	--	150.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	9/5/2001		170.36	22.76	--	147.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/30/2001		170.36	21.30	--	149.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/20/2002		170.36	19.32	--	151.04	76	<0.5	<0.5	<0.5	<1.0	81	--	--	--	--	--	--	--	--	--	
MW-4	6/20/2002		170.36	20.71	--	149.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	9/11/2002		170.36	22.22	--	148.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/12/2002		170.36	22.22	--	148.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	1/29/2003		170.36	19.80	--	150.56	100	<0.5	<0.5	<0.5	<0.5	66	<20	<0.50	<0.50	<0.50	<40	<0.5	<0.5	--	--	
MW-4	5/22/2003		170.36	19.35	--	151.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	7/28/2003		170.36	22.18	--	148.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/18/2003		170.36	21.65	--	148.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/23/2004		170.36	17.53	--	152.83	75	<0.50	<0.50	<0.50	<0.50	65	<20	<0.50	<0.50	<0.50	<100	<0.5	<0.5	--	--	
MW-4	5/4/2004		170.36	20.62	--	149.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/4/2004		170.36	21.30	--	149.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/10/2004		170.36	20.65	--	149.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/15/2005		170.36	18.91	--	151.45	<50	<0.50	<0.50	<0.50	<0.50	62	<20	<0.50	<0.50	<0.50	<100	<0.5	<0.5	--	--	
MW-4	5/16/2005		170.36	17.34	--	153.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/17/2005		170.36	21.31	--	149.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/18/2005		170.36	21.67	--	148.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/7/2006		170.36	16.74	--	153.62	100	<0.50	<0.50	1	3	29	<20	<0.50	<0.50	<0.50	<300	<0.5	<0.5	--	--	
MW-4	5/19/2006		170.36	18.22	--	152.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/23/2006		170.36	20.95	--	149.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/15/2006		170.36	22.21	--	148.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/14/2007		170.36	18.25	--	152.11	<50	<0.50	<0.50	<0.50	<0.50	61	<20	<0.50	<0.50	<0.50	<300	<0.5	<0.5	0.95	--	
MW-4	5/22/2007		170.36	20.16	--	150.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/15/2007		170.36	22.34	--	148.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/8/2007		170.36	21.86	--	148.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/20/2008		170.36	17.74	--	152.62	<50	<0.50	<0.50	<0.50	<0.50	36	<10	<0.50	<0.50	<0.50	<100	<0.5	<0.5	2.13	--	
MW-4	5/7/2008		170.36	21.38	--	148.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/20/2008		170.36	22.44	--	147.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/17/2008		170.36	22.20	--	148.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/25/2009		170.36	16.81	--	153.55	<50	<0.50	<0.50	<0.50	<0.50	26	<10	<0.50	<0.50	<0.50	<300	<0.5	<0.5	2.8	--	
MW-4	5/28/2009		170.36	20.37	--	149.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	8/6/2009		170.36	22.46	--	147.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	3/4/2010		170.36	17.11	--	153.25	<50	<0.50	<0.50	<0.50	<1.0	34	4.4	<0.50	<0.50	<0.50	<100	<0.5	<0.5	0.63	(P)	
MW-4	9/2/2010		170.36	20.63	--	149.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	3/15/2011		170.36	16.47	--	153.89	<50	<0.50	<0.50	<0.50	<1.0	26	4.1	<0.50	<0.50	<0.50	<250	<0.5	<0.5	--	(P)	
MW-4	8/17/2011		170.36	20.94	--	149.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/6/2012		170.36	19.65	--	150.71	<50	<0.50	<0.50	<0.50	<1.0	32	<4.0	<0.50	<0.50	<0.50	<250	<0.5*	<0.5	--	(P)	
MW-4	8/21/2012		170.36	22.00	--	148.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	2/4/2013		170.36	19.43	--	150.93	<50	<0.50	<0.50	<0.50	<1.0	34	<4.0	<0.50	<0.50	<0.50	<250	<0.5	<0.5	--	--	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes
MW-5	7/9/1990		--	--	--	--	280	200	210	46	290	--	--	--	--	--	--	--	--	--	--
MW-5	12/21/1990		--	--	--	--	0.69	300	34	8.4	39	--	--	--	--	--	--	--	--	--	--
MW-5	3/7/1991		165.14	16.60	--	148.54	--	17	0.9	0.7	1.6	--	--	--	--	--	--	--	--	--	--
MW-5	4/1/1991		165.14	11.99	--	153.15	800	250	54	11	60	--	--	--	--	--	--	--	--	--	--
MW-5	6/27/1991		--	--	--	--	330	120	10	12	8	--	--	--	--	--	--	--	--	--	--
MW-5	9/27/1991		--	--	--	--	0.73	230	16	20	22	--	--	--	--	--	--	--	--	--	--
MW-5	7/3/1992		165.14	18.65	--	146.49	150	36	<0.5	<0.5	1.1	--	--	--	--	--	--	--	--	--	--
MW-5	10/5/1992		165.14	20.32	--	144.82	270	79	4	1.7	2.9	--	--	--	--	--	--	--	--	--	--
MW-5	1/13/1993		165.14	13.03	--	152.11	180	59	6	1.8	7.6	--	--	--	--	--	--	--	--	--	--
MW-5	4/23/1993		165.14	13.51	--	151.63	8,700	440	96	35	136	--	--	--	--	--	--	--	--	--	--
MW-5	7/12/1993		165.14	18.06	--	147.08	250	57	2.9	2.1	6	<5.0	--	--	--	--	--	--	--	--	--
MW-5	10/21/1993		165.14	20.41	--	144.73	210	82	1.5	<0.5	1.4	--	--	--	--	--	--	--	--	--	--
MW-5	1/21/1994		165.14	18.86	--	146.28	110	36	1.2	<0.5	0.7	<5.0	--	--	--	--	--	--	--	--	--
MW-5	4/20/1994		165.14	17.30	--	147.84	690	230	4.5	1.6	11	21.2	--	--	--	--	--	--	--	--	1.3
MW-5	8/1/1994		165.14	17.53	--	147.61	170	44	1.6	0.9	2.7	<5.0	--	--	--	--	--	--	--	--	0.9
MW-5	12/23/1994		165.14	11.63	--	153.51	630	180	1.9	0.66	1.9	7.81	--	--	--	--	--	--	--	--	1.4
MW-5	1/26/1995		165.14	11.25	--	153.89	160	68	<0.5	<0.5	22	--	--	--	--	--	--	--	--	--	5.9
MW-5	6/8/1995		165.14	16.80	--	148.34	2,000	630	58	61	180	--	--	--	--	--	--	--	--	--	6.5
MW-5	6/8/1995	Dup	165.14	16.80	--	148.34	1,700	560	51	55	170	--	--	--	--	--	--	--	--	--	(Dup)
MW-5	8/22/1995		165.14	19.02	--	146.12	3,700	1,100	18	27	59	<130	--	--	--	--	--	--	--	--	7.3
MW-5	10/27/1995		165.14	20.94	--	144.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/30/1995		--	--	--	--	6,500	2,200	55	180	270	<250	--	--	--	--	--	--	--	--	7.5
MW-5	1/25/1996		165.14	13.30	--	151.84	590	37	0.7	<0.50	<1.0	<5.0	--	--	--	--	--	--	--	--	--
MW-5	1/25/1996	Dup	165.14	13.30	--	151.84	540	37	0.66	<0.50	<1.0	<5.0	--	--	--	--	--	--	--	--	(Dup)
MW-5	4/19/1996		165.14	13.63	--	151.51	1,500	470	38	49	210	<50	--	--	--	--	--	--	--	--	8.1
MW-5	7/23/1996		165.14	17.61	--	147.53	140	4.6	<0.5	<0.5	<0.5	<10	--	--	--	--	--	--	--	--	8
MW-5	11/11/1996		165.14	18.70	--	146.44	140	40	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	7.9
MW-5	1/21/1997		165.14	11.63	--	153.51	730	300	<5.0	7.8	26	<50	--	--	--	--	--	--	--	--	5
MW-5	4/29/1997		165.14	16.74	--	148.40	340	530	<5.0	<5.0	<5.0	<50	--	--	--	--	--	--	--	--	4.8
MW-5	8/21/1997		165.14	18.26	--	146.88	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.9
MW-5	11/5/1997		165.14	18.84	--	146.30	120	13	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.4
MW-5	2/3/1998		165.14	9.49	--	155.65	<50	<0.50	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.3
MW-5	5/28/1998		165.14	13.57	--	151.57	4,900	1,500	34	180	311	<10	--	--	--	--	--	--	--	--	4.1
MW-5	12/30/1998		165.14	14.65	--	150.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/2/1999		165.14	12.56	--	152.58	100	<1.0	<1.0	<1.0	<1.0	9.1	--	--	--	--	--	--	--	--	--
MW-5	5/10/1999		165.14	13.36	--	151.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/24/1999		165.14	13.50	--	151.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/3/1999		165.14	18.48	--	146.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	3/1/2000		165.14	9.59	--	155.55	<50	<0.5	0.58	<0.5	0.54	2.9	--	--	--	--	--	--	--	--	--
MW-5	4/21/2000		165.14	13.52	--	151.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/31/2000		165.14	14.04	--	151.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/20/2000		165.14	15.89	--	149.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/18/2001		165.14	11.88	--	153.26	560	161	2.38	6.11	13	5.67	--	--	--	--	--	--	--	--	--
MW-5	6/7/2001		165.14	15.30	--	149.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	9/5/2001		165.14	19.32	--	145.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/30/2001		165.14	17.44	--	147.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/20/2002		165.14	13.88	--	151.26	4,200	940	18.7	98.2	176	55.6	--	--	--	--	--	--	--	--	--
MW-5	6/20/2002		165.14	16.20	--	148.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	9/11/2002		165.14	19.15	--	145.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/12/2002		165.14	19.01	--	146.13	390	55	0.89	3.4	3.5	210	--	--	--	--	--	--	--	--	--
MW-5	1/29/2003		165.14	16.33	--	148.81	7,900	1,400	34	220	350	82	<200	<5.0	<5.0	<5.0	<400	<5	<5	--	--
MW-5	5/22/2003		165.14	14.35	--	150.79	9,900	2,300	91	400	690	<50	<2,000	<50	<50	<50	<10,000	--	--	--	--
MW-5	7/28/2003		165.14	18.90	--	146.24	3,200	690	14	81	100	120	<400	<10	<10	<10	<2,000	<10	<10	--	--
MW-5	2/23/2004		165.14	12.21	--	152.93	7,500	1,500	100	190	350	100	<1,000	<25	<25	<25	<5,000	<25	38	--	--
MW-5	5/4/2004		165.14	17.12	--	148.02	5,900	1,500	57	200	280	42	<1,000	<25	<25	<25	<5,000	<25	<25	--	--
MW-5	8/4/2004		165.14	19.05	--	146.09	<2,500	<25	<25	<25	<25	390	<1,000	<25	<25	<25	<5,000	<25	<25	--	--
MW-5	11/10/2004		165.14	16.95	--	148.19	870	80	<5.0	<5.0	<5.0	530	<200	<5.0	<5.0	5.5	<1,000	<5	<5	--	--
MW-5	2/15/2005		165.14	12.75	--	152.39	1,600	330	8	37	67	260	<200	<5.0	<5.0	<5.0	<1,000	<5	<5	--	--

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-5	5/16/2005		165.14	15.46	--	149.68	<500	<5.0	<5.0	<5.0	<5.0	370	<200	<5.0	<5.0	<5.0	<1,000	<5	<5	--		
MW-5	8/17/2005		165.14	17.00	--	148.14	7,000	1,000	17	110	130	51	<200	<5.0	<5.0	<5.0	<1,000	<5	<5	--		
MW-5	11/18/2005		165.14	18.33	--	146.81	1,900	91	<5.0	33	29	340	<200	<5.0	<5.0	<5.0	<1,000	<5	<5	--		
MW-5	2/7/2006		165.14	10.27	--	154.87	2,100	590	9.6	86	110	200	<200	<5.0	<5.0	<5.0	<3,000	<5	<5	--		
MW-5	5/19/2006		165.14	13.08	--	152.06	3,200	720	9.7	150	170	44	<200	<5.0	<5.0	<5.0	<3,000	<5	<5	--		
MW-5	8/23/2006		165.14	17.02	--	148.12	1,400	69	<5.0	20	24	230	<200	<5.0	<5.0	<5.0	<3,000	<5	<5	--		
MW-5	11/15/2006		165.14	18.30	--	146.84	1,100	24	<2.5	10	8.6	490	<100	<2.5	<2.5	4.2	<1,500	<2.5	<2.5	0.85		
MW-5	2/14/2007		165.14	13.16	--	151.98	680	110	<2.5	16	11	420	<100	<2.5	<2.5	3.6	<1,500	<2.5	<2.5	2.54		
MW-5	5/22/2007		165.14	15.42	--	149.72	2,800	660	8.8	74	100	26	<100	<2.5	<2.5	<2.5	<1,500	<2.5	<2.5	1.41		
MW-5	8/15/2007		165.14	18.80	--	146.34	2,800	50	<10	26	29	280	<400	<10	<10	<10	<6,000	<10	<10	3.81		
MW-5	11/8/2007		165.14	18.55	(Sheen)	146.59	3,800	77	<2.5	46	35	270	310	<2.5	<2.5	<2.5	<1,500	<2.5	<2.5	1.08		
MW-5	2/20/2008		165.14	12.21	--	152.93	2,500	530	<5.0	75	62	43	<100	<5.0	<5.0	<5.0	<1,000	<5	<5	2.01		
MW-5	5/7/2008		165.14	16.91	--	148.23	6,700	1,800	29	270	360	30	<200	<10	<10	<10	<6,000	<10	<10	2.45		
MW-5	8/20/2008		165.14	19.45	--	145.69	300	22	<2.0	8.5	5.3	260	270	<2.0	<2.0	3	<1,200	<2	<2	5.57		
MW-5	2/25/2009		165.14	11.12	--	154.02	140	6.4	<0.50	2.4	3.1	68	110	<0.50	<0.50	0.62	<300	<0.5	<0.5	4.38		
MW-5	5/28/2009		165.14	15.70	--	149.44	3,800	790	9.5	140	110	11	<20	<1.0	<1.0	<1.0	<600	<1	<1	0.04		
MW-5	8/6/2009		165.14	18.84	(Sheen)	146.30	78	<5.0	<5.0	<5.0	<5.0	190	340	<5.0	<5.0	<5.0	<3,000	<5	<5	0.06		
MW-5	3/4/2010		165.14	10.02	--	155.12	1,200	420	5.5	69	58	15	38	<0.50	<0.50	<0.50	<100	<0.5	<0.5	0.66	(P)	
MW-5	9/2/2010		165.14	16.24	--	148.90	200	69	1.3	3.2	7.3	13	<4.0	<0.50	<0.50	<0.50	<100	<0.5	<0.5	--	(NP,y)	
MW-5	3/15/2011		165.14	11.36	--	153.78	1,700	410	7.9	88	80	5.9	<4.0	<0.50	<0.50	<0.50	<250	<0.5	<0.5	--	(P)	
MW-5	8/17/2011		165.14	16.62	--	148.52	1,900	460	7.6	44	51	<5.0	<40	<5.0	<5.0	<5.0	<2,500	<5	<5	--	(P)	
MW-5	2/6/2012		165.14	14.36	--	150.78	580	140	<5.0	9.2	<10	9.6	<40	<5.0	<5.0	<5.0	<2,500	<5*	<5	--	(P)	
MW-5	8/21/2012		165.14	18.22	--	146.92	290	23	0.75	4.8	4.3	17	200	<0.50	<0.50	<0.50	<250	<0.5	<0.5	--		
MW-5	2/4/2013		165.14	13.99	--	151.15	1,400	230	2.7	55	34	3.1	13	<0.50	<0.50	<0.50	<250	<0.5	<0.5	--		
MW-5	8/1/2013		165.14	18.64	--	146.50	<50	<0.50	<0.50	<0.50	<1.0	27	250	<0.50	<0.50	<0.50	<250	<0.50	<0.50	2.12		
MW-6	12/21/1990		--	--	--	--	0.17	2.6	7	4.9	26	--	--	--	--	--	--	--	--	--	--	
MW-6	4/1/1991		165.40	11.79	--	153.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	12/18/1991		--	--	--	--	--	1.3	22	--	2.7	--	--	--	--	--	--	--	--	--	--	
MW-6	7/3/1992		165.40	17.77	--	147.63	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	
MW-6	10/5/1992		165.40	19.46	--	145.94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	
MW-6	1/13/1993		165.40	11.34	--	154.06	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	
MW-6	4/23/1993		165.40	12.92	--	152.48	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	
MW-6	7/12/1993		165.40	17.36	--	148.04	<50	<0.5	<0.5	<0.5	0.7	<5.0	--	--	--	--	--	--	--	--	--	
MW-6	10/21/1993		165.40	19.98	--	145.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	
MW-6	1/21/1994		165.40	18.10	--	147.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	
MW-6	4/20/1994		165.40	18.68	--	146.72	<50	<0.5	<0.5	<0.5	<0.5	17.4	--	--	--	--	--	--	--	--	2	
MW-6	8/1/1994		165.40	18.90	--	146.50	<50	<0.5	<0.5	<0.5	<0.5	8.66	--	--	--	--	--	--	--	--	1.5	
MW-6	12/23/1994		165.40	12.94	--	152.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	1/26/1995		165.40	10.46	--	154.94	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--	7.3	
MW-6	6/8/1995		165.40	16.84	--	148.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	8/22/1995		165.40	19.48	--	145.92	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	--	--	--	--	6.7	
MW-6	10/27/1995		165.40	20.39	--	145.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	1/25/1996		165.40	12.24	--	153.16	<50	<0.50	<0.50	<0.50	<1.0	9.9	--	--	--	--	--	--	--	--	--	
MW-6	4/19/1996		165.40	13.90	--	151.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	7/23/1996		165.40	17.83	--	147.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	11/11/1996		165.40	18.90	--	146.50	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	7.7	
MW-6	1/21/1997		165.40	11.97	--	153.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	4/29/1997		165.40	17.04	--	148.36	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.5	
MW-6	8/21/1997		165.40	18.58	--	146.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	11/5/1997		165.40	19.17	--	146.23	70	<0.5	<1.0	<1.0	<1.0	85	--	--	--	--	--	--	--	--	4.3	
MW-6	2/3/1998		165.40	9.87	--	155.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	5/28/1998		165.40	13.38	--	152.02	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	3.7	
MW-6	12/30/1998		165.40	14.45	--	150.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	2/2/1999		165.40	18.29	--	147.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	5/10/1999		165.40	17.49	--	147.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	8/24/1999		165.40	17.61	--	147.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	11/3/1999		165.40	16.26	--	149.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes
MW-6	3/1/2000		165.40	17.43	--	147.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	4/21/2000		165.40	13.32	--	152.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/31/2000		165.40	13.46	--	151.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/20/2000		165.40	14.78	--	150.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/18/2001		165.40	11.33	--	154.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	6/7/2001		165.40	16.36	--	149.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	9/5/2001		165.40	18.61	--	146.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/30/2001		165.40	15.20	--	150.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/20/2002		165.40	12.74	--	152.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	6/20/2002		165.40	16.68	--	148.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	9/11/2002		165.40	18.38	--	147.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/12/2002		165.40	18.78	--	146.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	1/29/2003		165.40	14.45	--	150.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	5/22/2003		165.40	14.36	--	151.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	7/28/2003		165.40	18.43	--	146.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/18/2003		165.40	17.48	--	147.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/23/2004		165.40	11.54	--	153.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	5/4/2004		165.40	16.58	--	148.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/4/2004		165.40	18.12	--	147.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/10/2004		165.40	15.75	--	149.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/15/2005		165.40	12.50	--	152.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	5/16/2005		165.40	11.51	--	153.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<100	<0.5	<0.5	--	--
MW-6	8/17/2005		165.40	16.85	--	148.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/7/2006		165.40	9.93	--	155.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.5	<0.5	--	--
MW-6	8/23/2006		165.40	16.35	--	149.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/15/2006		165.40	17.42	--	147.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/14/2007		165.40	12.03	--	153.37	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<0.50	<300	<0.5	<0.5	1.07	--
MW-6	5/22/2007		165.40	15.11	--	150.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/15/2007		165.40	18.08	--	147.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/8/2007		165.40	17.79	--	147.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/20/2008		165.40	11.81	--	153.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<100	<0.5	<0.5	1.29	--
MW-6	5/7/2008		165.40	16.75	--	148.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/25/2009		165.40	9.99	--	155.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.5	<0.5	2.39	--
MW-6	8/6/2009		165.40	18.33	--	147.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/4/2010		165.40	9.11	--	156.29	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<4.0	<0.50	<0.50	<0.50	<100	<0.5	<0.5	0.88	(P)
MW-6	9/2/2010		165.40	17.80	--	147.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/15/2011		165.40	10.08	--	155.32	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<4.0	<0.50	<0.50	<0.50	<250	<0.5	<0.5	--	(P)
MW-6	8/17/2011		165.40	16.50	--	148.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2012		165.40	14.44	--	150.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/21/2012		165.40	17.91	--	147.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/4/2013		165.40	14.13	--	151.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/1/2013		165.40	18.27	--	147.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/7/1991		167.61	19.04	--	148.57	--	--	0.4	0.3	2.4	--	--	--	--	--	--	--	--	--	--
MW-7	4/1/1991		167.61	15.18	--	152.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/27/1991		--	--	--	--	70	17	4	0.8	2.2	--	--	--	--	--	--	--	--	--	--
MW-7	9/27/1991		--	--	--	--	--	0.4	--	--	0.4	--	--	--	--	--	--	--	--	--	--
MW-7	12/18/1991		--	--	--	--	--	0.7	2.9	0.8	3.3	--	--	--	--	--	--	--	--	--	--
MW-7	7/3/1992		167.61	20.28	--	147.33	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-7	10/5/1992		167.61	21.56	--	146.05	<50	<0.5	<0.5	<0.5	1.5	--	--	--	--	--	--	--	--	--	--
MW-7	1/13/1993		167.61	15.41	--	152.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-7	4/23/1993		167.61	15.84	--	151.77	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-7	7/12/1993		167.61	19.84	--	147.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--
MW-7	10/21/1993		167.61	21.61	--	146.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--
MW-7	1/21/1994		167.61	20.49	--	147.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--
MW-7	1/21/1994	Dup	167.61	20.49	--	147.12	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	(Dup)
MW-7	4/20/1994		167.61	20.54	--	147.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	1.5	--
MW-7	8/1/1994		167.61	20.99	--	146.62	<50	0.7	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	1.9	--

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-7	12/23/1994		167.61	15.00	--	152.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	1/26/1995		167.61	14.69	--	152.92	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--	7	
MW-7	6/8/1995		167.61	19.87	--	147.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/22/1995		167.61	21.49	--	146.12	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	--	--	--	--	6.4	
MW-7	10/27/1995		167.61	22.53	--	145.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	1/25/1996		167.61	17.21	--	150.40	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	--	--	--	--	--	--	--	
MW-7	4/19/1996		167.61	17.09	--	150.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	7/23/1996		167.61	21.02	--	146.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/11/1996		167.61	22.03	--	145.58	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	7.8	
MW-7	1/21/1997		167.61	15.06	--	152.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	4/29/1997		167.61	20.11	--	147.50	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.4	
MW-7	8/21/1997		167.61	21.59	--	146.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/5/1997		167.61	20.05	--	147.56	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.4	
MW-7	2/3/1998		167.61	9.97	--	157.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	5/28/1998		167.61	13.52	--	154.09	<50	<0.5	<1.0	<1.0	<1.0	<10	--	--	--	--	--	--	--	--	4.3	
MW-7	12/30/1998		167.61	18.33	--	149.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/2/1999		167.61	12.33	--	155.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	5/10/1999		167.61	13.52	--	154.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/24/1999		167.61	14.01	--	153.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/3/1999		167.61	19.91	--	147.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	3/1/2000		167.61	19.89	--	147.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	4/21/2000		167.61	17.94	--	149.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	7/31/2000		167.61	17.33	--	150.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/20/2000		167.61	18.41	--	149.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/18/2001		167.61	15.13	--	152.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	6/7/2001		167.61	18.75	--	148.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	9/5/2001		167.61	20.48	--	147.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/30/2001		167.61	20.11	--	147.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/20/2002		167.61	18.40	--	149.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	6/20/2002		167.61	18.62	--	148.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	9/11/2002		167.61	20.05	--	147.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/12/2002		167.61	21.13	--	146.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	1/29/2003		167.61	19.10	--	148.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	5/22/2003		167.61	18.83	--	148.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	7/28/2003		167.61	19.88	--	147.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/18/2003		167.61	20.50	--	147.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/23/2004		168.08	15.92	--	152.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	5/4/2004		168.08	18.86	--	149.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/4/2004		168.08	19.10	--	148.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/10/2004		168.08	20.25	--	147.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/15/2005		168.08	16.37	--	151.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/17/2005		168.08	19.74	--	148.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/18/2005		168.08	20.82	--	147.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/7/2006		168.08	14.26	--	153.82	<500	<5.0	<5.0	<5.0	<5.0	270	<200	<5.0	<5.0	<5.0	<3,000	<5	<5	--	--	
MW-7	5/19/2006		168.08	16.51	--	151.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/23/2006		168.08	20.30	--	147.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/15/2006		168.08	20.85	--	147.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/14/2007		168.08	16.57	--	151.51	520	<5.0	<5.0	<5.0	<5.0	740	<200	<5.0	<5.0	9.6	<3,000	<5	<5	3.08		
MW-7	5/22/2007		168.08	18.40	--	149.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/15/2007		168.08	20.85	--	147.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/8/2007		168.08	20.41	--	147.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/20/2008		168.08	15.90	--	152.18	<50	<0.50	<0.50	<0.50	<0.50	700	13	<0.50	<0.50	12	<100	<0.5	0.6	4.34		
MW-7	5/7/2008		168.08	19.41	--	148.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/20/2008		168.08	21.34	--	146.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	11/17/2008		168.08	20.54	--	147.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/25/2009		168.08	14.89	--	153.19	130	<20	<20	<20	<20	540	<400	<20	<20	<20	<12,000	<20	<20	4.28		
MW-7	5/28/2009		168.08	18.57	--	149.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/6/2009		168.08	20.83	--	147.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-7	3/4/2010		168.08	14.02	--	154.06	430	<0.50	<0.50	<0.50	<1.0	920	4	<0.50	<0.50	17	<100	<0.5	0.74	3.3	(P)	
MW-7	9/2/2010		168.08	20.43	--	147.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	3/15/2011		168.08	14.86	--	153.22	<1,000	<0.50	<0.50	<0.50	<1.0	990	130	<0.50	<0.50	17	<250	<0.5	0.81	--	(P)	
MW-7	8/17/2011		168.08	19.01	--	149.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/6/2012		168.08	18.20	--	149.88	<50	<0.50	<0.50	<0.50	<1.0	22	<4.0	<0.50	<0.50	<0.50	<250	<0.5	<0.5	--	(P)	
MW-7	8/21/2012		168.08	20.29	--	147.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	2/4/2013		168.08	17.60	--	150.48	<500	<0.50	<0.50	<0.50	<1.0	290	<4.0	<0.50	<0.50	6.4	<250	<0.5	<0.5	--		
MW-7	8/1/2013		168.08	20.68	--	147.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	3/7/1991		165.74	16.72	--	149.02	2.7	780	450	64	310	--	--	--	--	--	--	--	--	--	--	
MW-8	4/1/1991		165.74	12.54	--	153.20	15,000	3,600	2,600	410	1,900	--	--	--	--	--	--	--	--	--	--	
MW-8	6/27/1991		--	--	--	--	12,000	3,400	1,100	240	750	--	--	--	--	--	--	--	--	--	--	
MW-8	9/27/1991		--	--	--	--	41	5,700	5,200	1,100	4,300	--	--	--	--	--	--	--	--	--	--	
MW-8	12/18/1991		--	--	--	--	3.2	990	150	120	250	--	--	--	--	--	--	--	--	--	--	
MW-8	7/3/1992		165.74	18.78	--	146.96	72,000	19,000	32,000	3,000	15,000	--	--	--	--	--	--	--	--	--	--	
MW-8	10/5/1992		165.74	20.48	--	145.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	1/13/1993		165.74	12.87	--	152.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	4/23/1993		165.74	13.90	--	151.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	7/12/1993		165.74	18.30	--	147.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	10/21/1993		165.74	21.91	--	142.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	1/21/1994		165.74	19.12	--	146.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	4/20/1994		165.74	19.28	--	146.46	26,000	1,700	4,100	960	4,000	632	--	--	--	--	--	--	--	--	1.1	
MW-8	12/23/1994		165.74	13.81	--	151.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	6/8/1995		165.74	17.82	--	147.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	8/22/1995		165.74	19.41	--	146.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	10/27/1995		165.74	20.47	--	145.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	1/25/1996		165.74	13.35	--	152.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	4/19/1996		165.74	14.40	--	151.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	7/23/1996		165.74	18.35	--	147.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	11/11/1996		165.74	19.41	--	146.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	1/21/1997		165.74	12.29	--	153.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	8/21/1997		165.74	19.61	--	146.13	240,000	1,100	9,300	4,100	31,100	<1,000	--	--	--	--	--	--	--	--	5.2	
MW-8	11/5/1997		165.74	19.45	--	146.29	57,000	790	2,700	2,300	15,200	<1,000	--	--	--	--	--	--	--	--	5	
MW-8	2/3/1998		165.74	9.33	--	156.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	2/4/1998		--	--	--	--	94,000	570	1,500	2,100	15,200	<2,500	--	--	--	--	--	--	--	--	5.5	
MW-8	12/30/1998		165.74	15.48	--	150.26	120,000	460	2,300	2,200	15,000	150	--	--	--	--	--	--	--	--	--	
MW-8	2/2/1999		165.74	18.29	--	147.45	82,000	450	2,200	3,700	26,000	<500	--	--	--	--	--	--	--	--	--	
MW-8	5/10/1999		165.74	15.62	--	150.12	28,000	740	1,800	1,100	5,800	<25	--	--	--	--	--	--	--	--	--	
MW-8	8/24/1999		165.74	18.41	--	147.33	75,000	530	1,400	3,300	21,000	150	--	--	--	--	--	--	--	--	--	
MW-8	11/3/1999		165.74	18.71	--	147.03	70,000	600	1,300	3,600	20,500	750	--	--	--	--	--	--	--	--	--	
MW-8	3/1/2000		165.74	19.37	--	146.37	27,000	1,600	1,200	2,600	6,600	120	--	--	--	--	--	--	--	--	--	
MW-8	11/20/2000		165.74	17.42	--	148.32	1,300,000	1,400	1,700	20,000	16,000	5,700	--	--	--	--	--	--	--	--	--	
MW-8	9/5/2001		165.74	21.45	0.04	144.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	11/30/2001		165.74	18.31	--	147.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	2/20/2002		165.74	14.02	--	151.72	20,000	163	114	403	3,810	80.4	--	--	--	--	--	--	--	--	--	
MW-8	6/20/2002		165.74	17.56	--	148.18	28,000	466	141	962	5,850	2,520	--	--	--	--	--	--	--	--	--	
MW-8	9/11/2002		165.74	19.45	--	146.29	190,000	1,500	670	4,500	23,000	1,200	--	--	--	--	--	--	--	--	--	
MW-8	11/12/2002		165.74	19.15	--	146.59	420	6.4	2.9	16	110	31	--	--	--	--	--	--	--	--	--	
MW-8	1/29/2003		165.74	15.02	--	150.72	200,000	810	<500	2,000	11,000	<500	<2,000	<50	<50	<50	<4,000	<50	<50	--	--	
MW-8	5/22/2003		165.74	15.07	--	150.67	--	--	--	--	--	--	<1,000	<25	<25	<25	<5,000	--	--	--	--	
MW-8	6/24/2003		165.74	17.95	--	147.79	43,000	860	300	2,100	9,600	46	--	--	--	--	--	--	--	--	--	
MW-8	7/28/2003		165.74	19.45	--	146.29	62,000	690	230	1,800	15,000	2,100	<4,000	<100	<100	<100	<20,000	<100	<100	--	--	
MW-8	8/12/2003		165.74	19.40	0.01	146.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	9/12/2003		165.74	19.34	--	146.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	11/18/2003		165.74	18.80	0.01	146.94	8,800	500	37	530	930	1,700	<400	<10	<10	20	<2,000	--	--	--	--	
MW-8	2/23/2004		165.74	12.82	0.01	152.92	32,000	840	360	1,000	7,100	110	<2,000	<50	<50	<50	<10,000	<50	<50	--	--	
MW-8	5/4/2004		165.74	18.87	0.01	146.87	42,000	570	230	1,700	8,400	2,000	<1,000	<25	<25	33	<5,000	<25	<25	--	--	
MW-8	8/4/2004		165.74	19.37	0.05	146.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-8	9/22/2004		165.74	19.60	--	146.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	11/10/2004		165.74	16.58	--	149.16	11,000	790	61	1,000	830	74	<1,000	<25	<25	<25	<5,000	<25	<25	--		
MW-8	2/15/2005		165.74	12.85	--	152.89	38,000	1,300	390	2,300	7,900	<50	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-8	5/16/2005		165.74	12.22	--	153.52	31,000	1,000	360	2,500	7,500	<50	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-8	8/17/2005		165.74	17.80	--	147.94	60,000	540	240	2,500	8,600	<50	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-8	11/18/2005		165.74	21.02	--	144.72	33,000	340	120	1,400	4,900	140	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-8	2/7/2006		165.74	10.73	--	155.01	5,700	94	27	260	820	7.5	<200	<5.0	<5.0	<5.0	<3,000	<5	<5	--		
MW-8	5/19/2006		165.74	13.89	--	151.85	40,000	1,100	320	2,900	6,000	<25	<1,000	<25	<25	<25	<15,000	<25	<25	--		
MW-8	8/23/2006		165.74	18.85	--	146.89	21,000	520	150	1,800	6,300	82	<1,000	<25	<25	<25	<15,000	<25	<25	--		
MW-8	11/15/2006		165.74	18.75	--	146.99	3,300	81	<25	130	430	110	<1,000	<25	<25	<25	<15,000	<25	<25	0.81		
MW-8	2/14/2007		165.74	13.45	(Sheen)	152.29	9,300	320	<25	360	710	82	<1,000	<25	<25	<25	<15,000	<25	<25	1.89		
MW-8	5/22/2007		165.74	15.92	(Sheen)	149.82	17,000	370	51	760	1,600	11	<400	<10	<10	<10	<6,000	<10	<10	1.05		
MW-8	8/15/2007		165.74	19.11	(Sheen)	146.63	17,000	170	44	1,000	2,700	28	<400	<10	<10	<10	<6,000	<10	<10	3.93		
MW-8	11/8/2007		165.74	18.46	(Sheen)	147.28	24,000	150	43	1,100	3,200	27	<1,000	<25	<25	<25	<15,000	<25	<25	1.29		
MW-8	8/20/2008		165.74	19.66	0.01	146.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
MW-8	2/25/2009		165.74	11.50	(Sheen)	154.24	3,400	160	11	88	65	35	<200	<10	<10	<10	<6,000	<10	<10	2.18		
MW-8	4/8/2009		165.74	14.55	--	151.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	5/28/2009		165.74	16.12	(Sheen)	149.62	8,300	410	54	660	800	<2.5	<50	<2.5	<2.5	<2.5	<1,500	<2.5	<2.5	0.06		
MW-8	6/16/2009		165.74	17.63	--	148.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	3/4/2010		165.74	10.33	--	155.41	11,000	520	110	830	1,600	<5.0	<40	<5.0	<5.0	<5.0	<1,000	<5	<5	0.82	(P)	
MW-8	9/2/2010		165.74	18.52	--	147.22	6,900	180	24	280	480	<5.0	<40	<5.0	<5.0	<5.0	<1,000	<5	<5	--	(P)	
MW-8	3/15/2011		165.74	11.03	--	154.71	14,000	470	150	1,400	3,000	<2.5	<20	<2.5	<2.5	<2.5	<1,200	<2.5	<2.5	--	(P)	
MW-8	8/17/2011		165.74	17.14	--	148.60	4,100	180	24	280	340	<5.0	<40	<5.0	<5.0	<5.0	<2,500	<5	<5	--	(P)	
MW-8	2/6/2012		165.74	15.07	--	150.67	5,100	140	18	210	220	<5.0	<40	<5.0	<5.0	<5.0	2,900	<5*	<5	--	(P)	
MW-8	8/21/2012		165.74	18.88	--	146.86	3,600	220	25	170	170	<5.0	<40	<5.0	<5.0	<5.0	<2,500	<5	<5	--		
MW-8	2/4/2013		165.74	14.88	--	150.86	2,300	71	13	150	230	<5.0	<40	<5.0	<5.0	<5.0	<2,500	<5	<5	--		
MW-8	8/1/2013		165.74	18.96	--	146.78	5,300	140	20	220	190	<5.0	<100	<5.0	<5.0	<5.0	<2,500	<5.0	<5.0	2.04		
MW-9	3/7/1991		166.20	16.79	--	149.41	7.1	220	4	2.4	2,400	--	--	--	--	--	--	--	--	--	--	
MW-9	4/1/1991		166.20	12.89	--	153.31	14,000	2,000	2,600	360	1,600	<10	<80	<10	<10	<10	<2,000	<10	<10	--		
MW-9	6/27/1991		--	--	--	--	3,600	520	400	85	310	--	--	--	--	--	--	--	--	--	--	
MW-9	9/27/1991		--	--	--	--	3.2	720	150	50	180	--	--	--	--	--	--	--	--	--	--	
MW-9	12/18/1991		--	--	--	--	--	2.5	1.1	0.3	5.8	--	--	--	--	--	--	--	--	--	--	
MW-9	7/3/1992		166.20	18.89	--	147.31	5,700	17,000	840	230	800	--	--	--	--	--	--	--	--	--	--	
MW-9	10/5/1992		166.20	20.52	--	145.68	1,400	440	17	14	100	--	--	--	--	--	--	--	--	--	--	
MW-9	1/13/1993		166.20	12.92	--	153.28	11,000	1,200	1,700	340	1,400	--	--	--	--	--	--	--	--	--	--	
MW-9	1/13/1993	Dup	166.20	12.92	--	153.28	11,000	1,200	1,600	330	1,300	--	--	--	--	--	--	--	--	--	--	(Dup)
MW-9	4/23/1993		166.20	14.08	--	152.12	24,000	2,800	4,500	730	3,400	350	2,600	<5.0	<5.0	12	<1,000	<5	<5	--		
MW-9	7/12/1993		166.20	18.44	--	147.76	13,000	1,400	1,100	360	1,400	20.8	--	--	--	--	--	--	--	--	--	
MW-9	7/12/1993	Dup	166.20	18.44	--	147.76	10,000	1,200	900	310	1,200	--	--	--	--	--	--	--	--	--	--	(Dup)
MW-9	10/21/1993		166.20	21.81	--	143.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	1/21/1994		166.20	19.28	--	146.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/20/1994		166.20	19.72	--	146.48	43,000	2,800	6,800	1,300	7,900	768	--	--	--	--	--	<2.5	<2.5	<2.5	1.7	
MW-9	4/20/1994	Dup	166.20	19.72	--	146.48	45,000	2,700	6,800	1,200	8,200	740	160	<2.5	<2.5	<2.5	<500	--	--	--	(Dup)	
MW-9	8/1/1994		166.20	20.18	--	146.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	12/23/1994		166.20	14.22	--	151.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	1/26/1995		166.20	11.85	--	154.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	6/8/1995		166.20	18.33	--	147.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	8/22/1995		166.20	19.95	--	146.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	10/27/1995		166.20	20.88	--	145.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	1/25/1996		166.20	13.84	--	152.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	7/23/1996		166.20	18.84	--	147.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	11/11/1996		166.20	19.91	--	146.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	1/21/1997		166.20	12.93	--	153.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/29/1997		166.20	18.03	0.1	148.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/30/1997		--	--	--	--	78,000	1,900	3,600	3,100	20,600	<5,000	<4.0	<0.50	<0.50	<0.50	<100	<0.5	<0.5	5.5		
MW-9	8/21/1997		166.20	19.56	--	146.64	110,000	2,100	3,400	2,300	18,800	<500	--	--	--	--	--	--	--	--	5.1	
MW-9	11/5/1997		166.20	20.59	0.01	145.60	59,000	1,400	1,700	2,200	17,000	<500	--	--	--	--	--	--	--	--	4.5	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-9	2/3/1998		166.20	10.56	--	155.64	55,000	490	1,200	1,400	10,200	<1,000	--	--	--	--	--	--	--	--	4.9	
MW-9	5/28/1998		166.20	14.21	--	151.99	430	250	1,200	1,500	11,400	<250	4	<0.50	<0.50	17	<100	<0.5	0.74	3.8		
MW-9	5/28/1998	Dup	166.20	14.21	--	151.99	53,000	290	830	1,400	10,500	<500	<40	<5.0	<5.0	<5.0	<1,000	--	--	--		(Dup)
MW-9	12/30/1998		166.20	15.61	--	150.59	83,000	860	1,300	2,400	21,000	180	--	--	--	--	--	--	--	--	--	
MW-9	2/2/1999		166.20	12.33	--	153.87	75,000	530	960	1,900	17,000	<50	--	--	--	--	--	--	--	--	--	
MW-9	5/10/1999		166.20	15.67	--	150.53	22,000	600	1,500	1,100	4,400	72	--	--	--	--	--	--	--	--	--	
MW-9	8/24/1999		166.20	19.10	--	147.10	85,000	850	1,300	1,700	20,000	<250	--	--	--	--	--	--	--	--	--	
MW-9	11/3/1999		166.20	19.58	--	146.62	72,000	700	780	1,900	19,000	<5.0	--	--	--	--	--	--	--	--	--	
MW-9	3/1/2000		166.20	13.19	--	153.01	34,000	78	490	1,100	8,200	63	--	--	--	--	--	--	--	--	--	
MW-9	4/21/2000		166.20	14.29	--	151.91	55,000	260	920	1,500	16,000	<5.0	--	26	--	--	--	--	--	--	--	
MW-9	7/31/2000		166.20	15.01	--	151.19	1,200,000	1,500	6,300	15,000	120,000	1,600	--	--	--	--	--	--	--	--	--	
MW-9	11/20/2000		166.20	18.23	--	147.97	320,000	3,500	19,000	5,000	40,000	3,900	--	--	--	--	--	--	--	--	--	
MW-9	2/18/2001		166.20	13.14	--	153.06	32,000	290	417	1,180	10,400	121	--	--	--	--	--	--	--	--	--	
MW-9	6/7/2001		166.20	17.41	--	148.79	96,000	421	704	2,330	17,300	223	--	--	--	--	--	--	--	--	--	
MW-9	9/5/2001		166.20	20.56	--	145.64	39,000	445	323	1,240	8,940	310	--	--	--	--	--	--	--	--	--	
MW-9	11/30/2001		166.20	17.42	--	148.78	60,000	310	586	1,890	14,200	285	--	--	--	--	--	--	--	--	--	
MW-9	2/20/2002		166.20	13.87	--	152.33	14,000	64	122	897	2,650	293	--	--	--	--	--	--	--	--	--	
MW-9	6/20/2002		166.20	18.22	--	147.98	29,000	307	168	1,100	5,670	208	--	--	--	--	--	--	--	--	--	
MW-9	9/11/2002		166.20	20.27	--	145.93	230,000	1,400	680	3,600	23,000	<2,500	--	--	--	--	--	--	--	--	--	
MW-9	11/12/2002		166.20	19.40	--	146.80	840	5.8	3.6	28	160	21	--	--	--	--	--	--	--	--	--	
MW-9	1/29/2003		166.20	14.30	0.1	151.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	5/22/2003		166.20	15.16	--	151.04	23,000	420	<50	1,000	2,900	<50	38	<50	<50	<50	<100	<0.5	<0.5	--		
MW-9	7/28/2003		166.20	19.55	0.01	146.65	1,500,000	<500	<500	9,800	79,000	<500	<20,000	<500	<500	<500	<100,000	<500	<500	--		
MW-9	8/12/2003		166.20	19.60	0.01	146.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	9/12/2003		166.20	19.60	0.01	146.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	11/18/2003		166.20	18.98	0.01	147.22	19,000	250	18	690	2,400	45	<400	<10	<10	<10	<2,000	--	--	--		
MW-9	2/23/2004		166.20	13.91	0.01	152.29	91,000	<250	440	2,200	13,000	<250	<10,000	<250	<250	<250	<50,000	<250	<250	--		
MW-9	5/4/2004		166.20	18.11	0.01	148.09	39,000	230	44	1,100	4,200	<25	<1,000	<25	<25	<25	<5,000	<25	<25	--		
MW-9	8/4/2004		166.20	18.90	0.03	147.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	9/22/2004		166.20	19.69	--	146.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	11/10/2004		166.20	16.95	--	149.25	31,000	300	<50	1,100	3,800	<50	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-9	2/15/2005		166.20	12.95	--	153.25	19,000	200	<50	720	2,000	<50	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-9	5/16/2005		166.20	12.53	--	153.67	17,000	99	15	770	2,500	<10	4.4	<10	<10	<10	<2,000	<0.5	<0.5	--		
MW-9	8/17/2005		166.20	18.03	--	148.17	28,000	160	26	1,000	2,700	<12	<500	<12	<12	<12	<2,500	<12	<12	--		
MW-9	11/18/2005		166.20	19.04	--	147.16	12,000	98	<5.0	410	510	19	<200	<5.0	<5.0	<5.0	<1,000	<5	<5	--		
MW-9	2/7/2006		166.20	10.95	(Sheen)	155.25	18,000	110	8.7	770	1,500	<5.0	<4.0	<5.0	<5.0	5.4	<3,000	<0.5	<0.5	--		
MW-9	8/23/2006		166.20	18.91	--	147.29	28,000	84	<50	1,600	6,200	<50	<2,000	<50	<50	<50	<30,000	<50	<50	--		
MW-9	11/15/2006		166.20	18.60	--	147.60	8,200	44	<25	190	370	26	<1,000	<25	<25	<25	<15,000	<25	<25	0.92		
MW-9	2/14/2007		166.20	13.30	--	152.90	20,000	64	<25	720	2,000	<25	<1,000	<25	<25	<25	<15,000	<25	<25	0.87		
MW-9	5/22/2007		166.20	16.14	(Sheen)	150.06	16,000	80	<25	460	1,200	<25	<1,000	<25	<25	<25	<15,000	<25	<25	0.81		
MW-9	8/15/2007		166.20	19.31	(Sheen)	146.89	5,900	27	<2.5	59	170	27	<100	<2.5	<2.5	<2.5	<1,500	<2.5	<2.5	2.57		
MW-9	11/8/2007		166.20	18.70	--	147.50	6,100	29	<5.0	98	250	52	<200	<5.0	<5.0	<5.0	<3,000	<5	<5	1.24		
MW-9	2/20/2008		166.20	12.79	0.03	153.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	5/7/2008		166.20	17.68	0.03	148.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	8/20/2008		166.20	19.75	0.01	146.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	11/17/2008		166.20	18.73	--	147.47	10,000	24	<2.5	160	140	33	<50	<2.5	<2.5	<2.5	<1,500	<2.5	<2.5	--		
MW-9	2/25/2009		166.20	11.23	(Sheen)	154.97	14,000	60	<10	550	140	<10	<200	<10	<10	<10	<6,000	<10	<10	2.27		
MW-9	4/8/2009		166.20	14.21	--	151.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	5/28/2009		166.20	16.33	(Sheen)	149.87	8,000	49	<2.5	790	140	<2.5	<200	<2.5	<2.5	<2.5	<6,000	<10	<10	0.07		
MW-9	6/16/2009		166.20	17.82	0.01	148.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	8/6/2009		166.20	19.25	(Sheen)	146.95	6,800	19	<2.0	120	250	18	<40	<2.0	<2.0	<2.0	<1,200	<2	<2	0		
MW-9	3/4/2010		166.20	10.32	--	155.88	6,000	29	<2.5	<2.5	100	<2.5	<20	<2.5	<2.5	<2.5	<500	<2.5	<2.5	0.62	(P)	
MW-9	9/2/2010		166.20	18.72	--	147.48	5,700	31	<2.5	160	120	<2.5	<20	<2.5	<2.5	<2.5	<500	<2.5	<2.5	--	(NP)	
MW-9	3/15/2011		166.20	11.08	--	155.12	6,500	17	<2.5	150	73	<2.5	<20	<2.5	<2.5	<2.5	<1,200	<2.5	<2.5	--	(P)	
MW-9	8/17/2011		166.20	17.35	--	148.85	5,200	9.5	<2.5	71	54	<2.5	<20	<2.5	<2.5	<2.5	<1,300	<2.5	<2.5	--		
MW-9	2/6/2012		166.20	15.52	--	150.68	4,200	14	<2.5	49	22	<2.5	<20	<2.5	<2.5	<2.5	<1,300	<2.5*	<2.5	--	(P)	
MW-9	8/21/2012		166.20	18.79	--	147.41	4,200	22	<2.5	42	21	<2.5	<20	<2.5	<2.5	<2.5	<1,300	<2.5	<2.5	--		
MW-9	2/4/2013		166.20	14.16	--	152.04	4,100	4.8	<2.5	34	13	<2.5	<20	<2.5	<2.5	<2.5	<1,300	<2.5	<2.5	--		

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes
MW-9	8/1/2013		166.20	19.16	--	147.04	5,500	4.8	<2.5	36	21	<2.5	<50	<2.5	<2.5	<2.5	<1,300	<2.5	<2.5	1.87	
MW-10	3/7/1991		167.01	18.09	--	148.92	1.6	120	190	32	230	--	--	--	--	--	--	--	--	--	
MW-10	4/1/1991		167.01	13.92	--	153.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	6/27/1991		--	--	--	--	12,000	7,300	500	150	300	--	--	--	--	--	--	--	--	--	
MW-10	9/27/1991		--	--	--	--	57	12,000	7,200	1,400	4,600	--	--	--	--	--	--	--	--	--	
MW-10	12/18/1991		--	--	--	--	5.3	2,500	120	36	79	--	--	--	--	--	--	--	--	--	
MW-10	7/3/1992		167.01	19.92	--	147.09	8,600	5,100	1,300	180	690	--	--	--	--	--	--	--	--	--	
MW-10	10/5/1992		167.01	21.92	--	145.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	1/13/1993		167.01	14.43	--	152.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	4/23/1993		167.01	15.26	--	151.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	7/12/1993		167.01	19.78	--	147.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	10/21/1993		167.01	22.90	--	144.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	1/21/1994		167.01	20.25	--	146.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	4/20/1994		167.01	20.74	--	146.27	100,000	12,000	24,000	2,400	14,000	1,577	--	--	--	--	--	--	--	--	1
MW-10	8/1/1994		167.01	22.00	--	145.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	12/23/1994		167.01	16.08	--	150.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	1/26/1995		167.01	13.68	--	153.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	6/8/1995		167.01	19.08	--	147.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	8/22/1995		167.01	20.73	--	146.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	10/27/1995		167.01	21.69	--	145.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	1/25/1996		167.01	15.05	--	151.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	4/19/1996		167.01	16.26	--	150.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	7/23/1996		167.01	20.18	--	146.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	11/11/1996		167.01	21.20	--	145.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	1/21/1997		167.01	13.66	--	153.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	4/29/1997		167.01	18.71	--	148.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	4/30/1997		--	--	--	--	170,000	9,700	38,000	4,700	30,500	<5,000	--	--	--	--	--	--	--	--	5.6
MW-10	8/21/1997		167.01	20.19	--	146.82	170,000	9,500	35,000	4,300	27,100	<5,000	--	--	--	--	--	--	--	--	5.3
MW-10	11/5/1997		167.01	20.52	--	146.49	80,000	3,800	12,000	2,700	15,700	<500	--	--	--	--	--	--	--	--	4.4
MW-10	2/3/1998		167.01	10.62	--	156.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	2/4/1998		--	--	--	--	72,000	500	1,300	1,700	12,000	<1,000	--	--	--	--	--	--	--	--	5.1
MW-10	5/28/1998		167.01	15.46	--	151.55	220,000	3,200	24,000	5,200	43,000	<1,000	--	--	--	--	--	--	--	--	4.8
MW-10	12/30/1998		167.01	16.65	--	150.36	110,000	3,500	14,000	5,800	50,000	<50	--	--	--	--	--	--	--	--	
MW-10	2/2/1999		167.01	14.58	--	152.43	74,000	1,000	2,800	1,000	26,000	860	--	--	--	--	--	--	--	--	
MW-10	5/10/1999		167.01	15.72	--	151.29	81,000	2,800	2,800	3,000	17,000	220	--	--	--	--	--	--	--	--	
MW-10	8/24/1999		167.01	19.85	--	147.16	54,000	3,500	3,800	1,500	9,100	<250	--	--	--	--	--	--	--	--	
MW-10	11/3/1999		167.01	20.00	--	147.01	30,000	3,000	3,500	1,200	5,000	31	--	--	--	--	--	--	--	--	
MW-10	3/1/2000		167.01	14.62	--	152.39	62,000	320	1,200	1,100	26,000	4,400	--	--	--	--	--	--	--	--	
MW-10	4/21/2000		167.01	15.46	--	151.55	88,000	2,700	7,400	3,700	35,000	2,400	--	--	--	--	--	--	--	--	
MW-10	11/20/2000		167.01	18.74	--	148.27	78,000	3,800	5,500	2,800	13,000	450	--	--	--	--	--	--	--	--	
MW-10	2/18/2001		167.01	14.10	--	152.91	39,000	1,050	1,160	1,550	14,700	4,180	--	--	--	--	--	--	--	--	
MW-10	6/7/2001		167.01	18.78	--	148.23	76,000	2,460	2,840	3,330	20,700	635	--	--	--	--	--	--	--	--	
MW-10	9/5/2001		167.01	21.40	0.01	145.60	25,000	2,510	2,070	1,090	4,540	189	--	--	--	--	--	--	--	--	
MW-10	11/30/2001		167.01	18.50	--	148.51	100,000	2,480	5,720	3,890	22,800	325	--	--	--	--	--	--	--	--	
MW-10	2/20/2002		167.01	14.39	--	152.62	49,000	2,170	3,070	1,960	12,300	1,090	--	--	--	--	--	--	--	--	
MW-10	6/20/2002		167.01	18.80	--	148.21	44,000	2,040	3,050	1,690	8,430	224	--	--	--	--	--	--	--	--	
MW-10	9/11/2002		167.01	20.52	--	146.49	28,000	1,200	2,700	1,400	6,800	<250	--	--	--	--	--	--	--	--	
MW-10	11/12/2002		167.01	20.37	0.07	146.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	1/29/2003		167.01	16.33	0.03	150.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	5/22/2003		167.01	16.32	--	150.69	13,000	2,100	850	630	1,600	300	<2,000	<50	<50	<50	<10,000	--	--	--	
MW-10	6/24/2003		167.01	18.73	0.04	148.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	7/28/2003		167.01	20.39	0.04	146.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	8/12/2003		167.01	20.43	0.01	146.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	9/12/2003		167.01	20.41	--	146.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	11/18/2003		167.01	19.55	0.01	147.46	9,900	2,200	530	320	860	<50	<2,000	<50	<50	<50	<10,000	--	--	--	
MW-10	2/23/2004		167.01	15.45	0.01	151.56	46,000	1,900	2,000	1,800	9,000	180	<4,000	<100	<100	<100	<20,000	<100	<100	--	
MW-10	5/4/2004		167.01	18.81	0.01	148.20	35,000	3,100	3,600	1,400	5,600	<25	<1,000	<25	<25	<25	<5,000	<25	<25	--	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
MW-10	8/4/2004		167.01	18.90	--	148.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	9/22/2004		167.01	20.60	--	146.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	11/10/2004		167.01	17.95	--	149.06	9,800	470	91	450	1,700	230	<1,000	<25	<25	<25	<5,000	<25	<25	--		
MW-10	1/13/2005		167.01	12.21	--	154.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	2/15/2005		167.01	14.19	--	152.82	30,000	510	330	1,800	7,200	77	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-10	5/16/2005		167.01	13.85	--	153.16	37,000	540	730	2,100	9,200	<50	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-10	8/17/2005		167.01	19.01	--	148.00	15,000	1,100	420	1,200	4,100	<50	<2,000	<50	<50	<50	<10,000	<50	<50	--		
MW-10	11/18/2005		167.01	19.95	--	147.06	12,000	1,200	240	550	1,300	16	<500	<12	<12	<12	<2,500	<12	<12	--		
MW-10	2/7/2006		167.01	12.28	(Sheen)	154.73	22,000	340	580	1,300	4,500	73	<1,000	<25	<25	<25	<15,000	<25	<25	--		
MW-10	5/19/2006		167.01	15.12	--	151.89	40,000	690	430	2,600	4,900	<25	<1,000	<25	<25	<25	<15,000	<25	<25	--		
MW-10	8/23/2006		167.01	20.00	--	147.01	13,000	1,500	540	1,200	3,000	<10	<400	<10	<10	<10	<6,000	<10	<10	--		
MW-10	11/15/2006		167.01	19.84	--	147.17	3,800	700	22	67	160	54	<400	<10	<10	<10	<6,000	<10	<10	0.65		
MW-10	2/14/2007		167.01	14.94	(Sheen)	152.07	37,000	350	120	2,400	8,100	120	<400	<10	<10	<10	<6,000	<25	<10	2.12		
MW-10	5/22/2007		167.01	17.17	(Sheen)	149.84	13,000	810	130	750	2,200	15	<400	<10	<10	<10	<6,000	<10	<10	0.06		
MW-10	8/15/2007		167.01	20.30	(Sheen)	146.71	4,400	550	38	160	310	<10	<400	<10	<10	<10	<6,000	<10	<10	3.09		
MW-10	11/8/2007		167.01	19.58	(Sheen)	147.43	13,000	970	130	480	1,600	6	<200	<5.0	<5.0	<5.0	<3,000	<5	<5	1.47		
MW-10	2/20/2008		167.01	14.27	0.05	152.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	5/7/2008		167.01	18.61	--	148.40	16,000	970	150	770	2,000	<20	<400	<20	<20	<20	<12,000	<20	<20	2.18		
MW-10	8/20/2008		167.01	20.71	0.01	146.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	11/17/2008		167.01	19.71	--	147.30	10,000	960	57	270	720	23	<400	<20	<20	<20	<12,000	<20	<20	--		
MW-10	2/25/2009		167.01	13.10	--	153.91	2,900	53	14	69	160	170	280	<10	<10	<10	<6,000	<10	<10	4.06		
MW-10	4/8/2009		167.01	15.91	--	151.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	5/28/2009		167.01	17.37	(Sheen)	149.64	15,000	640	280	790	2,500	65	110	<2.5	<2.5	<2.5	<1,500	<2.5	<2.5	0.03		
MW-10	6/16/2009		167.01	18.79	0.01	148.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	8/6/2009		167.01	20.19	(Sheen)	146.82	23,000	850	490	1,200	4,100	<25	<500	<25	<25	<25	<15,000	<25	<25	0.06		
MW-10	3/4/2010		167.01	12.32	--	154.69	12,000	71	72	740	1,800	<2.5	160	<2.5	<2.5	<2.5	<500	<2.5	<2.5	0.56	(P)	
MW-10	9/2/2010		167.01	19.63	--	147.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(b,j)
MW-10	3/15/2011		167.01	13.20	--	153.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(b,j)
MW-10	8/17/2011		167.01	18.27	--	148.74	4,000	780	39	250	290	<5.0	<40	<5.0	<5.0	<5.0	<2,500	<5	<5	--	(P)	
MW-10	2/6/2012		167.01	16.32	--	150.69	6,300	1,100	39	340	470	<5.0	<40	<5.0	<5.0	<5.0	<2,500	<5*	<5	--	(P)	
MW-10	8/21/2012		167.01	19.66	0.02	147.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(LPH)
MW-10	2/4/2013		167.01	15.75	(sheen)	151.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	8/1/2013		167.01	20.03	0.01	146.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(LPH)
RW-1	3/7/1991		168.01	17.62	--	150.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	4/1/1991		168.01	14.40	--	153.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	7/3/1992		168.01	20.66	--	147.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	10/5/1992		168.01	23.34	--	144.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	1/13/1993		168.01	16.59	--	151.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	4/23/1993		168.01	16.17	--	151.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	7/12/1993		168.01	20.18	--	147.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	10/21/1993		168.01	25.70	--	142.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	1/21/1994		168.01	21.24	--	146.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	4/20/1994		168.01	32.20	--	135.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/1/1994		168.01	21.70	--	146.31	29,000	580	950	300	7,800	1,200	--	--	--	--	--	--	--	--	1.1	
RW-1	12/23/1994		168.01	16.02	--	151.99	1,300	25	8.6	1.4	69	616	--	--	--	--	--	--	--	--	1.8	
RW-1	1/26/1995		168.01	13.78	--	154.23	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--	--	
RW-1	1/26/1995	Dup	168.01	13.78	--	154.23	<50	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--	--	(Dup)
RW-1	6/8/1995		168.01	20.05	--	147.96	1,300	130	<1.0	<1.0	36	--	--	--	--	--	--	--	--	--	--	
RW-1	8/22/1995		168.01	21.74	--	146.27	2,800	210	9.3	4.3	250	<25	--	--	--	--	--	--	--	--	6.6	
RW-1	8/22/1995	Dup	168.01	21.74	--	146.27	3,300	230	13	4.9	280	<25	--	--	--	--	--	--	--	--	--	(Dup)
RW-1	10/27/1995		168.01	32.00	--	136.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	10/30/1995		--	--	--	--	230	1.4	<1.0	<1.0	<2.0	650	--	--	--	--	--	--	--	--	6.9	
RW-1	10/30/1995	Dup	--	--	--	--	240	1.6	<1.0	<1.0	<2.0	630	--	--	--	--	--	--	--	--	--	(Dup)
RW-1	1/25/1996		168.01	15.41	--	152.60	15,000	3,400	930	330	2,500	5,300	--	--	--	--	--	--	--	--	--	
RW-1	4/19/1996		168.01	16.83	--	151.18	35,000	5,500	3,300	1,700	9,400	14,000	--	--	--	--	--	--	--	--	7.6	
RW-1	4/19/1996	Dup	168.01	16.83	--	151.18	33,000	5,600	3,200	1,700	8,800	15,000	--	--	--	--	--	--	--	--	--	(Dup)
RW-1	7/23/1996		168.01	20.76	--	147.25	46,000	3,600	2,300	900	5,100	36,000	--	--	--	--	--	--	--	--	7.4	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes
RW-1	7/23/1996		168.01	20.76	--	147.25	47,000	3,700	2,500	930	5,300	35,000	--	--	--	--	--	--	--	--	(Dup)
RW-1	11/11/1996	Dup	168.01	21.73	--	146.28	34,000	3,000	1,200	880	4,600	22,000	--	--	--	--	--	--	--	8.3	
RW-1	11/11/1996		168.01	21.73	--	146.28	31,000	2,900	1,000	860	4,600	22,000	--	--	--	--	--	--	--	--	(Dup)
RW-1	1/21/1997		168.01	14.20	--	153.81	260	40	16	2.7	34	1,500	--	--	--	--	--	--	--	6.1	
RW-1	1/21/1997	Dup	168.01	14.20	--	153.81	270	42	17	2.7	36	1,500	--	--	--	--	--	--	--	--	(Dup)
RW-1	4/29/1997		168.01	19.15	--	148.86	32,000	3,100	590	1,300	6,000	46,000	--	--	--	--	--	--	--	5.3	
RW-1	8/21/1997		168.01	20.67	--	147.34	7,600	730	58	370	1,780	9,500	--	--	--	--	--	--	--	4.7	
RW-1	11/5/1997		168.01	21.01	--	147.00	39,000	2,300	86	1,300	3,840	56,000	--	--	--	--	--	--	--	4.5	
RW-1	2/3/1998		168.01	10.68	--	157.33	3,400	31	11	29	161	3,200	--	--	--	--	--	--	--	5.1	
RW-1	5/28/1998		168.01	15.55	--	152.46	2,000	90	15	60	305	2,700	--	--	--	--	--	--	--	4.3	
RW-1	12/30/1998		168.01	17.35	--	150.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	2/2/1999		168.01	14.58	--	153.43	82,000	2,300	120	2,000	3,200	78,000	--	--	--	--	--	--	--	--	
RW-1	5/10/1999		168.01	16.00	--	152.01	15,000	620	88	340	660	61,000	--	--	--	--	--	--	--	--	
RW-1	8/24/1999		168.01	20.00	--	148.01	52,000	1,400	170	2,200	2,900	37,000	--	--	--	--	--	--	--	--	
RW-1	11/3/1999		168.01	20.39	--	147.62	17,000	2,500	86	1,500	970	54,000	--	--	--	--	--	--	--	--	
RW-1	3/1/2000		168.01	12.97	--	155.04	17,000	580	78	790	1,100	13,000	--	--	--	--	--	--	--	--	
RW-1	4/21/2000		168.01	16.02	--	151.99	31,000	2,100	100	1,400	1,100	39,000	--	--	--	--	--	--	--	--	
RW-1	7/31/2000		168.01	21.89	--	146.12	47,000	1,300	170	2,700	2,300	30,000	--	--	--	--	--	--	--	--	
RW-1	11/20/2000		168.01	19.15	--	148.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	2/18/2001		168.01	15.35	--	152.66	14,000	589	89	600	712	13,000	--	--	--	--	--	--	--	--	
RW-1	6/7/2001		168.01	19.09	--	148.92	28,000	1,140	68.2	504	530	19,100	--	--	--	--	--	--	--	--	
RW-1	9/5/2001		168.01	22.06	0.02	145.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/30/2001		168.01	19.53	--	148.48	20,000	405	39.4	545	740	8,260	--	--	--	--	--	--	--	--	
RW-1	2/20/2002		168.01	15.99	--	152.02	13,000	469	29	434	655	7,240	--	--	--	--	--	--	--	--	
RW-1	6/20/2002		168.01	19.31	--	148.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	9/11/2002		168.01	21.07	0.03	146.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/12/2002		168.01	20.92	0.02	147.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	1/29/2003		168.01	16.31	0.04	151.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	5/22/2003		168.01	16.68	--	151.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	6/24/2003		168.01	19.76	0.07	148.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	7/28/2003		168.01	21.04	0.04	146.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/12/2003		168.01	21.41	0.01	146.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	9/12/2003		168.01	21.10	0.07	146.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/18/2003		168.01	20.10	0.01	147.91	12,000	770	<50	320	250	6,100	11,000	<50	<50	160	<10,000	--	--	--	
RW-1	2/23/2004		168.01	14.35	0.01	153.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	5/4/2004		168.01	19.58	0.02	148.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/4/2004		168.01	22.05	0.05	146.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	9/22/2004		168.01	21.28	0.06	146.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/10/2004		168.01	18.56	0.02	149.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	1/13/2005		168.01	12.51	0.01	155.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	2/15/2005		168.01	15.24	0.03	152.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	3/7/2005		168.01	11.90	0.02	156.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	5/16/2005		168.01	14.39	0.02	153.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/17/2005		168.01	19.91	0.03	148.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/18/2005		168.01	20.36	0.07	147.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	2/7/2006		168.01	12.87	0.01	155.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	5/19/2006		168.01	15.87	0.04	152.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/23/2006		168.01	20.50	0.07	147.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/15/2006		168.01	20.52	0.07	147.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	2/14/2007		168.01	15.44	0.04	152.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	5/22/2007		168.01	17.78	(Sheen)	150.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/15/2007		168.01	20.80	0.02	147.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/8/2007		168.01	20.32	0.01	147.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	2/20/2008		168.01	14.55	0.02	153.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/20/2008		168.01	21.34	0.02	146.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/17/2008		168.01	20.41	--	147.60	13,000	120	<20	590	320	120	<400	<20	<20	<20	<12,000	<20	<20	--	
RW-1	2/25/2009		168.01	13.40	0.02	154.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	4/8/2009		168.01	16.45	--	151.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table-2
Historical Groundwater Monitoring and Analytical Data
CA-11132
3201 35th Ave, Oakland, CA 94619

Well ID	Date	Type	TOC (ft msl)	DTW (ft)	Measured LNAPL Thickness (ft)	GW Elev (ft msl)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DO (mg/L)	Notes	
RW-1	5/28/2009		168.01	17.88	0.01	150.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	6/16/2009		168.01	19.30	0.01	148.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/6/2009		168.01	20.72	0.01	147.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	3/4/2010		168.01	12.33	--	155.68	8,000	20	<2.5	230	140	110	45	<2.5	<2.5	5.7	<500	<2.5	<2.5	1.24	(P)	
RW-1	9/2/2010		168.01	20.14	--	147.87	4,700	18	<2.5	78	46	<2.5	<20	<2.5	<2.5	<2.5	<500	<2.5	<2.5	--	(NP)	
RW-1	3/15/2011		168.01	13.03	--	154.98	7,000	3.7	<2.5	44	31	6.7	<20	<2.5	<2.5	<2.5	<1,200	<2.5	<2.5	--	(P)	
RW-1	8/17/2011		168.01	18.60	--	149.41	2,800	7.5	<2.5	12	10	8.8	<20	<2.5	<2.5	<2.5	<1,300	<2.5	<2.5	--	(P)	
RW-1	2/6/2012		168.01	16.81	--	151.20	1,300	3.1	<2.5	5.2	5.1	2.9	<20	<2.5	<2.5	<2.5	<1,300	<2.5*	<2.5	--	(P)	
RW-1	8/21/2012		168.01	20.06	--	147.95	1,200	10	0.58	10	5.2	15	<4.0	<0.50	<0.50	1	<250	<0.5	<0.5	--	(P)	
RW-1	2/4/2013		168.01	16.36	(sheen)	151.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/1/2013		168.01	20.50	0.01	147.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(LPH)

Notes:

TOC = Top of casing measured

DTW = Depth to water

LNAPL = Light non-aqueous phase liquid (LPH)

GW Elev = Groundwater elevation

GRO = Gasoline range organics

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total xylenes

MTBE = Methyl tert-butyl ether

TBA = tert-butyl alcohol

DIPE = Di-isopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = tert-Amyl methyl ether

DO = Dissolved oxygen

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromoethane

Ft msl = Feet above mean sea level

DUP = Duplicate sample

-- = Not analyzed/applicable/measured/available

< = Not detected at or above specified laboratory reporting limit

mg/L = Milligrams per liter

µg/L = Micrograms per liter

NP = Well not purged prior to sampling

P = Well purged prior to sampling

b = GWE adjusted assuming a specific gravity of 0.75 for free product

j = Well not sampled due to presence of LPH and nature of the product

t = Sheen in well

y = Sample dilution was done with headspace in the sample vial; the samples were originally analyzed from VOAs without headspace

* = LCS or LCS D exceeds the control limits

Beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list; TPHg was changed to GRO; the resulting data may be impacted by the potential of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported

Beginning in the Second Quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12

Values for DO and pH were obtained through field measurements

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

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

Table 3
Historical Groundwater Flow Direction and Gradient
CA-11132
3201 35th Ave, Oakland, CA 94619

Date Measured	Approximate Gradient Direction	Approximate Gradient Magnitude (ft/ft)
5/19/2006	South	0.003 to 0.005
8/23/2006	Southwest	0.01
11/15/2006	South	0.004
2/14/2007	Southeast	0.01
5/22/2007	South	0.005
8/15/2007	South-Southwest	0.008
11/8/2007	Southwest	0.006
2/20/2008	Southeast	0.008
5/7/2008	South-Southwest	0.003
8/20/2008	South-Southwest	0.007
11/17/2008	South-Southwest	0.005
2/25/2009	Southeast	0.01
5/28/2009	South	0.004
8/6/2009	South-Southwest	0.005
3/4/2010	East-Southeast	0.02
9/2/2010	Southwest	0.01
3/15/2011	Southeast	0.01
8/17/2011	Southwest	0.003
2/6/2012	Southeast	0.005
8/21/2012	Southwest	0.007
2/4/2013	Southwest	0.01
8/1/2013	Southwest	0.007

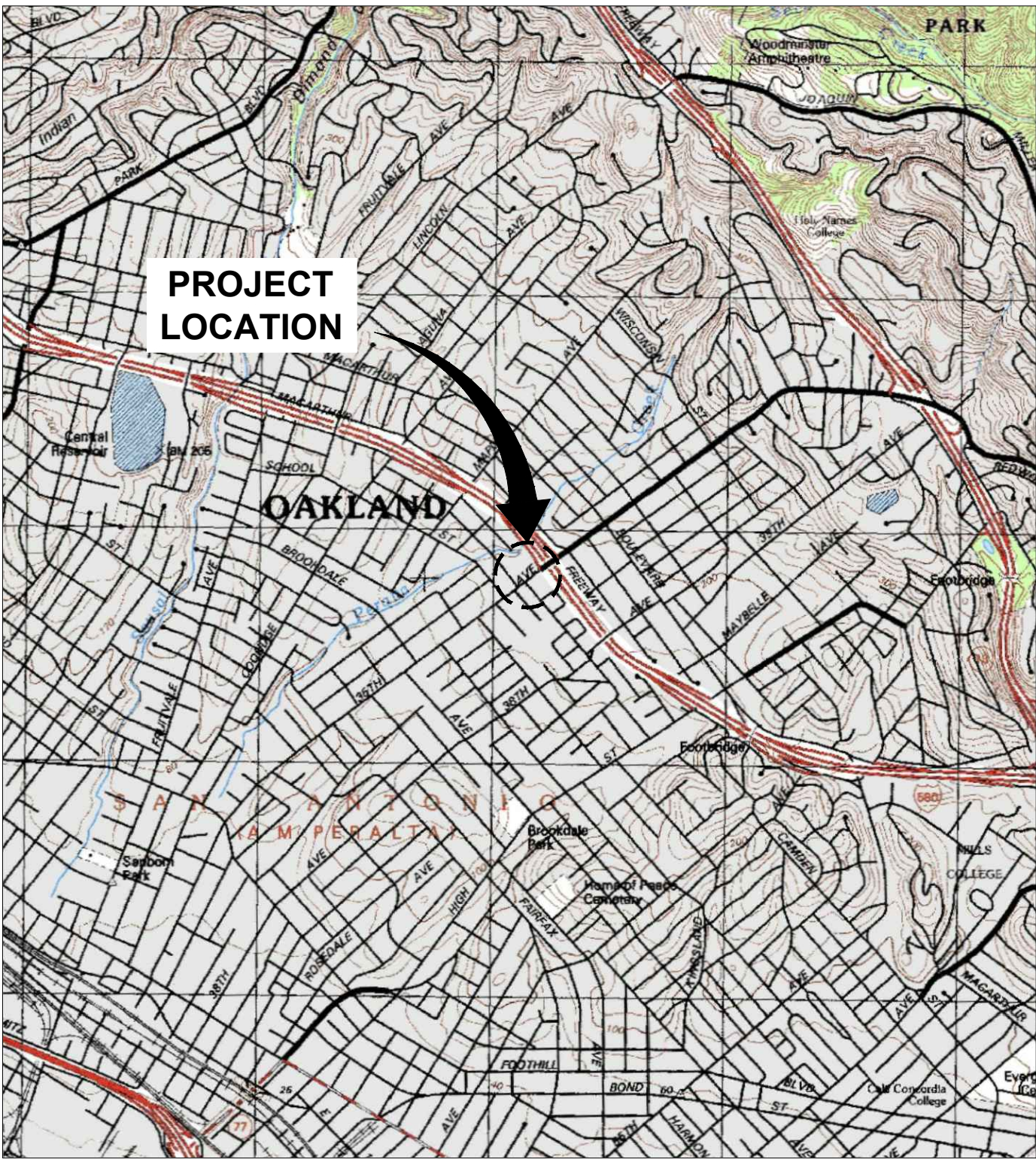
Notes:

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

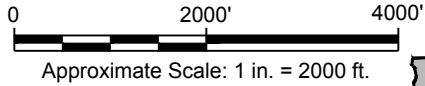
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Figures

CITY: PETALUMA, CA DIV/GROUP: ENV DE: J. HARRIS ID: PIC: PM: H. PHILLIPS TM: J. PETERSON LYN: ON/ON+OFF+REF.
 G:\ENV\CAD\mry\lib\act\IG\98BPNAC12\0000RPT\NAME\DWG\IG\98BPNAC12\01.dwg LAYOUT: 1 SAVER: 8/23/2011 10:31 AM ACADVER: 18.1S (LMS TECH) PAGES: 10/28/2013 3:13 PM BY: REYES, ALEC
 XREFS: IMAGES: PROJECTNAME: USGS TOPO 11132.jp



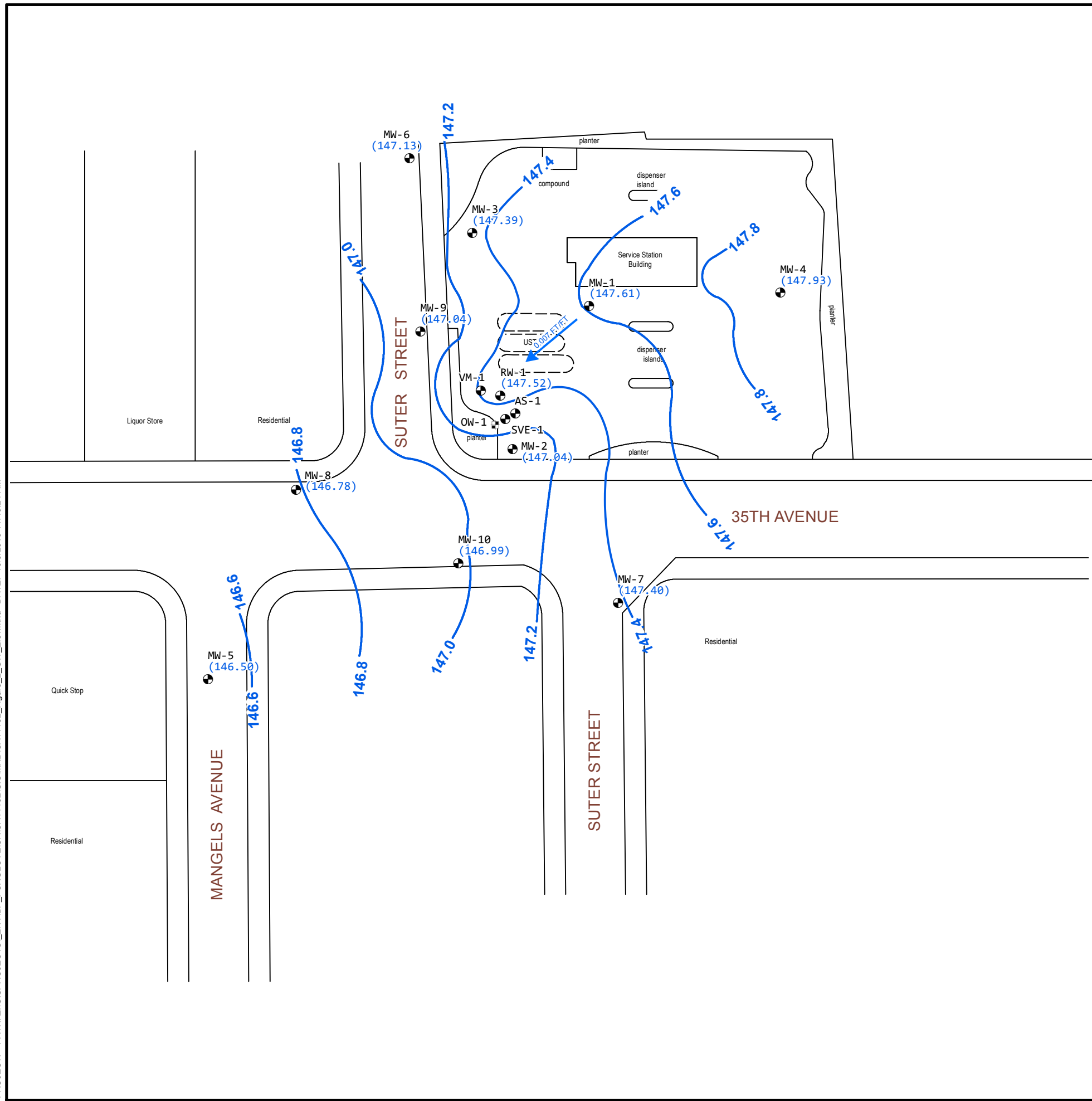
REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., OAKLAND EAST, CALIFORNIA, 1997.



FORMER BP SERVICE STATION #11132
 3201 35TH AVENUE
 OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1

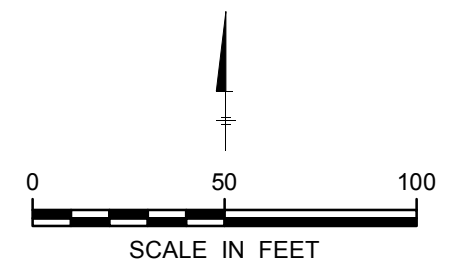


LEGEND:

- EXISTING MONITORING WELL
- GROUNDWATER RECOVERY WELL
- GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- 147.8** — GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
- 0.007 FT/FT** → GROUNDWATER FLOW DIRECTION (FEET PER FOOT)

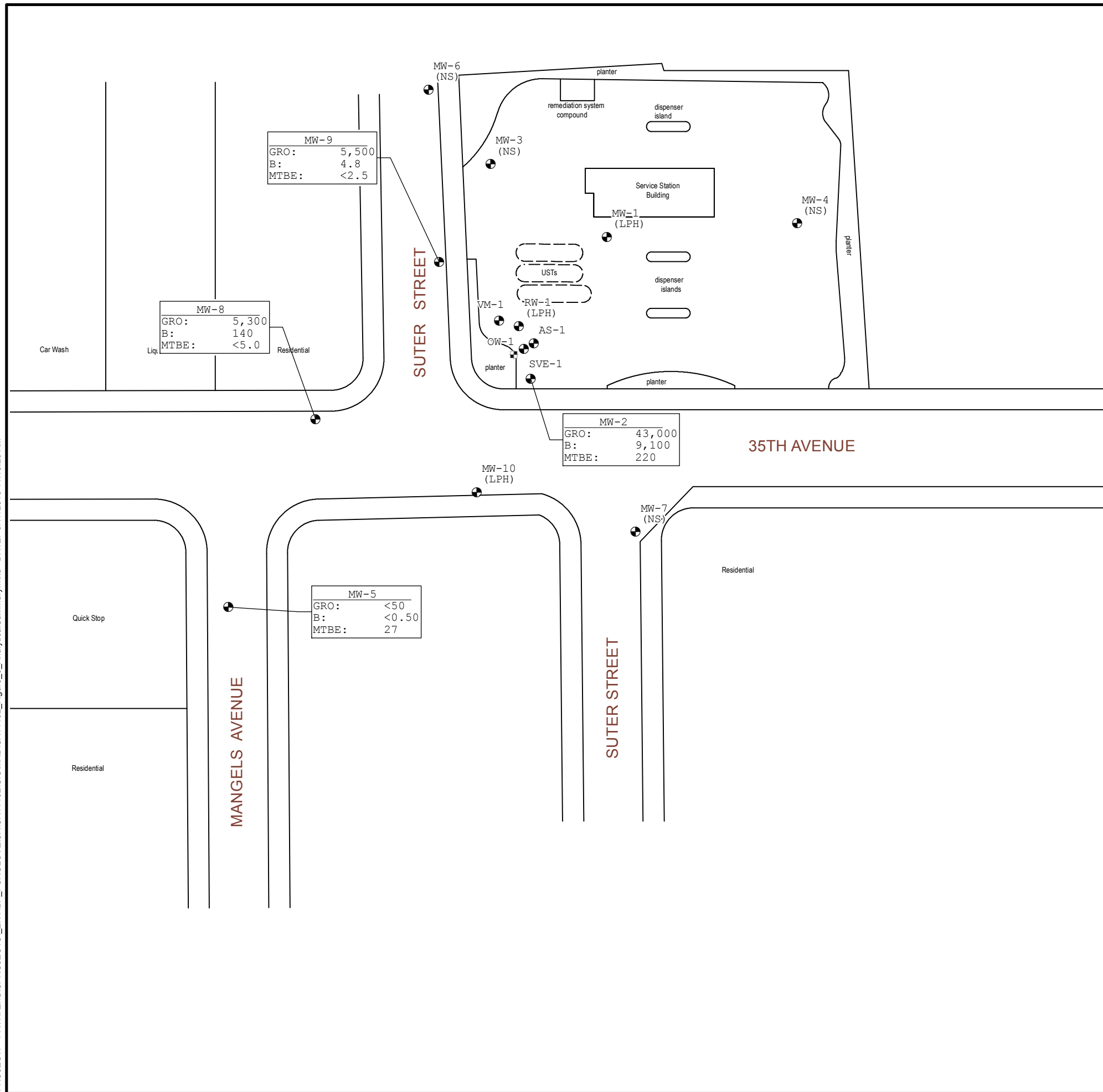
NOTES:

1. SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FIGURES FACILITY LOCATIONS NOT VERIFIED.
2. WELL MW-7 AND SUTER STREET LOCATIONS HAVE BEEN CORRECTED FROM PREVIOUS MAPS.



FORMER BP SERVICE STATION #11132 3201 35TH AVENUE OAKLAND, CALIFORNIA	
GROUNDWATER ELEVATION CONTOUR MAP AUGUST 1, 2013	
	FIGURE 2

CITY: SAN FRANCISCO DIV/GROUP: ENV/IM DB: msmiller LD: PIC: PM: TM: PROJECT: Z:\GIS\PROJECTS\ENWBP_FOXGLOVE\CA\CA11132\GIS\MXD\CA11132_Figure_3_AnalyticalSummary.mxd DATE: 9/17/2013 11:15:29 AM



LEGEND:

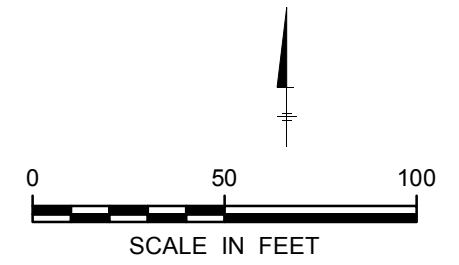
- EXISTING MONITORING WELL
- GROUNDWATER RECOVERY WELL

MW-9		SAMPLE LOCATION ID
GRO:	5,500	CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
B:	4.8	
MTBE:	<2.5	
		ANALYTE

- GRO GASOLINE RANGE ORGANICS
- B BENZENE
- MTBE METHYL TERT-BUTYL ETHER
- < NOT DETECTED AT OR ABOVE STATED LABORATORY REPORTING LIMIT
- LPH LIQUID PHASE HYDROCARBONS
- NS WELL NOT SAMPLED

NOTES:

1. SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FIGURES FACILITY LOCATIONS NOT VERIFIED.
2. WELL MW-7 AND SUTER STREET LOCATIONS HAVE BEEN CORRECTED FROM PREVIOUS MAPS.



FORMER BP SERVICE STATION #11132 3201 35TH AVENUE OAKLAND, CALIFORNIA	
GROUNDWATER ANALYTICAL SUMMARY MAP AUGUST 1, 2013	
	FIGURE 3

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Attachment A

Field Methods

QUALITY ASSURANCE/QUALITY CONTROL FIELD METHODS

Field methods discussed herein were implemented to provide for accuracy and reliability of field activities, data collection, sample collection, and handling. Discussion of these methods is provided below.

1.0 Equipment Calibration

Equipment calibration was performed per equipment manufacturer specifications before use.

2.0 Depth to Groundwater and Light Non-Aqueous Phase Liquid Measurement

Depth to groundwater was measured in wells identified for gauging in the scope of work using a decontaminated water level indicator. The depth to water measurement was taken from a cut notch or permanent mark at the top of the well casing to which the well head elevation was originally surveyed.

Once depth to water was measured, an oil/water interface meter or a new disposable bailer was utilized to evaluate the presence and, if present, to measure the “apparent” thickness of light non-aqueous phase liquid (LNAPL) in the well. If LNAPL was present in the well, groundwater purging and sampling were not performed, unless sampling procedures in the scope of work specified collection of samples in the presence of LNAPL. Otherwise, time allowing, LNAPL was bailed from the well using either a new disposable bailer, or the disposal bailer previously used for initial LNAPL assessment. Bailing of LNAPL continued until the thickness of LNAPL (or volume) stabilized in each bailer pulled from the well, or LNAPL was no longer present. After LNAPL thickness either stabilized or was eliminated, periodic depth to water and depth to LNAPL measurements were collected as product came back into the well to evaluate product recovery rate and to aid in further assessment of LNAPL in the subsurface. LNAPL thickness measurements were recorded as “apparent.” If a bailer was used for LNAPL thickness measurement, the field sampler noted the bailer entry diameter and chamber diameter to enable correction of thickness measurements. Recovered LNAPL was stored on-site in a labeled steel drum(s) or other appropriate container(s) prior to disposal.

3.0 Well Purging and Groundwater Sample Collection

Well purging and groundwater sampling were performed in wells specified in the scope of work after measuring depth to groundwater and evaluating the presence of LNAPL. Purging and sampling were performed using one of the methods detailed below. The method used was noted in the field records. Purge water was stored on-site in labeled steel drum(s) or other appropriate container(s) prior to disposal or on-site treatment (in cases where treatment using an on-site system is authorized).

3.1 Purging a Predetermined Well Volume

Purging a predetermined well volume is performed per ASTM International (ASTM) D4448-01. This purging method has the objective of removing a predetermined volume of stagnant water from the well prior to sampling. The volume of stagnant water

is defined as either the volume of water contained within the well casing, or the volume within the well casing and sand/gravel in the annulus if natural flow through these is deemed insufficient to keep them flushed out.

This purging method involves removal of a minimum of three stagnant water volumes from the well using a decontaminated pump with new disposable plastic discharge or suction tubing, dedicated well tubing, or using a new disposable or decontaminated reusable bailer. If a new disposable bailer was used for assessment of LNAPL, that bailer may be used for purging. The withdrawal rate used is one that minimizes drawdown while satisfying time constraints.

To evaluate when purging is complete, one or more groundwater stabilization parameters are monitored and recorded during purging activities until stabilization is achieved. Most commonly, stabilization parameters include temperature, conductivity, and pH, but field procedures detailed in the scope of work may also include monitoring of dissolved oxygen concentrations, oxidation reduction potential, and/or turbidity¹. Parameters are considered stable when two (2) consecutive readings recorded three (3) minutes apart fall within ranges provided below in Table 1. In the event that the parameters have not stabilized and five (5) well casing volumes have been removed, purging activities will cease and be considered complete. Once the well is purged, a groundwater sample(s) is collected from the well using a new disposable bailer. If a new disposable bailer was used for purging, that bailer may be used to collect the sample(s). A sample is not collected if the well is inadvertently purged dry.

Table 1. Criteria for Defining Stabilization of Water-Quality Indicator Parameters

Parameter	Stabilization Criterion
Temperature	± 0.2°C (± 0.36°F)
pH	± 0.1 standard units
Conductivity	± 3%
Dissolved oxygen	± 10%
Oxidation reduction potential	± 10 mV
Turbidity ¹	± 10% or 1.0 NTU (whichever is greater)

3.2 Low-Flow Purging and Sampling

“Low-Flow”, “Minimal Drawdown”, or “Low-Stress” purging is performed per ASTM D6771-02. It is a method of groundwater removal from within a well’s screened interval that is intended to minimize drawdown and mixing of the water column in the well casing. This is accomplished by pumping the well using a decontaminated pump with new disposable plastic discharge or suction tubing or dedicated well tubing at a low flow rate while evaluating the groundwater elevation during pumping.

¹ As stated in ASTM D6771-02, turbidity is not a chemical parameter and not indicative of when formation-quality water is being purged; however, turbidity may be helpful in evaluating stress on the formation during purging. Turbidity measurements are taken at the same time that stabilization parameter measurements are made, or, at a minimum, once when purging is initiated and again just prior to sample collection, after stabilization parameters have stabilized. To avoid artifacts in sample analysis, turbidity should be as low as possible when samples are collected. If turbidity values are persistently high, the withdrawal rate is lowered until turbidity decreases. If high turbidity persists even after lowering the withdrawal rate, the purging is stopped for a period of time until turbidity settles, and the purging process is then restarted. If this fails to solve the problem, the purging/sampling process for the well is ceased, and well maintenance or redevelopment is considered.

The low flow pumping rate is well specific and is generally established at a volume that is less than or equal to the natural recovery rate of the well. A pump with adjustable flow rate control is positioned with the intake at or near the mid-point of the submerged well screen. The pumping rate used during low-flow purging is low enough to minimize mobilization of particulate matter and drawdown (stress) of the water column. Low-flow purging rates will vary based on the individual well characteristics; however, the purge rate should not exceed 1.0 Liter per minute (L/min) or 0.25 gallon per minute (gal/min). Low-flow purging should begin at a rate of approximately 0.1 L/min (0.03 gal/min)², or the lowest rate possible, and be adjusted based on an evaluation of drawdown. Water level measurements should be recorded at approximate one (1) to two (2) minute intervals until the low-flow rate has been established, and drawdown is minimized. As a general rule, drawdown should not exceed 25% of the distance between the top of the water column and the pump in-take.

To evaluate when purging is complete, one or more groundwater stabilization parameters are monitored and recorded during purging activities until stabilization is achieved. Most commonly, stabilization parameters include temperature, conductivity, and pH, but field procedures detailed in the scope of work may also include monitoring of dissolved oxygen concentrations, oxidation reduction potential, and/or turbidity¹. The frequency between measurements will be at an interval of one (1) to three (3) minutes; however, if a flow cell is used, the frequency will be determined based on the time required to evacuate one cell volume. Stabilization is defined as three (3) consecutive readings recorded several minutes apart falling within ranges provided in Table 1. Samples will be collected by filling appropriate containers from the pump discharge tubing at a rate not to exceed the established pumping rate.

3.3 Minimal Purge, Discrete Depth, and Passive Sampling

Per ASTM D4448-01, sampling techniques that do not rely on purging, or require only minimal purging, may be used if a particular zone within a screened interval is to be sampled or if a well is not capable of yielding sufficient groundwater for purging. To properly use these sampling techniques, a water sample is collected within the screened interval with little or no mixing of the water column within the casing. These techniques include minimal purge sampling which uses a dedicated sampling pump capable of pumping rates of less than 0.1 L/min (0.03 gal/min)², discrete depth sampling using a bailer that allows groundwater entry at a controlled depth (e.g. differential pressure bailer), or passive (diffusion) sampling. These techniques are based on certain studies referenced in ASTM D4448-01 that indicate that under certain conditions, natural groundwater flow is laminar and horizontal with little or no mixing within the well screen.

² According to ASTM D4448-01, studies have indicated that at flow rates of 0.1 L/min, low-density polyethylene (LDPE) and plasticized polypropylene tubing materials are prone to sorption. Therefore, TFE-fluorocarbon or other appropriate tubing material is used, particularly when tubing lengths of 50 feet or longer are used.

4.0 Decontamination

Reusable groundwater sampling equipment were cleaned using a solution of Alconox or other acceptable detergent, rinsed with tap water, and finally rinsed with distilled water prior to use in each well. Decontamination water was stored on-site in labeled steel drum(s) or other appropriate container(s) prior to disposal.

5.0 Sample Containers, Labeling, and Storage

Samples were collected in laboratory prepared containers with appropriate preservative (if preservative was required). Samples were properly labeled (site name, sample I.D., sampler initials, date, and time of collection) and stored chilled (refrigerator or ice chest with ice) until delivery to a certified laboratory, under chain of custody procedures.

6.0 Chain of Custody Record and Procedure

The field sampler was personally responsible for care and custody of the samples collected until they were properly transferred to another party. To document custody and transfer of samples, a Chain of Custody Record was prepared. The Chain of Custody Record provided identification of the samples corresponding to sample labels and specified analyses to be performed by the laboratory. The original Chain of Custody Record accompanied the shipment, and a copy of the record was stored in the project file. When the samples were transferred, the individuals relinquishing and receiving them signed, dated, and noted the time of transfer on the record.

7.0 Field Records

Daily Report and data forms were completed by staff personnel to provide daily record of significant events, observations, and measurements. Field records were signed, dated, and stored in the project file.

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Attachment B

Groundwater Sampling Data
Package



DAILY REPORT

Page 1 of 1

Project: Arcadis 11132 Project No.: 09-88-655

Field Representative(s): Alex Martinez Day: Thursday Date: 8/1/13

Time Onsite: From: 0710 To: 1150 ; From: To: ; From: To:

- Checked items: Signed HASP, Safety Glasses, Hard Hat, Steel Toe Boots, UST Emergency System Shut-off Switches Located, Proper Level of Barricading. Unchecked: Safety Vest, Proper Gloves. Other PPE (describe):

Weather: Foggy/overcast

Equipment In Use: Hydrasteeves, interface probe, DO meter, ultrameter

Visitors: None

TIME:

WORK DESCRIPTION:

0710 Arrived onsite
0720 Set up for round of gauging and placement of hydrasteeves in wells.
0950 Set up @ Mw-5 to sample and re deploy hydrasteeve
1020 Set up @ Mw-9
1050 Set up @ Mw-8
1150 Completed fieldwork & offsite

Signature: Alex Martinez



GROUNDWATER MONITORING SITE SHEET

Project: Arcadis 11132 Project No.: 09-88-655 Date: 8/1/13

Field Representative: AM Elevation: -

Formation recharge rate is historically: High Low (circle one)

W. L. Indicator ID #: - Oil/Water Interface ID #: - (List #s of all equip used.)

Table with columns: WELL ID RECORD (Well ID, Well Sampling Order, As-Built Well Diameter, As-Built Well Screen Interval, Previous Depth to Water) and WELL GAUGING RECORD (Time, Depth to LNAPL, Apparent LNAPL Thickness, Depth to Water, Well Total Depth). Rows include MW-1 through MW-10 and RW-1 with associated data values.

* Device used to measure LNAPL thickness: Bailer Oil/Water Interface Meter (circle one)
If bailer used, note bailer dimensions (inches): Entry Diameter Chamber Diameter

Signature: [Handwritten Signature]

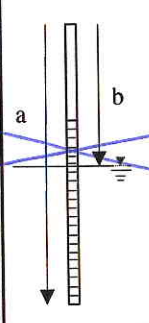


Project: Arcadis 11132 Project No.: 09-88-655 Date: 8/1/13
 Field Representative: AM
 Well ID: MW-2 Start Time: - End Time: - Total Time (minutes): -

PURGE EQUIPMENT _____ Disp. Bailer _____ 120V Pump _____ Flow Cell
 _____ Disp. Tubing _____ 12V Pump _____ Peristaltic Pump Other/ID#: Hydrasleeve (HS)

WELL HEAD INTEGRITY (cap, lock, vault, etc.) _____ Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD _____ Predetermined Well Volume _____ Low-Flow _____ Other: HS (circle one)

PREDETERMINED WELL VOLUME	LOW-FLOW
	
Casing Diameter Unit Volume (gal/ft) (circle one) 1" (0.04) 1.25" (0.08) 2" (0.17) 3" (0.38) Other: _____ 4" (0.66) 6" (1.50) 8" (2.60) 12" (5.81) _____" (____)	Previous Low-Flow Purge Rate: _____ (lpm) Total Well Depth (a): _____ (ft) Initial Depth to Water (b): _____ (ft) Pump In-take Depth = b + (a-b)/2: _____ (ft) Maximum Allowable Drawdown = (a-b)/8: _____ (ft) Low-Flow Purge Rate: _____ (Lpm)*
Total Well Depth (a): _____ (ft) Initial Depth to Water (b): _____ (ft) Water Column Height (WCH) = (a - b): _____ (ft) Water Column Volume (WCV) = WCH x Unit Volume: _____ (gal) Three Casing Volumes = WCV x 3: _____ (gal) Five Casing Volumes = WCV x 5: _____ (gal) Pump Depth (if pump used): _____ (ft)	Comments: _____ <small>*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.</small>

GROUNDWATER STABILIZATION PARAMETER RECORD

Time (24:00)	Cumulative Vol. gal or L	Temperature °C	pH	Conductivity µS or mS	DO mg/L	ORP mV	Turbidity NTU	NOTES Odor, color, sheen or other
1129	-	21.3	7.33	-	1.84	-44	-	

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD _____ Low Flow & Parameters Stable _____ 3 Casing Volumes & Parameters Stable _____ 5 Casing Volumes
 Other: HS

SAMPLE COLLECTION RECORD	GEOCHEMICAL PARAMETERS		
Depth to Water at Sampling: _____ (ft) Sample Collected Via: _____ Disp. Bailer _____ Dedicated Pump Tubing _____ Disp. Pump Tubing Other: <u>HS</u> Sample ID: <u>MW-2</u> Sample Collection Time: <u>1120</u> (24:00) Containers (#): <u>3</u> VOA (<input checked="" type="checkbox"/> preserved or _____ unpreserved) _____ Liter Amber Other: _____ Other: _____ Other: _____ Other: _____	Parameter	Time	Measurement
	DO (mg/L)		
	Ferrous Iron (mg/L)		
	Redox Potential (mV)		
	Alkalinity (mg/L)		
	Other:		
	Other:		



GROUNDWATER SAMPLING DATA SHEET

Project: Arcadis 1132 Project No.: 09-88-655 Date: 8/1/13
Field Representative: AM
Well ID: Mw-5 Start Time: End Time: Total Time (minutes):

PURGE EQUIPMENT: Disp. Bailer, 120V Pump, Flow Cell, Disp. Tubing, 12V Pump, Peristaltic Pump, Other/ID#: Hydrasleeve (HS)

WELL HEAD INTEGRITY (cap, lock, vault, etc.): Comments: Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD: Predetermined Well Volume, Low-Flow, Other: HS (circle one)

PREDETERMINED WELL VOLUME and LOW-FLOW sections with diagrams and calculation fields for Total Well Depth, Initial Depth to Water, etc.

GROUNDWATER STABILIZATION PARAMETER RECORD

Table with 9 columns: Time (24:00), Cumulative Vol. gal or L, Temperature °C, pH, Conductivity µS or mS, DO mg/L, ORP mV, Turbidity NTU, NOTES. Row 1: 1005, -, 19.6, 7.82, -, 2.12, 131, -, Lt. HC odor

Previous Stabilized Parameters

PURGE COMPLETION RECORD: Low Flow & Parameters Stable, 3 Casing Volumes & Parameters Stable, 5 Casing Volumes, Other: HS

SAMPLE COLLECTION RECORD and GEOCHEMICAL PARAMETERS table with fields for Depth to Water, Sample ID, Containers, and various chemical parameters.

Signature: Alex [Signature]



GROUNDWATER SAMPLING DATA SHEET

Page 4 of 5

Project: Arcadis 11132 Project No.: 09-88-655 Date: 8/1/13
Field Representative: AM
Well ID: MW-8 Start Time: End Time: Total Time (minutes):

PURGE EQUIPMENT Disp. Bailer 120V Pump Flow Cell
Disp. Tubing 12V Pump Peristaltic Pump Other/ID#: Hydrasleeve (HS)

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments:
Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: HS (circle one)

PREDETERMINED WELL VOLUME and LOW-FLOW sections with tables for casing diameters and depths, and a well diagram showing depth markers 'a' and 'b'.

GROUNDWATER STABILIZATION PARAMETER RECORD

Table with 9 columns: Time (24:00), Cumulative Vol. (gal or L), Temperature (°C), pH, Conductivity (µS or mS), DO (mg/L), ORP (mV), Turbidity (NTU), and NOTES (Odor, color, sheen or other). Handwritten data for the first row: 1100, -, 19.5, 7.71, -, 2.04, 37, -, HC odor.

Previous Stabilized Parameters

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
Other: HS

SAMPLE COLLECTION RECORD and GEOCHEMICAL PARAMETERS sections. Includes fields for depth to water, sample collection time (1055), and a table for parameters like DO, Ferrous Iron, Redox Potential, and Alkalinity.

Signature: [Handwritten Signature]



GROUNDWATER SAMPLING DATA SHEET

Page 5 of 5

Project: Arcadis 11132 Project No.: 09-88-655 Date: 8/1/13
 Field Representative: AM
 Well ID: MW-9 Start Time: - End Time: - Total Time (minutes): -

PURGE EQUIPMENT Disp. Bailer 120V Pump Flow Cell
 Disp. Tubing 12V Pump Peristaltic Pump Other/ID#: Hydrasleeve (HS)

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: HS (circle one)

PREDETERMINED WELL VOLUME					LOW-FLOW			
Casing Diameter Unit Volume (gal/ft) (circle one)					Previous Low-Flow Purge Rate:			
1" (0.04)	1.25" (0.08)	2" (0.17)	3" (0.38)	Other:	Total Well Depth (a):			
4" (0.66)	6" (1.50)	8" (2.60)	12" (5.81)	" ()	Initial Depth to Water (b):			
Total Well Depth (a): _____ (ft)					Pump In-take Depth = b + (a-b)/2:			
Initial Depth to Water (b): _____ (ft)					Maximum Allowable Drawdown = (a-b)/8:			
Water Column Height (WCH) = (a - b): _____ (ft)					Low-Flow Purge Rate: _____ (Lpm)*			
Water Column Volume (WCV) = WCH x Unit Volume: _____ (gal)					Comments:			
Three Casing Volumes = WCV x 3: _____ (gal)								
Five Casing Volumes = WCV x 5: _____ (gal)								
Pump Depth (if pump used): _____ (ft)					*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.			

GROUNDWATER STABILIZATION PARAMETER RECORD

Time (24:00)	Cumulative Vol. gal or L	Temperature °C	pH	Conductivity µS or mS	DO mg/L	ORP mV	Turbidity NTU	NOTES Odor, color, sheen or other
1035	-	21.0	8.15	-	1.87	-19	-	Lt. HC odor

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
 Other: HS

SAMPLE COLLECTION RECORD		GEOCHEMICAL PARAMETERS		
Depth to Water at Sampling: _____ (ft)		Parameter	Time	Measurement
Sample Collected Via: <input type="checkbox"/> Disp. Bailer <input type="checkbox"/> Dedicated Pump Tubing		DO (mg/L)		
<input type="checkbox"/> Disp. Pump Tubing Other: <u>HS</u>		Ferrous Iron (mg/L)		
Sample ID: <u>MW-9</u>	Sample Collection Time: <u>1030</u> (24:00)	Redox Potential (mV)		
Containers (#): <u>3</u> VOA (<input checked="" type="checkbox"/> preserved or <input type="checkbox"/> unpreserved) _____ Liter Amber		Alkalinity (mg/L)		
Other: _____		Other:		
Other: _____		Other:		

Signature: Revision: 3/15/2013

ARCADIS

Attachment C

Certified Laboratory Analytical
Report and Chain of Custody
Documentation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

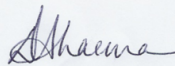
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-51389-1
Client Project/Site: BP #11132, Oakland

For:
ARCADIS U.S., Inc.
100 Montgomery Street
Suite 300
San Francisco, California 94104

Attn: Hollis Phillips



Authorized for release by:
8/15/2013 8:52:19 AM

Dimple Sharma, Project Manager I
dimple.sharma@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Job ID: 720-51389-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-51389-1

Comments

No additional comments.

Receipt

The samples were received on 8/1/2013 12:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9° C.

GC/MS VOA

No analytical or quality issues were noted.

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Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Client Sample ID: MW-2

Lab Sample ID: 720-51389-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
MTBE	220		100		ug/L	200		8260B/CA_LUFT MS	Total/NA
Benzene	9100		100		ug/L	200		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	2800		100		ug/L	200		8260B/CA_LUFT MS	Total/NA
Toluene	630		100		ug/L	200		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	9700		200		ug/L	200		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C6-C12	43000		10000		ug/L	200		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 720-51389-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
MTBE	27		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
TBA	250		10		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 720-51389-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	220		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
Toluene	20		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	190		10		ug/L	10		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C6-C12	5300		500		ug/L	10		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-9

Lab Sample ID: 720-51389-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.8		2.5		ug/L	5		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	36		2.5		ug/L	5		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	21		5.0		ug/L	5		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C6-C12	5500		250		ug/L	5		8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Client Sample ID: MW-2
Date Collected: 08/01/13 11:20
Date Received: 08/01/13 12:20

Lab Sample ID: 720-51389-1
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MTBE	220		100		ug/L			08/03/13 04:48	200
Benzene	9100		100		ug/L			08/03/13 04:48	200
EDB	ND		100		ug/L			08/03/13 04:48	200
1,2-DCA	ND		100		ug/L			08/03/13 04:48	200
Ethylbenzene	2800		100		ug/L			08/03/13 04:48	200
Toluene	630		100		ug/L			08/03/13 04:48	200
Xylenes, Total	9700		200		ug/L			08/03/13 04:48	200
Gasoline Range Organics (GRO)	43000		10000		ug/L			08/03/13 04:48	200
-C6-C12									
TBA	ND		2000		ug/L			08/03/13 04:48	200
Ethanol	ND		50000		ug/L			08/03/13 04:48	200
DIPE	ND		100		ug/L			08/03/13 04:48	200
TAME	ND		100		ug/L			08/03/13 04:48	200
Ethyl t-butyl ether	ND		100		ug/L			08/03/13 04:48	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130					08/03/13 04:48	200
1,2-Dichloroethane-d4 (Surr)	97		75 - 138					08/03/13 04:48	200
Toluene-d8 (Surr)	97		70 - 130					08/03/13 04:48	200

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Client Sample ID: MW-5
Date Collected: 08/01/13 09:55
Date Received: 08/01/13 12:20

Lab Sample ID: 720-51389-2
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MTBE	27		0.50		ug/L			08/05/13 20:36	1
Benzene	ND		0.50		ug/L			08/05/13 20:36	1
EDB	ND		0.50		ug/L			08/05/13 20:36	1
1,2-DCA	ND		0.50		ug/L			08/05/13 20:36	1
Ethylbenzene	ND		0.50		ug/L			08/05/13 20:36	1
Toluene	ND		0.50		ug/L			08/05/13 20:36	1
Xylenes, Total	ND		1.0		ug/L			08/05/13 20:36	1
Gasoline Range Organics (GRO) -C6-C12	ND		50		ug/L			08/05/13 20:36	1
TBA	250		10		ug/L			08/05/13 20:36	1
Ethanol	ND		250		ug/L			08/05/13 20:36	1
DIPE	ND		0.50		ug/L			08/05/13 20:36	1
TAME	ND		0.50		ug/L			08/05/13 20:36	1
Ethyl t-butyl ether	ND		0.50		ug/L			08/05/13 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		67 - 130					08/05/13 20:36	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 138					08/05/13 20:36	1
Toluene-d8 (Surr)	98		70 - 130					08/05/13 20:36	1

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Client Sample ID: MW-8
Date Collected: 08/01/13 10:55
Date Received: 08/01/13 12:20

Lab Sample ID: 720-51389-3
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MTBE	ND		5.0		ug/L			08/03/13 05:43	10
Benzene	140		5.0		ug/L			08/03/13 05:43	10
EDB	ND		5.0		ug/L			08/03/13 05:43	10
1,2-DCA	ND		5.0		ug/L			08/03/13 05:43	10
Ethylbenzene	220		5.0		ug/L			08/03/13 05:43	10
Toluene	20		5.0		ug/L			08/03/13 05:43	10
Xylenes, Total	190		10		ug/L			08/03/13 05:43	10
Gasoline Range Organics (GRO)	5300		500		ug/L			08/03/13 05:43	10
-C6-C12									
TBA	ND		100		ug/L			08/03/13 05:43	10
Ethanol	ND		2500		ug/L			08/03/13 05:43	10
DIPE	ND		5.0		ug/L			08/03/13 05:43	10
TAME	ND		5.0		ug/L			08/03/13 05:43	10
Ethyl t-butyl ether	ND		5.0		ug/L			08/03/13 05:43	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		67 - 130					08/03/13 05:43	10
1,2-Dichloroethane-d4 (Surr)	96		75 - 138					08/03/13 05:43	10
Toluene-d8 (Surr)	101		70 - 130					08/03/13 05:43	10

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Client Sample ID: MW-9
Date Collected: 08/01/13 10:30
Date Received: 08/01/13 12:20

Lab Sample ID: 720-51389-4
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MTBE	ND		2.5		ug/L			08/03/13 06:11	5
Benzene	4.8		2.5		ug/L			08/03/13 06:11	5
EDB	ND		2.5		ug/L			08/03/13 06:11	5
1,2-DCA	ND		2.5		ug/L			08/03/13 06:11	5
Ethylbenzene	36		2.5		ug/L			08/03/13 06:11	5
Toluene	ND		2.5		ug/L			08/03/13 06:11	5
Xylenes, Total	21		5.0		ug/L			08/03/13 06:11	5
Gasoline Range Organics (GRO)	5500		250		ug/L			08/03/13 06:11	5
-C6-C12									
TBA	ND		50		ug/L			08/03/13 06:11	5
Ethanol	ND		1300		ug/L			08/03/13 06:11	5
DIPE	ND		2.5		ug/L			08/03/13 06:11	5
TAME	ND		2.5		ug/L			08/03/13 06:11	5
Ethyl t-butyl ether	ND		2.5		ug/L			08/03/13 06:11	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		67 - 130					08/03/13 06:11	5
1,2-Dichloroethane-d4 (Surr)	98		75 - 138					08/03/13 06:11	5
Toluene-d8 (Surr)	103		70 - 130					08/03/13 06:11	5

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-141494/4

Matrix: Water

Analysis Batch: 141494

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MTBE	ND		0.50		ug/L			08/02/13 19:32	1
Benzene	ND		0.50		ug/L			08/02/13 19:32	1
EDB	ND		0.50		ug/L			08/02/13 19:32	1
1,2-DCA	ND		0.50		ug/L			08/02/13 19:32	1
Ethylbenzene	ND		0.50		ug/L			08/02/13 19:32	1
Toluene	ND		0.50		ug/L			08/02/13 19:32	1
Xylenes, Total	ND		1.0		ug/L			08/02/13 19:32	1
Gasoline Range Organics (GRO)	ND		50		ug/L			08/02/13 19:32	1
-C6-C12									
TBA	ND		10		ug/L			08/02/13 19:32	1
Ethanol	ND		250		ug/L			08/02/13 19:32	1
DIPE	ND		0.50		ug/L			08/02/13 19:32	1
TAME	ND		0.50		ug/L			08/02/13 19:32	1
Ethyl t-butyl ether	ND		0.50		ug/L			08/02/13 19:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		67 - 130		08/02/13 19:32	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 138		08/02/13 19:32	1
Toluene-d8 (Surr)	99		70 - 130		08/02/13 19:32	1

Lab Sample ID: LCS 720-141494/5

Matrix: Water

Analysis Batch: 141494

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
MTBE	25.0	24.7		ug/L		99	62 - 130
Benzene	25.0	22.7		ug/L		91	79 - 130
EDB	25.0	26.3		ug/L		105	70 - 130
1,2-DCA	25.0	23.8		ug/L		95	61 - 132
Ethylbenzene	25.0	23.3		ug/L		93	80 - 120
Toluene	25.0	23.1		ug/L		92	78 - 120
TBA	500	464		ug/L		93	70 - 130
Ethanol	500	506		ug/L		101	31 - 216
DIPE	25.0	24.6		ug/L		98	69 - 134
TAME	25.0	26.4		ug/L		105	79 - 130
Ethyl t-butyl ether	25.0	25.0		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	95		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		75 - 138
Toluene-d8 (Surr)	100		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-141494/7

Matrix: Water

Analysis Batch: 141494

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	500	493		ug/L		99	58 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		75 - 138
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 720-141494/6

Matrix: Water

Analysis Batch: 141494

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
MTBE	25.0	23.5		ug/L		94	62 - 130	5	20
Benzene	25.0	22.5		ug/L		90	79 - 130	1	20
EDB	25.0	24.9		ug/L		100	70 - 130	6	20
1,2-DCA	25.0	23.0		ug/L		92	61 - 132	3	20
Ethylbenzene	25.0	23.0		ug/L		92	80 - 120	1	20
Toluene	25.0	22.8		ug/L		91	78 - 120	1	20
TBA	500	463		ug/L		93	70 - 130	0	20
Ethanol	500	526		ug/L		105	31 - 216	4	30
DIPE	25.0	23.9		ug/L		96	69 - 134	3	20
TAME	25.0	25.2		ug/L		101	79 - 130	4	20
Ethyl t-butyl ether	25.0	24.2		ug/L		97	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	95		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		75 - 138
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 720-141494/8

Matrix: Water

Analysis Batch: 141494

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	500	502		ug/L		100	58 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		75 - 138
Toluene-d8 (Surr)	100		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-141534/5

Matrix: Water

Analysis Batch: 141534

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MTBE	ND		0.50		ug/L			08/05/13 15:57	1
Benzene	ND		0.50		ug/L			08/05/13 15:57	1
EDB	ND		0.50		ug/L			08/05/13 15:57	1
1,2-DCA	ND		0.50		ug/L			08/05/13 15:57	1
Ethylbenzene	ND		0.50		ug/L			08/05/13 15:57	1
Toluene	ND		0.50		ug/L			08/05/13 15:57	1
Xylenes, Total	ND		1.0		ug/L			08/05/13 15:57	1
Gasoline Range Organics (GRO)	ND		50		ug/L			08/05/13 15:57	1
-C6-C12									
TBA	ND		10		ug/L			08/05/13 15:57	1
Ethanol	ND		250		ug/L			08/05/13 15:57	1
DIPE	ND		0.50		ug/L			08/05/13 15:57	1
TAME	ND		0.50		ug/L			08/05/13 15:57	1
Ethyl t-butyl ether	ND		0.50		ug/L			08/05/13 15:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		67 - 130		08/05/13 15:57	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 138		08/05/13 15:57	1
Toluene-d8 (Surr)	100		70 - 130		08/05/13 15:57	1

Lab Sample ID: LCS 720-141534/6

Matrix: Water

Analysis Batch: 141534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
MTBE	25.0	24.3		ug/L		97	62 - 130
Benzene	25.0	23.3		ug/L		93	79 - 130
EDB	25.0	25.4		ug/L		102	70 - 130
1,2-DCA	25.0	23.6		ug/L		94	61 - 132
Ethylbenzene	25.0	23.4		ug/L		94	80 - 120
Toluene	25.0	23.3		ug/L		93	78 - 120
TBA	500	463		ug/L		93	70 - 130
Ethanol	500	499		ug/L		100	31 - 216
DIPE	25.0	24.9		ug/L		100	69 - 134
TAME	25.0	26.1		ug/L		105	79 - 130
Ethyl t-butyl ether	25.0	25.3		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	95		67 - 130
1,2-Dichloroethane-d4 (Surr)	93		75 - 138
Toluene-d8 (Surr)	100		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-141534/8

Matrix: Water

Analysis Batch: 141534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C12	500	518		ug/L		104	58 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		75 - 138
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 720-141534/7

Matrix: Water

Analysis Batch: 141534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
MTBE	25.0	25.0		ug/L		100	62 - 130	3	20
Benzene	25.0	23.9		ug/L		96	79 - 130	2	20
EDB	25.0	25.7		ug/L		103	70 - 130	1	20
1,2-DCA	25.0	24.2		ug/L		97	61 - 132	3	20
Ethylbenzene	25.0	23.5		ug/L		94	80 - 120	1	20
Toluene	25.0	23.6		ug/L		94	78 - 120	1	20
TBA	500	466		ug/L		93	70 - 130	1	20
Ethanol	500	531		ug/L		106	31 - 216	6	30
DIPE	25.0	25.3		ug/L		101	69 - 134	2	20
TAME	25.0	27.0		ug/L		108	79 - 130	3	20
Ethyl t-butyl ether	25.0	26.0		ug/L		104	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		75 - 138
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 720-141534/9

Matrix: Water

Analysis Batch: 141534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C12	500	490		ug/L		98	58 - 120	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		75 - 138
Toluene-d8 (Surr)	101		70 - 130

TestAmerica Pleasanton

QC Association Summary

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

GC/MS VOA

Analysis Batch: 141494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51389-1	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-51389-3	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
720-51389-4	MW-9	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-141494/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-141494/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-141494/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-141494/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-141494/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 141534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51389-2	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-141534/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-141534/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-141534/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-141534/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-141534/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Client Sample ID: MW-2

Date Collected: 08/01/13 11:20

Date Received: 08/01/13 12:20

Lab Sample ID: 720-51389-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		200	141494	08/03/13 04:48	ASC	TAL PLS

Client Sample ID: MW-5

Date Collected: 08/01/13 09:55

Date Received: 08/01/13 12:20

Lab Sample ID: 720-51389-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	141534	08/05/13 20:36	ASC	TAL PLS

Client Sample ID: MW-8

Date Collected: 08/01/13 10:55

Date Received: 08/01/13 12:20

Lab Sample ID: 720-51389-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	141494	08/03/13 05:43	ASC	TAL PLS

Client Sample ID: MW-9

Date Collected: 08/01/13 10:30

Date Received: 08/01/13 12:20

Lab Sample ID: 720-51389-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		5	141494	08/03/13 06:11	ASC	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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- 11
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- 13
- 14

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS

Protocol References:

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

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11132, Oakland

TestAmerica Job ID: 720-51389-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-51389-1	MW-2	Water	08/01/13 11:20	08/01/13 12:20
720-51389-2	MW-5	Water	08/01/13 09:55	08/01/13 12:20
720-51389-3	MW-8	Water	08/01/13 10:55	08/01/13 12:20
720-51389-4	MW-9	Water	08/01/13 10:30	08/01/13 12:20

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- 4
- 5
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- 7
- 8
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- 10
- 11
- 12
- 13
- 14

San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

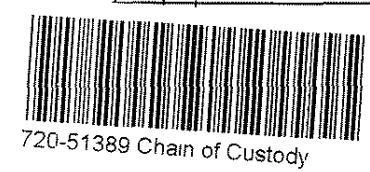
720-51389

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
147637
TestAmerica Laboratories, Inc.

8/15/2013

Client Contact		Project Manager: Kristene Tidwell			Site Contact: Alex Martinez			Date:			COC No:	
Broadbent & Associates, Inc.		Tel/Fax: 707-455-7290 / 707-455-7295			Lab Contact: Dimple Sharma			Carrier:			_____ of _____ COCs	
875 Cotting Lane, Suite G		Analysis Turnaround Time			Filtered Sample GRO by 8260 BTEX/S FO + EDB by 8260 1,2-DCA & Ethanol by 8260						Job No.	
Vacaville, CA 95688		Calendar (C) or Work Days (W) _____									SDG No.	
Phone: 707-455-7290		TAT if different from Below _____									Sample Specific Notes:	
Fax: 707-455-7295		<input checked="" type="checkbox"/> 2 weeks										
Project Name: Arcadis 11132		<input type="checkbox"/> 1 week										
3201 35th Avenue, Oakland, CA		<input type="checkbox"/> 2 days										
P O # GP09BPNA.C112		<input type="checkbox"/> 1 day										
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample						
MW-1	-	-	GRAB	AQ	3	X X X						
1. MW-2	8/1/13	1120	GRAB	AQ	3	X X X						
2. MW-5		0955	GRAB	AQ	3	X X X						
3. MW-8		1055	GRAB	AQ	3	X X X						
4. MW-9		1030	GRAB	AQ	3	X X X						
MW-10	-	-	GRAB	AQ	3	X X X						
RWT	-	-	GRAB	AQ	3	X X X						
5. TB-11132-08012013	-	-	-	AQ	1							On Hold
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Special Instructions:												
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		
Alex Martinez <i>Alex Martinez</i>		Broadbent & Associates		8/1/13/2013		Alex Martinez		TestAmerica		8-1-13/2013		
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:		



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5.9°C

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 720-51389-1

Login Number: 51389

List Number: 1

Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received 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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ARCADIS

Attachment D

Historical Tables Provided by
Broadbent

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-1														
7/9/1990	--	169.75	--	0.22	--	--	--	--	--	--	--	--	--	
12/21/1990	--		--	0.58	--	--	--	--	--	--	--	--	--	
3/7/1991	--		20.59	0.00	149.16	--	--	--	--	--	--	--	--	
4/1/1991	--		16.51	0.15	153.09	--	--	--	--	--	--	--	--	
6/27/1991	--		--	0.18	--	--	--	--	--	--	--	--	--	
9/27/1991	--		--	0.27	--	--	--	--	--	--	--	--	--	
12/18/1991	--		--	0.28	--	--	--	--	--	--	--	--	--	
7/3/1992	--		22.30	0.27	147.18	--	--	--	--	--	--	--	--	
10/5/1992	--		23.98	0.24	145.53	--	--	--	--	--	--	--	--	
1/13/1993	--		17.03	0.24	152.48	--	--	--	--	--	--	--	--	
4/23/1993	--		18.10	0.42	151.23	--	--	--	--	--	--	--	--	
7/12/1993	--		22.02	0.49	147.24	--	--	--	--	--	--	--	--	
10/21/1993	--		25.12	1.09	143.54	--	--	--	--	--	--	--	--	
1/21/1994	--		23.02	0.76	145.97	--	--	--	--	--	--	--	--	
4/20/1994	--		24.54	1.80	143.41	--	--	--	--	--	--	--	--	
8/1/1994	--		24.11	0.35	145.29	--	--	--	--	--	--	--	--	
12/23/1994	--		18.19	0.00	151.56	--	--	--	--	--	--	--	--	
1/26/1995	--		16.25	1.10	152.40	--	--	--	--	--	--	--	--	
2/16/1995	--		--	1.40	--	--	--	--	--	--	--	--	--	
6/8/1995	--		22.92	1.25	145.63	--	--	--	--	--	--	--	--	
6/8/1995	--		22.92	1.25	145.63	--	--	--	--	--	--	--	--	
8/22/1995	--		24.45	0.85	144.45	--	--	--	--	--	--	--	--	
10/27/1995	--		25.41	0.00	143.65	--	--	--	--	--	--	--	--	
10/30/95-12/23/95	--		--	--	--	--	--	--	--	--	--	--	--	
12/23/1995	--		--	0.69	--	--	--	--	--	--	--	--	--	
1/25/1996	--		18.20	1.40	150.15	--	--	--	--	--	--	--	--	
1/25/1996	--		18.20	1.40	150.15	--	--	--	--	--	--	--	--	
4/19/1996	--		19.06	1.22	149.47	--	--	--	--	--	--	--	--	
7/23/1996	--		22.98	0.89	145.88	--	--	--	--	--	--	--	--	
11/11/1996	--		23.99	0.89	144.78	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-1 Cont.														
1/21/1997	--	169.75	16.80	0.90	152.05	--	--	--	--	--	--	--	--	
4/29/1997	--		21.90	0.85	147.00	--	--	--	--	--	--	--	--	
4/30/1997	--		--	--	--	92,000	3,500	8,100	4,400	23,800	6,900	--	--	c
4/30/1997	--		--	--	--	100,000	3,600	8,000	4,000	21,300	7,700	5.2	--	
8/21/1997	--		23.40	0.00	146.35	120,000	3,200	8,100	3,800	19,600	5,200	--	--	c
8/21/1997	--		23.40	0.00	146.35	140,000	3,000	8,500	3,900	22,100	5,700	5.3	--	
11/2/97-12/9/97	--		--	0.87	--	--	--	--	--	--	--	--	--	
11/5/1997	--		23.70	0.00	145.51	68,000	6,200	4,400	3,300	14,300	8,000	4.7	--	
11/5/1997	--		23.70	0.00	145.51	88,000	7,300	4,800	3,600	16,900	8,200	--	--	c
2/3/1998	--		13.63	0.32	155.80	--	--	--	--	--	--	--	--	
2/4/1998	--		--	--	--	190,000	2,200	10,000	5,600	32,000	<10000	5.3	--	
2/4/1998	--		--	--	--	160,000	2,300	8,400	5,000	29,400	<10000	--	--	c
5/28/1998	--		18.03	0.17	151.55	87,000	980	3,900	3,600	19,000	2,900	3.8	--	
12/30/1998	--		19.50	0.08	150.17	70,000	530	3,200	2,900	16,000	3,600	--	--	
2/2/1999	--		18.93	0.03	150.79	79,000	480	3,100	3,500	21,000	3,500	--	--	
5/10/1999	--		18.28	0.03	151.44	110,000	160	1,900	3,700	24,000	3,000	--	--	
8/24/1999	--		20.13	0.06	149.56	110,000	850	1,300	1,900	19,000	<50	--	--	
11/3/1999	--		22.27	0.36	147.12	65,000	6,300	1,100	3,300	9,500	8,900	--	--	
3/1/2000	--		14.79	0.23	154.73	--	--	--	--	--	--	--	--	h
4/21/2000	--		18.10	0.33	151.32	61,000	330	780	2,700	17,000	1,300	--	--	
7/31/2000	--		21.60	0.53	147.62	1,500,000	340	2,100	24,000	120,000	2,700	--	--	
11/20/2000	--		21.69	0.37	147.69	1,700,000	1,800	2,300	19,000	93,000	3,900	--	--	
2/18/2001	--		16.70	0.13	152.92	--	--	--	--	--	--	--	--	
2/26/2001	--		14.38	0.15	155.22	100,000	658	466	4,210	15,000	1,890	--	--	
6/7/2001	--		20.78	0.00	148.97	70,000	705	440	3,870	12,200	2,720	--	--	
9/5/2001	--		23.36	0.35	146.04	--	--	--	--	--	--	--	--	j
11/30/2001	--		20.85	0.41	148.49	--	--	--	--	--	--	--	--	k
12/6/2001	--		18.72	0.27	150.76	39,000	3,500	237	2,150	4,500	5,400	--	--	
2/20/2002	--		17.43	0.15	152.17	52,000	465	271	1,600	11,400	106	--	--	
6/20/2002	--		21.18	0.34	148.23	--	--	--	--	--	--	--	--	j

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Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-1 Cont.														
9/11/2002	--	169.75	22.86	0.40	146.49	--	--	--	--	--	--	--	--	j
11/12/2002	--		22.65	0.37	146.73	--	--	--	--	--	--	--	--	j
1/29/2003	--		18.15	0.30	151.30	--	--	--	--	--	--	--	--	j,n
5/22/2003	--		18.49	0.20	151.06	--	--	--	--	--	--	--	--	j
6/24/2003	--		21.44	0.35	147.96	--	--	--	--	--	--	--	--	o
7/28/2003	--		22.72	0.35	146.68	--	--	--	--	--	--	--	--	j
8/12/2003	--		22.64	0.23	146.88	--	--	--	--	--	--	--	--	o
9/12/2003	--		20.70	0.24	148.81	--	--	--	--	--	--	--	--	o
10/3/2003	--		--	0.23	--	--	--	--	--	--	--	--	--	
11/18/2003	NP		21.70	0.25	148.25	--	--	--	--	--	--	--	--	
12/31/2003	--		--	0.15	--	--	--	--	--	--	--	--	--	
2/2/2004	--		--	0.15	--	--	--	--	--	--	--	--	--	
02/23/2004	NP		16.34	0.09	153.48	--	--	--	--	--	--	--	--	
3/18/2004	--		--	0.09	--	--	--	--	--	--	--	--	--	
4/13/2004	--		--	0.24	--	--	--	--	--	--	--	--	--	
05/04/2004	NP		21.28	0.16	148.60	--	--	--	--	--	--	--	--	
6/2/2004	--		--	0.08	--	--	--	--	--	--	--	--	--	
7/2/2004	--		--	0.28	--	--	--	--	--	--	--	--	--	
08/04/2004	--		22.54	0.10	147.29	--	--	--	--	--	--	--	--	
09/22/2004	NP		22.76	0.20	147.15	--	--	--	--	--	--	--	--	
10/26/2004	--		--	0.12	--	--	--	--	--	--	--	--	--	
11/10/2004	--		20.19	0.14	149.67	--	--	--	--	--	--	--	--	
12/27/2004	--		--	0.08	--	--	--	--	--	--	--	--	--	
01/13/2005	--		14.58	0.03	155.19	--	--	--	--	--	--	--	--	
02/15/2005	--		16.13	0.04	153.65	--	--	--	--	--	--	--	--	
03/07/2005	--		13.31	0.01	156.45	--	--	--	--	--	--	--	--	
4/29/2005	--		--	0.01	--	--	--	--	--	--	--	--	--	
05/16/2005	--		15.74	0.02	154.03	--	--	--	--	--	--	--	--	j
6/21/2005	--		--	0.01	--	--	--	--	--	--	--	--	--	
7/7/2005	--		--	0.18	--	--	--	--	--	--	--	--	--	

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Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-1 Cont.														
08/17/2005	--	169.75	21.15	0.08	148.66	--	--	--	--	--	--	--	--	j
9/6/2005	--		--	0.02	--	--	--	--	--	--	--	--	--	
10/4/2005	--		--	0.12	--	--	--	--	--	--	--	--	--	
11/18/2005	--		20.15	0.00	149.60	--	--	--	--	--	--	--	--	j
12/30/2005	--		--	0.03	--	--	--	--	--	--	--	--	--	
1/24/2006	--		--	--	--	--	--	--	--	--	--	--	--	
02/07/2006	--		15.19	0.01	154.57	--	--	--	--	--	--	--	--	j
3/30/2006	--		--	--	--	--	--	--	--	--	--	--	--	
5/19/2006	P		17.42	0.00	152.33	44,000	73	510	3,300	5,300	86	--	6.9	u, t
8/23/2006	--		22.01	0.14	147.74	--	--	--	--	--	--	--	--	b, j
11/15/2006	--		21.98	0.18	147.91	--	--	--	--	--	--	--	--	b, j
2/14/2007	--		17.12	0.17	152.76	--	--	--	--	--	--	--	--	b, j
5/22/2007	--		19.49	0.01	150.26	--	--	--	--	--	--	--	--	b, j
8/15/2007	--		22.24	0.01	147.52	--	--	--	--	--	--	--	--	b, j
11/8/2007	--		21.84	0.01	147.92	--	--	--	--	--	--	--	--	b, j
2/20/2008	--		16.52	0.02	153.25	--	--	--	--	--	--	--	--	b, j
5/7/2008	--		20.91	0.02	148.86	--	--	--	--	--	--	--	--	b, j
8/20/2008	--		22.77	0.02	147.00	--	--	--	--	--	--	--	--	b
11/17/2008	P		22.05	0.00	147.70	27,000	780	30	1,800	1,400	590	--	6.60	w
2/25/2009	--		15.28	0.02	154.49	--	--	--	--	--	--	--	--	b
4/8/2009	--		18.18	0.00	151.57	--	--	--	--	--	--	--	--	
5/28/2009	--		19.62	0.01	150.14	--	--	--	--	--	--	--	--	b
6/16/2009	--		20.94	0.01	148.82	--	--	--	--	--	--	--	--	
8/6/2009	--		22.31	0.01	147.45	--	--	--	--	--	--	--	--	b, j
3/4/2010	P		14.27	Sheen	155.48	14,000	45	<10	610	390	<10	0.54	6.96	
9/2/2010	NP		22.32	0.00	147.43	8,200	10	<5.0	230	140	<5.0	0.52	7.01	
3/15/2011	P		14.99	Sheen	154.76	4,500	<5.0	<5.0	56	30	16	0.85	7.0	t
8/17/2011	P		20.41	0.00	149.34	1,200	<1.0	<1.0	24	15	8.3	0.71	7.39	
2/6/2012	P		18.69	0.00	151.06	710	<1.0	<1.0	2.9	2.2	10	0.78	7.34	
MW-2														

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Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-2 Cont.														
7/9/1990	--	168.14	--	--	--	--	--	--	--	--	--	--	--	
12/21/1990	--		--	--	--	--	--	--	--	--	--	--	--	
3/7/1991	--		19.18	0.00	148.96	--	--	--	--	--	--	--	--	
4/1/1991	--		15.21	0.00	152.93	--	--	--	--	--	--	--	--	
6/27/1991	--		--	--	--	--	--	--	--	--	--	--	--	
9/27/1991	--		--	--	--	--	--	--	--	--	--	--	--	
12/18/1991	--		--	--	--	--	--	--	--	--	--	--	--	
7/3/1992	--		20.93	0.00	147.21	--	--	--	--	--	--	--	--	
10/5/1992	--		22.74	0.00	145.40	--	--	--	--	--	--	--	--	
1/13/1993	--		15.55	0.00	152.59	--	--	--	--	--	--	--	--	
4/23/1993	--		16.54	0.00	151.60	--	--	--	--	--	--	--	--	
7/12/1993	--		20.46	0.00	147.68	--	--	--	--	--	--	--	--	
10/21/1993	--		24.91	0.00	143.23	--	--	--	--	--	--	--	--	
1/21/1994	--		21.20	0.00	146.94	--	--	--	--	--	--	--	--	
4/20/1994	--		22.44	0.00	145.70	1,800	140	370	54	290	24	1.7	--	i
8/1/1994	--		22.24	0.00	145.90	--	--	--	--	--	--	--	--	
12/23/1994	--		16.25	0.00	151.89	--	--	--	--	--	--	--	--	
1/26/1995	--		14.55	0.00	153.59	--	--	--	--	--	--	--	--	
6/8/1995	--		21.18	0.00	146.96	--	--	--	--	--	--	--	--	
8/22/1995	--		22.76	0.00	145.38	--	--	--	--	--	--	--	--	
10/27/1995	--		23.61	0.00	144.53	--	--	--	--	--	--	--	--	
1/25/1996	--		15.95	0.00	152.19	--	--	--	--	--	--	--	--	
4/19/1996	--		17.33	0.00	150.81	--	--	--	--	--	--	--	--	
7/23/1996	--		21.25	0.00	146.89	--	--	--	--	--	--	--	--	
11/11/1996	--		22.27	0.00	145.87	--	--	--	--	--	--	--	--	
1/21/1997	--		15.19	0.00	152.95	--	--	--	--	--	--	--	--	
4/29/1997	--		20.22	0.00	147.92	--	--	--	--	--	--	--	--	
4/30/1997	--		--	--	--	130,000	4,600	15,000	6,000	37,000	<5000	5	--	
8/21/1997	--		21.74	0.00	146.40	110,000	6,000	16,000	4,700	28,000	<500	4.6	--	
11/5/1997	--		21.61	0.00	146.53	120,000	7,800	18,000	4,900	28,100	<2500	4.6	--	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-2 Cont.														
2/3/1998	--	168.14	11.51	0.00	156.63	75,000	590	1,500	1,800	12,800	<2500	4.5	--	
5/28/1998	--		16.51	0.00	151.63	79,000	3,900	3,100	3,100	18,000	900	4.3	--	
12/30/1998	--		17.70	0.00	150.44	95,000	4,700	3,500	3,700	21,000	<250	--	--	
2/2/1999	--		15.46	0.00	152.68	170,000	3,500	1,500	5,200	34,000	<500	--	--	
5/10/1999	--		16.52	0.00	151.62	84,000	3,200	3,200	3,700	20,000	75	--	--	
8/24/1999	--		20.73	0.00	147.41	130,000	9,100	9,200	4,700	27,000	<250	--	--	
11/3/1999	--		20.93	0.00	147.21	120,000	10,000	21,000	4,700	30,200	2,200	--	--	
3/1/2000	--		13.37	0.00	154.77	39,000	1,400	1,500	1,700	8,100	44	--	--	
4/21/2000	--		16.59	0.00	151.55	68,000	3,300	2,500	3,100	20,000	260	--	--	
7/31/2000	--		16.37	0.00	151.77	99,000	5,600	1,400	4,300	22,000	490	--	--	
11/20/2000	--		19.71	0.00	148.43	37,000	5,100	1,500	1,300	4,800	2,800	--	--	
2/18/2001	--		15.29	0.00	152.85	54,000	5,020	3,880	2,850	15,400	1,010	--	--	
6/7/2001	--		19.43	0.00	148.71	110,000	7,240	4,380	4,160	22,100	567	--	--	
9/5/2001	--		22.44	0.00	145.70	69,000	5,750	5,790	2,770	14,200	1,510	--	--	
11/30/2001	--		19.58	0.00	148.56	120,000	7,270	6,540	4,590	23,000	794	--	--	
2/20/2002	--		16.39	0.00	151.75	56,000	2,410	2,270	2,910	14,300	160	--	--	
6/20/2002	--		19.77	0.00	148.37	86,000	7,310	6,490	3,080	14,600	659	--	--	
9/11/2002	--		21.60	0.00	146.54	130,000	7,600	13,000	5,400	30,000	<5000	--	--	
11/12/2002	--		21.34	0.00	146.80	46,000	4,100	4,300	1,900	10,000	1,900	--	--	t
1/29/2003	--		16.80	0.00	151.34	77,000	4,700	2,600	2,800	13,000	820	--	--	n,t
5/22/2003	--		17.15	0.00	150.99	52,000	6,400	2,600	1,800	7,400	1,000	--	--	t
7/28/2003	--		21.47	0.00	146.67	31,000	6,900	5,500	2,200	12,000	1,700	--	--	p
11/18/2003	P		20.50	0.00	147.64	23,000	3,300	800	500	2,000	500	--	6.6	
02/23/2004	P		14.77	0.00	153.37	84,000	14,000	6,200	3,100	14,000	790	--	6.6	t
05/04/2004	P		20.09	0.00	148.05	120,000	15,000	17,000	4,900	24,000	780	--	6.6	t
08/04/2004	P		21.39	0.00	146.75	38,000	9,100	3,300	1,900	5,800	430	--	6.69	t
11/10/2004	P		18.98	0.00	149.16	22,000	4,400	2,000	940	3,600	310	--	7.5	
02/15/2005	P		15.62	0.00	152.52	67,000	11,000	4,200	3,000	11,000	690	--	7.1	t
05/16/2005	P		14.71	0.00	153.43	94,000	11,000	7,600	4,100	17,000	560	--	6.5	
08/17/2005	P		20.00	0.00	148.14	110,000	13,000	8,000	4,300	18,000	480	--	6.6	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-2 Cont.														
11/18/2005	P	168.14	20.89	0.00	147.25	37,000	11,000	2,400	1,500	4,600	340	--	6.6	
02/07/2006	P		13.31	0.00	154.83	74,000	8,900	5,800	3,600	14,000	440	--	6.7	
5/19/2006	P		16.30	0.00	151.84	78,000	11,000	3,700	4,500	14,000	430	--	6.6	t
8/23/2006	P		20.83	0.00	147.31	100,000	12,000	9,100	5,800	25,000	480	--	6.6	
11/15/2006	--		20.80	0.00	147.34	46,000	8,800	3,600	2,300	8,500	400	0.70	6.73	
2/14/2007	P		15.96	Sheen	152.18	100,000	13,000	3,600	6,200	26,000	810	1.43	6.97	t
5/22/2007	P		18.20	0.00	149.94	91,000	15,000	8,700	4,700	20,000	1,000	0.08	6.90	
8/15/2007	P		21.23	Sheen	146.91	14,000	7,300	130	280	600	260	4.24	6.78	
11/8/2007	P		20.32	0.00	147.82	22,000	7,400	420	640	1,700	240	1.21	7.03	
2/20/2008	--		15.20	0.06	152.99	--	--	--	--	--	--	--	--	b, j
5/7/2008	--		19.80	0.04	148.37	--	--	--	--	--	--	--	--	b, j
8/20/2008	--		21.70	0.01	146.45	--	--	--	--	--	--	--	--	b
11/17/2008	P		20.73	0.00	147.41	45,000	8,400	700	1,500	5,600	320	--	6.46	t, w
2/25/2009	P		14.15	0.00	153.99	18,000	5,200	<250	380	1,400	<250	2.11	6.50	
4/8/2009	--		17.00	0.00	151.14	--	--	--	--	--	--	--	--	
5/28/2009	P		18.43	Sheen	149.71	37,000	5,300	1,600	1,400	5,600	510	0.16	6.59	t, x
6/16/2009	--		19.80	0.01	148.35	--	--	--	--	--	--	--	--	
8/6/2009	--		21.17	0.01	146.98	--	--	--	--	--	--	--	--	b, j
3/4/2010	P		13.03	Sheen	155.11	18,000	9,500	270	510	1,400	350	1.28	6.80	
9/2/2010	NP		20.62	0.00	147.52	58,000	11,000	3,600	3,900	16,000	470	0.70	6.90	y
3/15/2011	P		13.70	Sheen	154.44	63,000	12,000	2,900	4,100	15,000	500	0.69	6.8	
8/17/2011	P		19.31	0.00	148.83	23,000	4,900	620	1,500	4,400	150	0.50	7.07	
2/6/2012	P		17.49	0.00	150.65	26,000	6,400	200	1,700	3,400	360	0.91	7.08	
MW-3														
7/9/1990	--	167.17	--	--	--	140	5.3	4.6	2	3.8	--	--	--	
12/21/1990	--		--	--	--	0.19	100	6	0.9	27	--	--	--	
3/7/1991	--		17.40	0.00	149.77	0.4	69	22	6.1	57	--	--	--	
4/1/1991	--		13.69	0.00	153.48	--	--	--	--	--	--	--	--	
6/27/1991	--		--	--	--	380	28	26	13	46	--	--	--	
9/27/1991	--		--	--	--	0.07	7.9	--	0.4	1.1	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-3 Cont.														
12/18/1991	--	167.17	--	--	--	0.26	34	24	0.8	28	--	--	--	
7/3/1992	--		19.59	0.00	147.58	71	9.4	0.9	5	13	--	--	--	
10/5/1992	--		21.22	0.00	145.95	<50	2.2	<0.5	1.5	2.8	--	--	--	c
10/5/1992	--		21.22	0.00	145.95	67	5.1	1.1	6.1	8.1	--	--	--	
1/13/1993	--		13.63	0.00	153.54	830	50	34	42	89	--	--	--	i
4/23/1993	--		15.02	0.00	152.15	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	c,i
4/23/1993	--		15.02	0.00	152.15	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
7/12/1993	--		19.16	0.00	148.01	250	12	4.2	12	16	<5.0	--	--	i
10/21/1993	--		21.81	0.00	145.36	65	7.4	1	6.9	4.2	--	--	--	c
10/21/1993	--		21.81	0.00	145.36	52	4.4	1.4	4.7	3.3	<5.0	--	--	i
1/21/1994	--		19.94	0.00	147.23	57	3	3.4	3.6	9	<5.0	--	--	i
4/20/1994	--		20.24	0.00	146.93	600	26	23	33	88	28.7	1.8	--	i
8/1/1994	--		20.74	0.00	146.43	120	7.7	1.6	5.9	6.7	5.43	--	--	c,i
8/1/1994	--		20.74	0.00	146.43	99	6.2	1.1	4.5	5.2	<5.0	1.4	--	i
12/23/1994	--		14.70	0.00	152.47	<50	<0.5	0.78	<0.5	<0.5	9.8	1.7	--	i
12/23/1994	--		14.70	0.00	152.47	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	c
1/26/1995	--		12.89	0.00	154.28	190	16	0.5	35	24	--	6.6	--	d
6/8/1995	--		19.95	0.00	147.22	330	21	4	34	32	--	7	--	
8/22/1995	--		21.41	0.00	145.76	150	14	<0.50	<0.50	1.6	<5.0	6.6	--	d
10/27/1995	--		22.43	0.00	144.74	--	--	--	--	--	--	--	--	
10/30/1995	--		--	--	--	51	2.4	<0.50	<0.50	<1.0	<5.0	6.9	--	
1/25/1996	--		14.03	0.00	153.14	<50	<0.50	<0.50	<0.50	<1.0	5.1	--	--	
4/19/1996	--		15.26	0.00	151.91	460	55	4	33	63	<10	9.4	--	
7/23/1996	--		19.19	0.00	147.98	<50	<0.5	<0.5	<0.5	<0.5	<10	9.2	--	
11/11/1996	--		20.24	0.00	146.93	<250	<2.5	<5.0	<5.0	<5.0	<50	8.4	--	
1/21/1997	--		13.09	0.00	154.08	<50	<0.5	<1.0	<1.0	<1.0	<10	5.4	--	
4/29/1997	--		18.14	0.00	149.03	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	--	
8/21/1997	--		19.64	0.00	147.53	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	--	
11/5/1997	--		19.95	0.00	147.22	<250	<2.5	<5.0	<5.0	<5.0	<50	4.5	--	
2/3/1998	--		10.57	0.00	156.60	<50	<0.50	<1.0	<1.0	<1.0	<10	4.7	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-3 Cont.														
5/28/1998	--	167.17	14.65	0.00	152.52	330	<2.5	<5.0	<5.0	<5.0	<50	4.2	--	
12/30/1998	--		16.63	0.00	150.54	--	--	--	--	--	--	--	--	
2/2/1999	--		13.12	0.00	154.05	<250	<5.0	<5.0	<5.0	<5.0	<5.0	--	--	
5/10/1999	--		14.21	0.00	152.96	--	--	--	--	--	--	--	--	
8/24/1999	--		14.36	0.00	152.81	--	--	--	--	--	--	--	--	
11/3/1999	--		19.21	0.00	147.96	--	--	--	--	--	--	--	--	
3/1/2000	--		15.17	0.00	152.00	<50	<0.5	0.57	<0.5	0.62	<0.5	--	--	
4/21/2000	--		14.88	0.00	152.29	--	--	--	--	--	--	--	--	
7/31/2000	--		15.29	0.00	151.88	--	--	--	--	--	--	--	--	
11/20/2000	--		17.31	0.00	149.86	--	--	--	--	--	--	--	--	
2/18/2001	--		12.85	0.00	154.32	160	1.95	1.31	10.2	9.09	1	--	--	
6/7/2001	--		18.00	0.00	149.17	--	--	--	--	--	--	--	--	
9/5/2001	--		20.32	0.00	146.85	--	--	--	--	--	--	--	--	
11/30/2001	--		16.94	0.00	150.23	--	--	--	--	--	--	--	--	
2/20/2002	--		14.84	0.00	152.33	86	<0.5	0.845	6.58	5.75	<0.5	--	--	
6/20/2002	--		18.40	0.00	148.77	--	--	--	--	--	--	--	--	
9/11/2002	--		20.06	0.00	147.11	--	--	--	--	--	--	--	--	
11/12/2002	--		19.84	0.00	147.33	--	--	--	--	--	--	--	--	
1/27/2003	--		14.83	0.00	152.34	850	20	9.7	24	45	0.76	--	--	n
5/22/2003	--		15.60	0.00	151.57	--	--	--	--	--	--	--	--	
7/28/2003	--		20.12	0.00	147.05	--	--	--	--	--	--	--	--	p
11/18/2003	--		19.15	0.00	148.02	--	--	--	--	--	--	--	--	
02/23/2004	--		13.53	0.00	153.64	160	<0.50	1.1	9.6	12	<0.50	--	6.7	
05/04/2004	--		18.61	0.00	148.56	--	--	--	--	--	--	--	--	
08/04/2004	--		19.21	0.00	147.96	--	--	--	--	--	--	--	--	
11/10/2004	--		17.48	0.00	149.69	--	--	--	--	--	--	--	--	
02/15/2005	P		14.31	0.00	152.86	500	7.8	1.8	9.2	9.6	1.7	--	7.5	
05/16/2005	--		13.11	0.00	154.06	--	--	--	--	--	--	--	--	
08/17/2005	--		18.53	0.00	148.64	--	--	--	--	--	--	--	--	
11/18/2005	--		19.34	0.00	147.83	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-3 Cont.														
02/07/2006	P	167.17	11.64	0.00	155.53	65	<0.50	<0.50	1.4	2.3	<0.50	--	7.1	
5/19/2006	--		14.88	0.00	152.29	--	--	--	--	--	--	--	--	
8/23/2006	--		19.43	0.00	147.74	--	--	--	--	--	--	--	--	
11/15/2006	--		19.22	0.00	147.95	--	--	--	--	--	--	--	--	
2/14/2007	P		13.80	0.00	153.37	200	1.1	<0.50	5.9	3.2	3.8	0.68	7.52	
5/22/2007	--		16.80	0.00	150.37	--	--	--	--	--	--	--	--	
8/15/2007	--		19.87	0.00	147.30	--	--	--	--	--	--	--	--	
11/8/2007	--		19.27	0.00	147.90	--	--	--	--	--	--	--	--	
2/20/2008	P		13.58	0.00	153.59	240	1.1	<0.50	0.99	0.79	2.3	2.58	7.06	
5/7/2008	--		18.32	0.00	148.85	--	--	--	--	--	--	--	--	
8/20/2008	--		20.29	0.00	146.88	--	--	--	--	--	--	--	--	
11/17/2008	--		19.35	0.00	147.82	--	--	--	--	--	--	--	--	
2/25/2009	P		11.77	0.00	155.40	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.45	7.09	
5/28/2009	--		17.02	0.00	150.15	--	--	--	--	--	--	--	--	
8/6/2009	--		19.87	0.00	147.30	--	--	--	--	--	--	--	--	
3/4/2010	P		10.79	0.00	156.38	<50	<0.50	<0.50	<0.50	<1.0	<0.50	3.16	7.06	
9/2/2010	--		19.32	0.00	147.85	--	--	--	--	--	--	--	--	
3/15/2011	P		11.77	0.00	155.40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	3.14	7.2	
8/17/2011	--		17.98	0.00	149.19	--	--	--	--	--	--	--	--	
2/6/2012	--		15.92	0.00	151.25	--	--	--	--	--	--	--	--	
MW-4														
7/9/1990	--	170.36	--	--	--	--	--	--	--	--	--	--	--	
12/21/1990	--		--	--	--	--	--	--	--	0.8	--	--	--	
3/7/1991	--		20.72	0.00	149.64	--	2.2	3.8	1.5	2.8	--	--	--	
4/1/1991	--		17.49	0.00	152.87	--	--	--	--	--	--	--	--	
6/27/1991	--		--	--	--	--	6.3	1.8	0.4	1	--	--	--	
9/27/1991	--		--	--	--	--	--	--	--	--	--	--	--	
12/18/1991	--		--	--	--	--	--	--	--	--	--	--	--	
7/3/1992	--		22.16	0.00	148.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	
10/5/1992	--		23.38	0.00	146.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-4 Cont.														
1/13/1993	--	170.36	17.58	0.00	152.78	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
4/23/1993	--		15.72	0.00	154.64	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
7/12/1993	--		21.74	0.00	148.62	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	i
10/21/1993	--		23.84	0.00	146.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	i
1/21/1994	--		22.42	0.00	147.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	i
4/20/1994	--		22.66	0.00	147.70	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.2	--	i
8/1/1994	--		23.01	0.00	147.35	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.9	--	i
12/23/1994	--		17.03	0.00	153.33	--	--	--	--	--	--	--	--	
1/26/1995	--		17.42	0.00	152.94	<50	<0.5	<0.5	<0.5	<1	--	7.5	--	
6/8/1995	--		21.55	0.00	148.81	--	--	--	--	--	--	--	--	
8/22/1995	--		23.47	0.00	146.89	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.4	--	d
10/27/1995	--		24.50	0.00	145.86	--	--	--	--	--	--	--	--	
1/25/1996	--		18.74	0.00	151.62	<50	<0.50	<0.50	<0.50	<1.0	58	--	--	
4/19/1996	--		18.63	0.00	151.73	--	--	--	--	--	--	--	--	
7/23/1996	--		22.56	0.00	147.80	--	--	--	--	--	--	--	--	
11/11/1996	--		23.63	0.00	146.73	<50	<1.0	<1.0	<1.0	<1.0	34	8.2	--	
1/21/1997	--		16.59	0.00	153.77	--	--	--	--	--	--	--	--	
4/29/1997	--		21.43	0.00	148.93	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	--	
8/21/1997	--		22.91	0.00	147.45	--	--	--	--	--	--	--	--	
11/5/1997	--		22.34	0.00	148.02	60	<0.5	<1.0	<1.0	<1.0	76	4.9	--	
2/3/1998	--		12.26	0.00	158.10	--	--	--	--	--	--	--	--	
5/28/1998	--		18.50	0.00	151.86	70	<0.5	<1.0	<1.0	<1.0	160	4.2	--	
12/30/1998	--		19.69	0.00	150.67	--	--	--	--	--	--	--	--	
2/2/1999	--		18.26	0.00	152.10	70	<1.0	<1.0	<1.0	<1.0	130	--	--	
5/10/1999	--		17.86	0.00	152.50	--	--	--	--	--	--	--	--	
8/24/1999	--		17.93	0.00	152.43	--	--	--	--	--	--	--	--	
11/3/1999	--		22.78	0.00	147.58	--	--	--	--	--	--	--	--	
3/1/2000	--		18.04	0.00	152.32	<50	<0.5	0.67	<0.5	0.7	110	--	--	
4/21/2000	--		17.36	0.00	153.00	--	--	--	--	--	--	--	--	
7/31/2000	--		17.83	0.00	152.53	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-4 Cont.														
11/20/2000	--	170.36	18.91	0.00	151.45	--	--	--	--	--	--	--	--	
2/18/2001	--		17.72	0.00	152.64	88	<0.5	<0.5	<0.5	<0.5	97.3	--	--	
6/7/2001	--		20.23	0.00	150.13	--	--	--	--	--	--	--	--	
9/5/2001	--		22.76	0.00	147.60	--	--	--	--	--	--	--	--	
11/30/2001	--		21.30	0.00	149.06	--	--	--	--	--	--	--	--	
2/20/2002	--		19.32	0.00	151.04	76	<0.5	<0.5	<0.5	<1.0	81	--	--	
6/20/2002	--		20.71	0.00	149.65	--	--	--	--	--	--	--	--	
9/11/2002	--		22.22	0.00	148.14	--	--	--	--	--	--	--	--	
11/12/2002	--		22.22	0.00	148.14	--	--	--	--	--	--	--	--	
1/29/2003	--		19.80	0.00	150.56	100	<0.5	<0.5	<0.5	<0.5	66	--	--	n
5/22/2003	--		19.35	0.00	151.01	--	--	--	--	--	--	--	--	
7/28/2003	--		22.18	0.00	148.18	--	--	--	--	--	--	--	--	p
11/18/2003	--		21.65	0.00	148.71	--	--	--	--	--	--	--	--	
02/23/2004	P		17.53	0.00	152.83	75	<0.50	<0.50	<0.50	<0.50	65	--	6.8	
05/04/2004	--		20.62	0.00	149.74	--	--	--	--	--	--	--	--	
08/04/2004	--		21.30	0.00	149.06	--	--	--	--	--	--	--	--	
11/10/2004	--		20.65	0.00	149.71	--	--	--	--	--	--	--	--	
02/15/2005	P		18.91	0.00	151.45	<50	<0.50	<0.50	<0.50	<0.50	62	--	7.6	
05/16/2005	--		17.34	0.00	153.02	--	--	--	--	--	--	--	--	
08/17/2005	--		21.31	0.00	149.05	--	--	--	--	--	--	--	--	
11/18/2005	--		21.67	0.00	148.69	--	--	--	--	--	--	--	--	
02/07/2006	P		16.74	0.00	153.62	100	<0.50	<0.50	1.0	3.0	29	--	6.8	
5/19/2006	--		18.22	0.00	152.14	--	--	--	--	--	--	--	--	
8/23/2006	--		20.95	0.00	149.41	--	--	--	--	--	--	--	--	
11/15/2006	--		22.21	0.00	148.15	--	--	--	--	--	--	--	--	
2/14/2007	P		18.25	0.00	152.11	<50	<0.50	<0.50	<0.50	<0.50	61	0.95	7.34	
5/22/2007	--		20.16	0.00	150.20	--	--	--	--	--	--	--	--	
8/15/2007	--		22.34	0.00	148.02	--	--	--	--	--	--	--	--	
11/8/2007	--		21.86	0.00	148.50	--	--	--	--	--	--	--	--	
2/20/2008	P		17.74	0.00	152.62	<50	<0.50	<0.50	<0.50	<0.50	36	2.13	6.93	

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Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-4 Cont.														
5/7/2008	--	170.36	21.38	0.00	148.98	--	--	--	--	--	--	--	--	
8/20/2008	--		22.44	0.00	147.92	--	--	--	--	--	--	--	--	
11/17/2008	--		22.20	0.00	148.16	--	--	--	--	--	--	--	--	
2/25/2009	P		16.81	0.00	153.55	<50	<0.50	<0.50	<0.50	<0.50	26	2.80	6.83	
5/28/2009	--		20.37	0.00	149.99	--	--	--	--	--	--	--	--	
8/6/2009	--		22.46	0.00	147.90	--	--	--	--	--	--	--	--	
3/4/2010	P		17.11	Sheen	153.25	<50	<0.50	<0.50	<0.50	<1.0	34	0.63	6.80	
9/2/2010	--		20.63	0.00	149.73	--	--	--	--	--	--	--	--	
3/15/2011	P		16.47	0.00	153.89	<50	<0.50	<0.50	<0.50	<1.0	26	1.05	6.9	
8/17/2011	--		20.94	0.00	149.42	--	--	--	--	--	--	--	--	
2/6/2012	P		19.65	0.00	150.71	<50	<0.50	<0.50	<0.50	<1.0	32	1.06	7.28	
MW-5														
7/9/1990	--	165.14	--	--	--	280	200	210	46	290	--	--	--	
12/21/1990	--		--	--	--	0.69	300	34	8.4	39	--	--	--	
3/7/1991	--		16.60	0.00	148.54	--	17	0.9	0.7	1.6	--	--	--	
4/1/1991	--		11.99	0.00	153.15	800	250	54	11	60	--	--	--	
6/27/1991	--		--	--	--	330	120	10	12	8	--	--	--	
9/27/1991	--		--	--	--	0.73	230	16	20	22	--	--	--	
12/18/1991	--		--	--	--	--	--	--	--	--	--	--	--	
7/3/1992	--		18.65	0.00	146.49	150	36	<0.5	<0.5	1.1	--	--	--	
10/5/1992	--		20.32	0.00	144.82	270	79	4	1.7	2.9	--	--	--	
1/13/1993	--		13.03	0.00	152.11	180	59	6	1.8	7.6	--	--	--	i
4/23/1993	--		13.51	0.00	151.63	8,700	440	96	35	136	--	--	--	i
7/12/1993	--		18.06	0.00	147.08	250	57	2.9	2.1	6	<5.0	--	--	i
10/21/1993	--		20.41	0.00	144.73	210	82	1.5	<0.5	1.4	--	--	--	i
1/21/1994	--		18.86	0.00	146.28	110	36	1.2	<0.5	0.7	<5.0	--	--	i
4/20/1994	--		17.30	0.00	147.84	690	230	4.5	1.6	11	21.2	1.3	--	i
8/1/1994	--		17.53	0.00	147.61	170	44	1.6	0.9	2.7	<5.0	0.9	--	i
12/23/1994	--		11.63	0.00	153.51	630	180	1.9	0.66	1.9	7.81	1.4	--	i
1/26/1995	--		11.25	0.00	153.89	160	68	<0.5	<0.5	22	--	5.9	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-5 Cont.														
6/8/1995	--	165.14	16.80	0.00	148.34	1,700	560	51	55	170	--	--	--	c
6/8/1995	--		16.80	0.00	148.34	2,000	630	58	61	180	--	6.5	--	
8/22/1995	--		19.02	0.00	146.12	3,700	1,100	18	27	59	<130	7.3	--	d
10/27/1995	--		20.94	0.00	144.20	--	--	--	--	--	--	--	--	
10/30/1995	--		--	--	--	6,500	2,200	55	180	270	<250	7.5	--	
1/25/1996	--		13.30	0.00	151.84	540	37	0.66	<0.50	<1.0	<5.0	--	--	c
1/25/1996	--		13.30	0.00	151.84	590	37	0.7	<0.50	<1.0	<5.0	--	--	
4/19/1996	--		13.63	0.00	151.51	1,500	470	38	49	210	<50	8.1	--	
7/23/1996	--		17.61	0.00	147.53	140	4.6	<0.5	<0.5	<0.5	<10	8	--	
11/11/1996	--		18.70	0.00	146.44	140	40	<1.0	<1.0	<1.0	<10	7.9	--	
1/21/1997	--		11.63	0.00	153.51	730	300	<5.0	7.8	26	<50	5	--	
4/29/1997	--		16.74	0.00	148.40	340	530	<5.0	<5.0	<5.0	<50	4.8	--	
8/21/1997	--		18.26	0.00	146.88	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	--	
11/5/1997	--		18.84	0.00	146.30	120	13	<1.0	<1.0	<1.0	<10	4.4	--	
2/3/1998	--		9.49	0.00	155.65	<50	<0.50	<1.0	<1.0	<1.0	<10	4.3	--	
5/28/1998	--		13.57	0.00	151.57	4,900	1,500	34	180	311	<10	4.1	--	
12/30/1998	--		14.65	0.00	150.49	--	--	--	--	--	--	--	--	
2/2/1999	--		12.56	0.00	152.58	100	<1.0	<1.0	<1.0	<1.0	9.1	--	--	
5/10/1999	--		13.36	0.00	151.78	--	--	--	--	--	--	--	--	
8/24/1999	--		13.50	0.00	151.64	--	--	--	--	--	--	--	--	
11/3/1999	--		18.48	0.00	146.66	--	--	--	--	--	--	--	--	
3/1/2000	--		9.59	0.00	155.55	<50	<0.5	0.58	<0.5	0.54	2.9	--	--	
4/21/2000	--		13.52	0.00	151.62	--	--	--	--	--	--	--	--	
7/31/2000	--		14.04	0.00	151.10	--	--	--	--	--	--	--	--	
11/20/2000	--		15.89	0.00	149.25	--	--	--	--	--	--	--	--	
2/18/2001	--		11.88	0.00	153.26	560	161	2.38	6.11	13	5.67	--	--	
6/7/2001	--		15.30	0.00	149.84	--	--	--	--	--	--	--	--	
9/5/2001	--		19.32	0.00	145.82	--	--	--	--	--	--	--	--	
11/30/2001	--		17.44	0.00	147.70	--	--	--	--	--	--	--	--	
2/20/2002	--		13.88	0.00	151.26	4,200	940	18.7	98.2	176	55.6	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-5 Cont.														
6/20/2002	--	165.14	16.20	0.00	148.94	--	--	--	--	--	--	--	--	
9/11/2002	--		19.15	0.00	145.99	--	--	--	--	--	--	--	--	
11/12/2002	--		19.01	0.00	146.13	390	55	0.89	3.4	3.5	210	--	--	
1/29/2003	--		16.33	0.00	148.81	7,900	1,400	34	220	350	82	--	--	n
5/22/2003	--		14.35	0.00	150.79	9,900	2,300	91	400	690	<50	--	--	
7/28/2003	--		18.90	0.00	146.24	3,200	690	14	81	100	120	--	--	p
11/18/2003	--		--	--	--	--	--	--	--	--	--	--	--	Well inaccessible e, q
02/23/2004	P		12.21	0.00	152.93	7,500	1,500	100	190	350	100	--	6.7	
05/04/2004	P		17.12	0.00	148.02	5,900	1,500	57	200	280	42	--	6.6	
08/04/2004	P		19.05	0.00	146.09	<2,500	<25	<25	<25	<25	390	--	6.69	
11/10/2004	P		16.95	0.00	148.19	870	80	<5.0	<5.0	<5.0	530	--	7.5	
02/15/2005	P		12.75	0.00	152.39	1,600	330	8.0	37	67	260	--	7.2	
05/16/2005	P		15.46	0.00	149.68	<500	<5.0	<5.0	<5.0	<5.0	370	--	6.7	
08/17/2005	P		17.00	0.00	148.14	7,000	1,000	17	110	130	51	--	6.6	
11/18/2005	P		18.33	0.00	146.81	1,900	91	<5.0	33	29	340	--	7.3	
02/07/2006	P		10.27	0.00	154.87	2,100	590	9.6	86	110	200	--	6.7	
5/19/2006	P		13.08	0.00	152.06	3,200	720	9.7	150	170	44	--	6.8	
8/23/2006	P		17.02	0.00	148.12	1,400	69	<5.0	20	24	230	--	7.11	
11/15/2006	P		18.30	0.00	146.84	1,100	24	<2.5	10	8.6	490	0.85	6.82	
2/14/2007	P		13.16	0.00	151.98	680	110	<2.5	16	11	420	2.54	7.24	
5/22/2007	P		15.42	0.00	149.72	2,800	660	8.8	74	100	26	1.41	7.03	
8/15/2007	P		18.80	0.00	146.34	2,800	50	<10	26	29	280	3.81	7.14	
11/8/2007	P		18.55	Sheen	146.59	3,800	77	<2.5	46	35	270	1.08	7.23	t
2/20/2008	P		12.21	0.00	152.93	2,500	530	<5.0	75	62	43	2.01	6.84	
5/7/2008	P		16.91	0.00	148.23	6,700	1,800	29	270	360	30	2.45	6.87	t
8/20/2008	P		19.45	0.00	145.69	300	22	<2.0	8.5	5.3	260	5.57	6.86	
11/17/2008	--		--	--	--	--	--	--	--	--	--	--	--	e
2/25/2009	P		11.12	0.00	154.02	140	6.4	<0.50	2.4	3.1	68	4.38	6.65	
5/28/2009	P		15.70	0.00	149.44	3,800	790	9.5	140	110	11	0.04	6.82	x
8/6/2009	P		18.84	Sheen	146.30	78	<5.0	<5.0	<5.0	<5.0	190	0.06	7.27	x

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Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-5 Cont.														
3/4/2010	P	165.14	10.02	0.00	155.12	1,200	420	5.5	69	58	15	0.66	6.87	
9/2/2010	NP		16.24	0.00	148.90	200	69	1.3	3.2	7.3	13	0.75	6.75	y
3/15/2011	P		11.36	0.00	153.78	1,700	410	7.9	88	80	5.9	0.85	6.8	
8/17/2011	P		16.62	0.00	148.52	1,900	460	7.6	44	51	<5.0	0.61	7.11	
2/6/2012	P		14.36	0.00	150.78	580	140	<5.0	9.2	<10	9.8	1.31	7.21	
MW-6														
7/9/1990	--	165.40	--	--	--	--	--	--	--	--	--	--	--	
12/21/1990	--		--	--	--	0.17	2.6	7	4.9	26	--	--	--	
3/7/1991	--		--	--	--	--	--	--	--	--	--	--	--	e
4/1/1991	--		11.79	0.00	153.61	--	--	--	--	--	--	--	--	
6/27/1991	--		--	--	--	--	--	--	--	--	--	--	--	e
9/27/1991	--		--	--	--	--	--	--	--	--	--	--	--	e
12/18/1991	--		--	--	--	--	1.3	22	--	2.7	--	--	--	
7/3/1992	--		17.77	0.00	147.63	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	
10/5/1992	--		19.46	0.00	145.94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	
1/13/1993	--		11.34	0.00	154.06	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
4/23/1993	--		12.92	0.00	152.48	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
7/12/1993	--		17.36	0.00	148.04	<50	<0.5	<0.5	<0.5	0.7	<5.0	--	--	i
10/21/1993	--		19.98	0.00	145.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
1/21/1994	--		18.10	0.00	147.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	i
4/20/1994	--		18.68	0.00	146.72	<50	<0.5	<0.5	<0.5	<0.5	17.4	2	--	i
8/1/1994	--		18.90	0.00	146.50	<50	<0.5	<0.5	<0.5	<0.5	8.66	1.5	--	i
12/23/1994	--		12.94	0.00	152.46	--	--	--	--	--	--	--	--	
1/26/1995	--		10.46	0.00	154.94	<50	<0.5	<0.5	<0.5	<1	--	7.3	--	
6/8/1995	--		16.84	0.00	148.56	--	--	--	--	--	--	--	--	
8/22/1995	--		19.48	0.00	145.92	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.7	--	d
10/27/1995	--		20.39	0.00	145.01	--	--	--	--	--	--	--	--	
1/25/1996	--		12.24	0.00	153.16	<50	<0.50	<0.50	<0.50	<1.0	9.9	--	--	
4/19/1996	--		13.90	0.00	151.50	--	--	--	--	--	--	--	--	
7/23/1996	--		17.83	0.00	147.57	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-6 Cont.														
11/11/1996	--	165.40	18.90	0.00	146.50	<50	<0.5	<1.0	<1.0	<1.0	<10	7.7	--	
1/21/1997	--		11.97	0.00	153.43	--	--	--	--	--	--	--	--	
4/29/1997	--		17.04	0.00	148.36	<50	<0.5	<1.0	<1.0	<1.0	<10	4.5	--	
8/21/1997	--		18.58	0.00	146.82	--	--	--	--	--	--	--	--	
11/5/1997	--		19.17	0.00	146.23	70	<0.5	<1.0	<1.0	<1.0	85	4.3	--	
2/3/1998	--		9.87	0.00	155.53	--	--	--	--	--	--	--	--	
5/28/1998	--		13.38	0.00	152.02	<50	<0.5	<1.0	<1.0	<1.0	<10	3.7	--	
12/30/1998	--		14.45	0.00	150.95	--	--	--	--	--	--	--	--	
2/2/1999	--		18.29	0.00	147.11	--	--	--	--	--	--	--	--	
5/10/1999	--		17.49	0.00	147.91	--	--	--	--	--	--	--	--	
8/24/1999	--		17.61	0.00	147.79	--	--	--	--	--	--	--	--	
11/3/1999	--		16.26	0.00	149.14	--	--	--	--	--	--	--	--	
3/1/2000	--		17.43	0.00	147.97	--	--	--	--	--	--	--	--	
4/21/2000	--		13.32	0.00	152.08	--	--	--	--	--	--	--	--	
7/31/2000	--		13.46	0.00	151.94	--	--	--	--	--	--	--	--	
11/20/2000	--		14.78	0.00	150.62	--	--	--	--	--	--	--	--	
2/18/2001	--		11.33	0.00	154.07	--	--	--	--	--	--	--	--	
6/7/2001	--		16.36	0.00	149.04	--	--	--	--	--	--	--	--	
9/5/2001	--		18.61	0.00	146.79	--	--	--	--	--	--	--	--	
11/30/2001	--		15.20	0.00	150.20	--	--	--	--	--	--	--	--	
2/20/2002	--		12.74	0.00	152.66	--	--	--	--	--	--	--	--	
6/20/2002	--		16.68	0.00	148.72	--	--	--	--	--	--	--	--	
9/11/2002	--		18.38	0.00	147.02	--	--	--	--	--	--	--	--	
11/12/2002	--		18.78	0.00	146.62	--	--	--	--	--	--	--	--	
1/29/2003	--		14.45	0.00	150.95	--	--	--	--	--	--	--	--	n
5/22/2003	--		14.36	0.00	151.04	--	--	--	--	--	--	--	--	
7/28/2003	--		18.43	0.00	146.97	--	--	--	--	--	--	--	--	p
11/18/2003	--		17.48	0.00	147.92	--	--	--	--	--	--	--	--	
02/23/2004	--		11.54	0.00	153.86	--	--	--	--	--	--	--	--	
05/04/2004	--		16.58	0.00	148.82	--	--	--	--	--	--	--	--	

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Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-6 Cont.														
08/04/2004	--	165.40	18.12	0.00	147.28	--	--	--	--	--	--	--	--	
11/10/2004	--		15.75	0.00	149.65	--	--	--	--	--	--	--	--	
02/15/2005	--		12.50	0.00	152.90	--	--	--	--	--	--	--	--	
05/16/2005	P		11.51	0.00	153.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	7.0	
08/17/2005	--		16.85	0.00	148.55	--	--	--	--	--	--	--	--	
11/18/2005	--		--	--	--	--	--	--	--	--	--	--	--	e
02/07/2006	P		9.93	0.00	155.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	7.1	
5/19/2006	--		--	--	--	--	--	--	--	--	--	--	--	e
8/23/2006	--		16.35	0.00	149.05	--	--	--	--	--	--	--	--	
11/15/2006	--		17.42	0.00	147.98	--	--	--	--	--	--	--	--	
2/14/2007	P		12.03	0.00	153.37	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.07	7.73	
5/22/2007	--		15.11	0.00	150.29	--	--	--	--	--	--	--	--	
8/15/2007	--		18.08	0.00	147.32	--	--	--	--	--	--	--	--	
11/8/2007	--		17.79	0.00	147.61	--	--	--	--	--	--	--	--	
2/20/2008	P		11.81	0.00	153.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.29	7.10	
5/7/2008	--		16.75	0.00	148.65	--	--	--	--	--	--	--	--	
8/20/2008	--		--	--	--	--	--	--	--	--	--	--	--	e
11/17/2008	--		--	--	--	--	--	--	--	--	--	--	--	e
2/25/2009	P		9.99	0.00	155.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.39	7.09	
5/28/2009	--		--	--	--	--	--	--	--	--	--	--	--	e
8/6/2009	--		18.33	0.00	147.07	--	--	--	--	--	--	--	--	
3/4/2010	P		9.11	0.00	156.29	<50	<0.50	<0.50	<0.50	<1.0	<0.50	0.88	7.01	
9/2/2010	--		17.80	0.00	147.60	--	--	--	--	--	--	--	--	
3/15/2011	P		10.08	0.00	155.32	<50	<0.50	<0.50	<0.50	<1.0	<0.50	1.43	7.1	
8/17/2011	--		16.50	0.00	148.90	--	--	--	--	--	--	--	--	
2/6/2012	--		14.44	0.00	150.96	--	--	--	--	--	--	--	--	
MW-7														
7/9/1990	--	167.61	--	--	--	--	--	--	--	--	--	--	--	
12/21/1990	--		--	--	--	--	--	--	--	--	--	--	--	
3/7/1991	--		19.04	0.00	148.57	--	--	0.4	0.3	2.4	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-7 Cont.														
4/1/1991	--	167.61	15.18	0.00	152.43	--	--	--	--	--	--	--	--	
6/27/1991	--		--	--	--	70	17	4	0.8	2.2	--	--	--	
9/27/1991	--		--	--	--	--	0.4	--	--	0.4	--	--	--	
12/18/1991	--		--	--	--	--	0.7	2.9	0.8	3.3	--	--	--	
7/3/1992	--		20.28	0.00	147.33	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	
10/5/1992	--		21.56	0.00	146.05	<50	<0.5	<0.5	<0.5	1.5	--	--	--	
1/13/1993	--		15.41	0.00	152.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
4/23/1993	--		15.84	0.00	151.77	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
7/12/1993	--		19.84	0.00	147.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	i
10/21/1993	--		21.61	0.00	146.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	i
1/21/1994	--		20.49	0.00	147.12	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	c
1/21/1994	--		20.49	0.00	147.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	i
4/20/1994	--		20.54	0.00	147.07	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.5	--	i
8/1/1994	--		20.99	0.00	146.62	<50	0.7	<0.5	<0.5	<0.5	<5.0	1.9	--	i
12/23/1994	--		15.00	0.00	152.61	--	--	--	--	--	--	--	--	
1/26/1995	--		14.69	0.00	152.92	<50	<0.5	<0.5	<0.5	<1	--	7	--	
6/8/1995	--		19.87	0.00	147.74	--	--	--	--	--	--	--	--	
8/22/1995	--		21.49	0.00	146.12	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.4	--	d
10/27/1995	--		22.53	0.00	145.08	--	--	--	--	--	--	--	--	
1/25/1996	--		17.21	0.00	150.40	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	
4/19/1996	--		17.09	0.00	150.52	--	--	--	--	--	--	--	--	
7/23/1996	--		21.02	0.00	146.59	--	--	--	--	--	--	--	--	
11/11/1996	--		22.03	0.00	145.58	<50	<0.5	<1.0	<1.0	<1.0	<10	7.8	--	
1/21/1997	--		15.06	0.00	152.55	--	--	--	--	--	--	--	--	
4/29/1997	--		20.11	0.00	147.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	--	
8/21/1997	--		21.59	0.00	146.02	--	--	--	--	--	--	--	--	
11/5/1997	--		20.05	0.00	147.56	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	--	
2/3/1998	--		9.97	0.00	157.64	--	--	--	--	--	--	--	--	
5/28/1998	--		13.52	0.00	154.09	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	--	
12/30/1998	--		18.33	0.00	149.28	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-7 Cont.														
2/2/1999	--	167.61	12.33	0.00	155.28	--	--	--	--	--	--	--	--	
5/10/1999	--		13.52	0.00	154.09	--	--	--	--	--	--	--	--	
8/24/1999	--		14.01	0.00	153.60	--	--	--	--	--	--	--	--	
11/3/1999	--		19.91	0.00	147.70	--	--	--	--	--	--	--	--	
3/1/2000	--		19.89	0.00	147.72	--	--	--	--	--	--	--	--	
4/21/2000	--		17.94	0.00	149.67	--	--	--	--	--	--	--	--	
7/31/2000	--		17.33	0.00	150.28	--	--	--	--	--	--	--	--	
11/20/2000	--		18.41	0.00	149.20	--	--	--	--	--	--	--	--	
2/18/2001	--		15.13	0.00	152.48	--	--	--	--	--	--	--	--	
6/7/2001	--		18.75	0.00	148.86	--	--	--	--	--	--	--	--	
9/5/2001	--		20.48	0.00	147.13	--	--	--	--	--	--	--	--	
11/30/2001	--		20.11	0.00	147.50	--	--	--	--	--	--	--	--	
2/20/2002	--		18.40	0.00	149.21	--	--	--	--	--	--	--	--	
6/20/2002	--		18.62	0.00	148.99	--	--	--	--	--	--	--	--	
9/11/2002	--		20.05	0.00	147.56	--	--	--	--	--	--	--	--	
11/12/2002	--		21.13	0.00	146.48	--	--	--	--	--	--	--	--	n
1/29/2003	--		19.10	0.00	148.51	--	--	--	--	--	--	--	--	
5/22/2003	--		18.83	0.00	148.78	--	--	--	--	--	--	--	--	
7/28/2003	--		19.88	0.00	147.73	--	--	--	--	--	--	--	--	p
11/18/2003	--	168.08	20.50	0.00	147.58	--	--	--	--	--	--	--	--	s
11/18/2003	--		20.50	0.00	147.58	--	--	--	--	--	--	--	--	
02/23/2004	--		15.92	0.00	152.16	--	--	--	--	--	--	--	--	
05/04/2004	--		18.86	0.00	149.22	--	--	--	--	--	--	--	--	
08/04/2004	--		19.10	0.00	148.98	--	--	--	--	--	--	--	--	
11/10/2004	--		20.25	0.00	147.83	--	--	--	--	--	--	--	--	
02/15/2005	--		16.37	0.00	151.71	--	--	--	--	--	--	--	--	
05/16/2005	--		--	--	--	--	--	--	--	--	--	--	--	e
08/17/2005	--		19.74	0.00	148.34	--	--	--	--	--	--	--	--	
11/18/2005	--		20.82	0.00	147.26	--	--	--	--	--	--	--	--	
02/07/2006	P		14.26	0.00	153.82	<500	<5.0	<5.0	<5.0	<5.0	270	--	7.3	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-7 Cont.														
5/19/2006	--	168.08	16.51	0.00	151.57	--	--	--	--	--	--	--	--	
8/23/2006	--		20.30	0.00	147.78	--	--	--	--	--	--	--	--	
11/15/2006	--		20.85	0.00	147.23	--	--	--	--	--	--	--	--	
2/14/2007	P		16.57	0.00	151.51	520	<5.0	<5.0	<5.0	<5.0	740	3.08	7.30	v
5/22/2007	--		18.40	0.00	149.68	--	--	--	--	--	--	--	--	
8/15/2007	--		20.85	0.00	147.23	--	--	--	--	--	--	--	--	
11/8/2007	--		20.41	0.00	147.67	--	--	--	--	--	--	--	--	
2/20/2008	P		15.90	0.00	152.18	<50	<0.50	<0.50	<0.50	<0.50	700	4.34	7.09	
5/7/2008	--		19.41	0.00	148.67	--	--	--	--	--	--	--	--	
8/20/2008	--		21.34	0.00	146.74	--	--	--	--	--	--	--	--	
11/17/2008	--		20.54	0.00	147.54	--	--	--	--	--	--	--	--	
2/25/2009	P		14.89	0.00	153.19	130	<20	<20	<20	<20	540	4.28	6.87	
5/28/2009	--		18.57	0.00	149.51	--	--	--	--	--	--	--	--	
8/6/2009	--		20.83	0.00	147.25	--	--	--	--	--	--	--	--	
3/4/2010	P		14.02	0.00	154.06	430	<0.50	<0.50	<0.50	<1.0	920	3.30	7.02	
9/2/2010	--		20.43	0.00	147.65	--	--	--	--	--	--	--	--	
3/15/2011	P		14.86	0.00	153.22	<1,000	<0.50	<0.50	<0.50	<1.0	990	4.05	7.0	
8/17/2011	--		19.01	0.00	149.07	--	--	--	--	--	--	--	--	
2/6/2012	P		18.20	0.00	149.88	<50	<0.50	<0.50	<0.50	<1.0	22	1.58	7.44	
MW-8														
3/7/1991	--	165.74	16.72	0.00	149.02	2.7	780	450	64	310	--	--	--	
4/1/1991	--		12.54	0.00	153.20	15,000	3,600	2,600	410	1,900	--	--	--	
6/27/1991	--		--	--	--	12,000	3,400	1,100	240	750	--	--	--	
9/27/1991	--		--	--	--	41	5,700	5,200	1,100	4,300	--	--	--	
12/18/1991	--		--	--	--	3.2	990	150	120	250	--	--	--	
7/3/1992	--		18.78	0.00	146.96	72,000	19,000	32,000	3,000	15,000	--	--	--	
10/5/1992	--		20.48	0.00	145.26	--	--	--	--	--	--	--	--	
1/13/1993	--		12.87	0.00	152.87	--	--	--	--	--	--	--	--	
4/23/1993	--		13.90	0.00	151.84	--	--	--	--	--	--	--	--	t
7/12/1993	--		18.30	0.00	147.44	--	--	--	--	--	--	--	--	t

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-8 Cont.														
10/21/1993	--	165.74	21.91	0.00	142.88	--	--	--	--	--	--	--	--	
10/2/93-12/9/98	--		--	0.12	--	--	--	--	--	--	--	--	--	
1/21/1994	--		19.12	0.00	146.62	--	--	--	--	--	--	--	--	
4/20/1994	--		19.28	0.00	146.46	26,000	1,700	4,100	960	4,000	632	1.1	--	i
8/1/1994	--		--	--	--	--	--	--	--	--	--	--	--	
12/23/1994	--		13.81	0.00	151.93	--	--	--	--	--	--	--	--	
1/26/1995	--		--	--	--	--	--	--	--	--	--	--	--	
6/8/1995	--		17.82	0.00	147.92	--	--	--	--	--	--	--	--	
8/22/1995	--		19.41	0.00	146.33	--	--	--	--	--	--	--	--	
10/27/1995	--		20.47	0.00	145.27	--	--	--	--	--	--	--	--	
1/25/1996	--		13.35	0.00	152.39	--	--	--	--	--	--	--	--	
4/19/1996	--		14.40	0.00	151.34	--	--	--	--	--	--	--	--	
7/23/1996	--		18.35	0.00	147.39	--	--	--	--	--	--	--	--	
11/11/1996	--		19.41	0.00	146.33	--	--	--	--	--	--	--	--	
1/21/1997	--		12.29	0.00	153.45	--	--	--	--	--	--	--	--	
4/29/1997	--		--	--	--	--	--	--	--	--	--	--	--	e
8/21/1997	--		19.61	0.00	146.13	240,000	1,100	9,300	4,100	31,100	<1000	5.2	--	
11/5/1997	--		19.45	0.00	146.29	57,000	790	2,700	2,300	15,200	<1000	5	--	
2/3/1998	--		9.33	0.00	156.41	--	--	--	--	--	--	--	--	
2/4/1998	--		--	--	--	94,000	570	1,500	2,100	15,200	<2500	5.5	--	
5/28/1998	--		--	--	--	--	--	--	--	--	--	--	--	e
12/30/1998	--		15.48	0.00	150.26	120,000	460	2,300	2,200	15,000	150	--	--	
2/2/1999	--		18.29	0.00	147.45	82,000	450	2,200	3,700	26,000	<500	--	--	
5/10/1999	--		15.62	0.00	150.12	28,000	740	1,800	1,100	5,800	<25	--	--	
8/24/1999	--		18.41	0.00	147.33	75,000	530	1,400	3,300	21,000	150	--	--	
11/3/1999	--		18.71	0.00	147.03	70,000	600	1,300	3,600	20,500	750	--	--	
3/1/2000	--		19.37	0.00	146.37	27,000	1,600	1,200	2,600	6,600	120	--	--	
4/21/2000	--		--	--	--	--	--	--	--	--	--	--	--	e
7/31/2000	--		--	--	--	--	--	--	--	--	--	--	--	e
11/20/2000	--		17.42	0.00	148.32	1,300,000	1,400	1,700	20,000	16,000	5,700	--	--	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-8 Cont.														
2/18/2001	--	165.74	--	--	--	--	--	--	--	--	--	--	--	e
6/7/2001	--		--	--	--	--	--	--	--	--	--	--	--	e
9/5/2001	--		21.45	0.04	144.25	--	--	--	--	--	--	--	--	j
11/30/2001	--		18.31	0.00	147.43	--	--	--	--	--	--	--	--	h
12/6/2001	--		--	--	--	--	--	--	--	--	--	--	--	e
2/20/2002	--		14.02	0.00	151.72	20,000	163	114	403	3,810	80.4	--	--	
6/20/2002	--		17.56	0.00	148.18	28,000	466	141	962	5,850	2,520	--	--	
9/11/2002	--		19.45	0.00	146.29	190,000	1,500	670	4,500	23,000	1,200	--	--	
11/12/2002	--		19.15	0.00	146.59	420	6.4	2.9	16	110	31	--	--	t
1/29/2003	--		15.02	0.00	150.72	200,000	810	<500	2,000	11,000	<500	--	--	n
5/22/2003	--		15.07	0.00	150.67	--	--	--	--	--	--	--	--	t
6/24/2003	--		17.95	0.00	147.79	43,000	860	300	2,100	9,600	46	--	--	
7/28/2003	--		19.45	0.00	146.29	62,000	690	230	1,800	15,000	2,100	--	--	
8/12/2003	--		19.40	<0.01	146.34	--	--	--	--	--	--	--	--	o,t
9/12/2003	--		19.34	0.00	146.40	--	--	--	--	--	--	--	--	o
10/3/2003	--		--	<0.01	--	--	--	--	--	--	--	--	--	
11/18/2003	P		18.80	<0.01	146.94	8,800	500	37	530	930	1,700	--	--	o,p
12/31/2003	--		--	<0.01	--	--	--	--	--	--	--	--	--	
2/2/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
02/23/2004	P		12.82	<0.01	152.92	32,000	840	360	1,000	7,100	110	--	6.6	t
3/18/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
4/13/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
05/04/2004	P		18.87	<0.01	146.87	42,000	570	230	1,700	8,400	2,000	--	7.0	t
6/2/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
08/04/2004	--		19.37	0.05	146.41	--	--	--	--	--	--	--	--	
09/22/2004	NP		19.60	0.00	146.14	--	--	--	--	--	--	--	--	
11/10/2004	P		16.58	0.00	149.16	11,000	790	61	1,000	830	74	--	7.3	t
02/15/2005	P		12.85	0.00	152.89	38,000	1,300	390	2,300	7,900	<50	--	7.2	
05/16/2005	P		12.22	0.00	153.52	31,000	1,000	360	2,500	7,500	<50	--	6.5	
08/17/2005	P		17.80	0.00	147.94	60,000	540	240	2,500	8,600	<50	--	6.7	

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Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-8 Cont.														
11/18/2005	P	165.74	21.02	0.00	144.72	33,000	340	120	1,400	4,900	140	--	6.9	
02/07/2006	P		10.73	0.00	155.01	5,700	94	27	260	820	7.5	--	6.6	
5/19/2006	P		13.89	0.00	151.85	40,000	1,100	320	2,900	6,000	<25	--	6.6	t
8/23/2006	P		18.85	0.00	146.89	21,000	520	150	1,800	6,300	82	--	7.35	
11/15/2006	P		18.75	0.00	146.99	3,300	81	<25	130	430	110	0.81	6.91	
2/14/2007	P		13.45	Sheen	152.29	9,300	320	<25	360	710	82	1.89	7.13	t
5/22/2007	P		15.92	Sheen	149.82	17,000	370	51	760	1,600	11	1.05	6.99	t
8/15/2007	P		19.11	Sheen	146.63	17,000	170	44	1,000	2,700	28	3.93	7.08	
11/8/2007	P		18.46	Sheen	147.28	24,000	150	43	1,100	3,200	27	1.29	7.14	t
2/20/2008	--		--	--	--	--	--	--	--	--	--	--	--	e
5/7/2008	--		--	--	--	--	--	--	--	--	--	--	--	e
8/20/2008	--		19.66	0.01	146.09	--	--	--	--	--	--	--	--	b
11/17/2008	--		--	--	--	--	--	--	--	--	--	--	--	e
2/25/2009	P		11.50	Sheen	154.24	3,400	160	11	88	65	35	2.18	6.98	t
4/8/2009	--		14.55	0.00	151.19	--	--	--	--	--	--	--	--	
5/28/2009	P		16.12	Sheen	149.62	8,300	410	54	660	800	<2.5	0.06	6.78	t, x
6/16/2009	--		17.63	0.00	148.11	--	--	--	--	--	--	--	--	
8/6/2009	--		--	--	--	--	--	--	--	--	--	--	--	e
3/4/2010	P		10.33	0.00	155.41	11,000	520	110	830	1,600	<5.0	0.82	6.72	
9/2/2010	P		18.52	0.00	147.22	6,900	180	24	280	480	<5.0	0.56	6.75	
3/15/2011	P		11.03	Sheen	154.71	14,000	470	150	1,400	3,000	<2.5	0.90	6.6	
8/17/2011	P		17.14	0.00	148.60	4,100	180	24	280	340	<5.0	0.61	7.08	
2/6/2012	P		15.07	0.00	150.67	5,100	140	18	210	220	<5.0	0.91	7.17	
MW-9														
3/7/1991	--	166.20	16.79	0.00	149.41	7.1	220	4	2.4	2,400	--	--	--	
4/1/1991	--		12.89	0.00	153.31	12,000	2,000	2,600	360	1,600	--	--	--	
6/27/1991	--		--	--	--	3,600	520	400	85	310	--	--	--	
9/27/1991	--		--	--	--	3.2	720	150	50	180	--	--	--	
12/18/1991	--		--	--	--	--	2.5	1.1	0.3	5.8	--	--	--	
7/3/1992	--		18.89	0.00	147.31	5,700	17,000	840	230	800	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-9 Cont.														
10/5/1992	--	166.20	20.52	0.00	145.68	1,400	440	17	14	100	--	--	--	
1/13/1993	--		12.92	0.00	153.28	11,000	1,200	1,600	330	1,300	--	--	--	c,i
1/13/1993	--		12.92	0.00	153.28	11,000	1,200	1,700	340	1,400	--	--	--	i
4/23/1993	--		14.08	0.00	152.12	24,000	2,800	4,500	730	3,400	--	--	--	i
7/12/1993	--		18.44	0.00	147.76	10,000	1,200	900	310	1,200	--	--	--	c
7/12/1993	--		18.44	0.00	147.76	13,000	1,400	1,100	360	1,400	20.8	--	--	i
10/21/1993	--		21.81	0.00	143.50	--	--	--	--	--	--	--	--	
11/2/93-4/29/97	--		--	0.10	--	--	--	--	--	--	--	--	--	
1/21/1994	--		19.28	0.00	146.92	--	--	--	--	--	--	--	--	
4/20/1994	--		19.72	0.00	146.48	45,000	2,700	6,800	1,200	8,200	740	--	--	c,d
4/20/1994	--		19.72	0.00	146.48	43,000	2,800	6,800	1,300	7,900	768	1.7	--	i
8/1/1994	--		20.18	0.00	146.02	--	--	--	--	--	--	--	--	
12/23/1994	--		14.22	0.00	151.98	--	--	--	--	--	--	--	--	
1/26/1995	--		11.85	0.00	154.35	--	--	--	--	--	--	--	--	
6/8/1995	--		18.33	0.00	147.87	--	--	--	--	--	--	--	--	
8/22/1995	--		19.95	0.00	146.25	--	--	--	--	--	--	--	--	
10/27/1995	--		20.88	0.00	145.32	--	--	--	--	--	--	--	--	
1/25/1996	--		13.84	0.00	152.36	--	--	--	--	--	--	--	--	
4/19/1996	--		--	--	--	--	--	--	--	--	--	--	--	e
7/23/1996	--		18.84	0.00	147.36	--	--	--	--	--	--	--	--	
11/11/1996	--		19.91	0.00	146.29	--	--	--	--	--	--	--	--	
1/21/1997	--		12.93	0.00	153.27	--	--	--	--	--	--	--	--	
4/29/1997	--		18.03	0.10	148.17	--	--	--	--	--	--	--	--	t
4/30/1997	--		--	--	--	78,000	1,900	3,600	3,100	20,600	<5000	5.5	--	
8/21/1997	--		19.56	0.00	146.64	110,000	2,100	3,400	2,300	18,800	<500	5.1	--	
11/5/1997	--		20.59	0.01	145.60	59,000	1,400	1,700	2,200	17,000	<500	4.5	--	
2/3/1998	--		10.56	0.00	155.64	55,000	490	1,200	1,400	10,200	<1000	4.9	--	
5/28/1998	--		14.21	0.00	151.99	53,000	290	830	1,400	10,500	<500	--	--	c
5/28/1998	--		14.21	0.00	151.99	41,000	250	1,200	1,500	11,400	<250	3.8	--	
12/30/1998	--		15.61	0.00	150.59	83,000	860	1,300	2,400	21,000	180	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-9 Cont.														
2/2/1999	--	166.20	12.33	0.00	153.87	75,000	530	960	1,900	17,000	<50	--	--	
5/10/1999	--		15.67	0.00	150.53	22,000	600	1,500	1,100	4,400	72	--	--	
8/24/1999	--		19.10	0.00	147.10	85,000	850	1,300	1,700	20,000	<250	--	--	
11/3/1999	--		19.58	0.00	146.62	72,000	700	780	1,900	19,000	<5.0	--	--	
3/1/2000	--		13.19	0.00	153.01	34,000	78	490	1,100	8,200	63	--	--	
4/21/2000	--		14.29	0.00	151.91	55,000	260	920	1,500	16,000	<5.0	--	--	
7/31/2000	--		15.01	0.00	151.19	1,200,000	1,500	6,300	15,000	120,000	1,600	--	--	
11/20/2000	--		18.23	0.00	147.97	320,000	3,500	19,000	5,000	40,000	3,900	--	--	
2/18/2001	--		13.14	0.00	153.06	32,000	290	417	1,180	10,400	121	--	--	
6/7/2001	--		17.41	0.00	148.79	96,000	421	704	2,330	17,300	223	--	--	
9/5/2001	--		20.56	0.00	145.64	39,000	445	323	1,240	8,940	310	--	--	
11/30/2001	--		17.42	0.00	148.78	60,000	310	586	1,890	14,200	285	--	--	
2/20/2002	--		13.87	0.00	152.33	14,000	64	122	897	2,650	293	--	--	
6/20/2002	--		18.22	0.00	147.98	29,000	307	168	1,100	5,670	208	--	--	
9/11/2002	--		20.27	0.00	145.93	230,000	1,400	680	3,600	23,000	<2500	--	--	
11/12/2002	--		19.40	0.00	146.80	840	5.8	3.6	28	160	21	--	--	t
1/29/2003	--		14.30	0.10	151.80	--	--	--	--	--	--	--	--	j,n
5/22/2003	--		15.16	0.00	151.04	23,000	260	<50	1,000	2,900	<50	--	--	t
6/24/2003	--		--	--	--	--	--	--	--	--	--	--	--	e
7/28/2003	--		19.55	<0.01	146.65	1,500,000	<500	<500	9,800	79,000	<500	--	--	
8/12/2003	--		19.60	<0.01	146.60	--	--	--	--	--	--	--	--	o,t
9/12/2003	--		19.60	<0.01	146.60	--	--	--	--	--	--	--	--	o,t
11/18/2003	P		18.98	<0.01	147.22	19,000	250	18	690	2,400	45	--	6.8	o,p
12/31/2003	--		--	<0.01	--	--	--	--	--	--	--	--	--	
2/2/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
02/23/2004	P		13.91	<0.01	152.29	91,000	<250	440	2,200	13,000	<250	--	6.8	t
3/18/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
4/13/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
05/04/2004	P		18.11	<0.01	148.09	39,000	230	44	1,100	4,200	<25	--	6.9	t
6/2/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	

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Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-9 Cont.														
08/04/2004	--	166.20	18.90	0.03	147.32	--	--	--	--	--	--	--	--	
09/22/2004	NP		19.69	0.00	146.51	--	--	--	--	--	--	--	--	
11/10/2004	NP		16.95	0.00	149.25	31,000	300	<50	1,100	3,800	<50	--	7.3	t
02/15/2005	P		12.95	0.00	153.25	19,000	200	<50	720	2,000	<50	--	7.3	t
05/16/2005	P		12.53	0.00	153.67	17,000	99	15	770	2,500	<10	--	6.7	
08/17/2005	P		18.03	0.00	148.17	28,000	160	26	1,000	2,700	<12	--	6.8	
11/18/2005	P		19.04	0.00	147.16	12,000	98	<5.0	410	510	19	--	7.1	
02/07/2006	P		10.95	Sheen	155.25	18,000	110	8.7	770	1,500	<5.0	--	6.9	t
5/19/2006	--		--	--	--	--	--	--	--	--	--	--	--	e
8/23/2006	P		18.91	0.00	147.29	28,000	84	<50	1,600	6,200	<50	--	7.3	
11/15/2006	P		18.60	0.00	147.60	8,200	44	<25	190	370	26	0.92	6.88	
2/14/2007	P		13.30	0.00	152.90	20,000	64	<25	720	2,000	<25	0.87	7.17	t
5/22/2007	P		16.14	Sheen	150.06	16,000	80	<25	460	1,200	<25	0.81	7.08	t
8/15/2007	P		19.31	Sheen	146.89	5,900	27	<2.5	59	170	27	2.57	6.98	
11/8/2007	P		18.70	0.00	147.50	6,100	29	<5.0	98	250	52	1.24	7.47	
2/20/2008	--		12.79	0.03	153.43	--	--	--	--	--	--	--	--	b, j
5/7/2008	--		17.68	0.03	148.54	--	--	--	--	--	--	--	--	b, j
8/20/2008	--		19.75	0.01	146.46	--	--	--	--	--	--	--	--	b
11/17/2008	P		18.73	0.00	147.47	10,000	24	<2.5	160	140	33	--	6.64	w
2/25/2009	P		11.23	Sheen	154.97	14,000	60	<10	550	140	<10	2.27	6.69	t
4/8/2009	--		14.21	0.00	151.99	--	--	--	--	--	--	--	--	
5/28/2009	P		16.33	Sheen	149.87	15,000	49	<10	790	1,500	<10	0.07	6.83	t, x
6/16/2009	--		17.82	0.01	148.39	--	--	--	--	--	--	--	--	
8/6/2009	P		19.25	Sheen	146.95	6,800	19	<2.0	120	250	18	0.00	7.26	x
3/4/2010	P		10.32	0.00	155.88	6,000	29	<2.5	<2.5	100	<2.5	0.62	6.84	
9/2/2010	NP		18.72	0.00	147.48	5,700	31	<2.5	160	120	<2.5	0.46	6.85	
3/15/2011	P		11.08	0.00	155.12	6,500	17	<2.5	150	73	<2.5	1.07	6.8	
8/17/2011	--		17.35	0.00	148.85	5,200	9.5	<2.5	71	54	<2.5	0.64	7.18	
2/6/2012	P		15.52	0.00	150.68	4,200	14	<2.5	49	22	<2.5	1.43	7.21	
MW-10														

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Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-10 Cont.														
3/7/1991	--	167.01	18.09	0.00	148.92	1.6	120	190	32	230	--	--	--	
4/1/1991	--		13.92	0.00	153.09	--	--	--	--	--	--	--	--	
6/27/1991	--		--	--	--	12,000	7,300	500	150	300	--	--	--	
9/27/1991	--		--	--	--	57	12,000	7,200	1,400	4,600	--	--	--	
12/18/1991	--		--	--	--	5.3	2,500	120	36	79	--	--	--	
7/3/1992	--		19.92	0.00	147.09	8,600	5,100	1,300	180	690	--	--	--	
10/5/1992	--		21.92	0.00	145.09	--	--	--	--	--	--	--	--	
1/13/1993	--		14.43	0.00	152.58	--	--	--	--	--	--	--	--	
4/23/1993	--		15.26	0.00	151.75	--	--	--	--	--	--	--	--	
7/12/1993	--		19.78	0.00	147.23	--	--	--	--	--	--	--	--	
10/21/1993	--		22.90	0.00	144.11	--	--	--	--	--	--	--	--	
1/21/1994	--		20.25	0.00	146.76	--	--	--	--	--	--	--	--	
4/20/1994	--		20.74	0.00	146.27	100,000	12,000	24,000	2,400	14,000	1,577	1	--	d,i
8/1/1994	--		22.00	0.00	145.01	--	--	--	--	--	--	--	--	
12/23/1994	--		16.08	0.00	150.93	--	--	--	--	--	--	--	--	
1/26/1995	--		13.68	0.00	153.33	--	--	--	--	--	--	--	--	
6/8/1995	--		19.08	0.00	147.93	--	--	--	--	--	--	--	--	
8/22/1995	--		20.73	0.00	146.28	--	--	--	--	--	--	--	--	
10/27/1995	--		21.69	0.00	145.32	--	--	--	--	--	--	--	--	
1/25/1996	--		15.05	0.00	151.96	--	--	--	--	--	--	--	--	
4/19/1996	--		16.26	0.00	150.75	--	--	--	--	--	--	--	--	
7/23/1996	--		20.18	0.00	146.83	--	--	--	--	--	--	--	--	
9/4/1996	--		--	0.76	--	--	--	--	--	--	--	--	--	
11/11/1996	--		21.20	0.00	145.81	--	--	--	--	--	--	--	--	
1/21/1997	--		13.66	0.00	153.35	--	--	--	--	--	--	--	--	
4/29/1997	--		18.71	0.00	148.30	--	--	--	--	--	--	--	--	
4/30/1997	--		--	--	--	170,000	9,700	38,000	4,700	30,500	<5000	5.6	--	
8/21/1997	--		20.19	0.00	146.82	170,000	9,500	35,000	4,300	27,100	<5000	5.3	--	
11/5/1997	--		20.52	0.00	146.49	80,000	3,800	12,000	2,700	15,700	<500	4.4	--	
12/2/1997	--		--	0.03	--	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-10 Cont.														
2/3/1998	--	167.01	10.62	0.00	156.39	--	--	--	--	--	--	--	--	
2/4/1998	--		--	--	--	72,000	500	1,300	1,700	12,000	<1000	5.1	--	
5/28/1998	--		15.46	0.00	151.55	220,000	3,200	24,000	5,200	43,000	<1000	4.8	--	
12/30/1998	--		16.65	0.00	150.36	110,000	3,500	14,000	5,800	50,000	<50	--	--	
2/2/1999	--		14.58	0.00	152.43	74,000	1,000	2,800	1,000	26,000	860	--	--	
5/10/1999	--		15.72	0.00	151.29	81,000	2,800	2,800	3,000	17,000	220	--	--	
8/24/1999	--		19.85	0.00	147.16	54,000	3,500	3,800	1,500	9,100	<250	--	--	
11/3/1999	--		20.00	0.00	147.01	30,000	3,000	3,500	1,200	5,000	31	--	--	
3/1/2000	--		14.62	0.00	152.39	62,000	320	1,200	1,100	26,000	4,400	--	--	
4/21/2000	--		15.46	0.00	151.55	88,000	2,700	7,400	3,700	35,000	2,400	--	--	
7/31/2000	--		--	--	--	--	--	--	--	--	--	--	--	e
11/20/2000	--		18.74	0.00	148.27	78,000	3,800	5,500	2,800	13,000	450	--	--	
2/18/2001	--		14.10	0.00	152.91	39,000	1,050	1,160	1,550	14,700	4,180	--	--	
6/7/2001	--		18.78	0.00	148.23	76,000	2,460	2,840	3,330	20,700	635	--	--	
9/5/2001	--		21.40	0.01	145.60	25,000	2,510	2,070	1,090	4,540	189	--	--	
11/30/2001	--		18.50	0.00	148.51	100,000	2,480	5,720	3,890	22,800	325	--	--	
2/20/2002	--		14.39	0.00	152.62	49,000	2,170	3,070	1,960	12,300	1,090	--	--	
6/20/2002	--		18.80	0.00	148.21	44,000	2,040	3,050	1,690	8,430	224	--	--	
9/11/2002	--		20.52	0.00	146.49	28,000	1,200	2,700	1,400	6,800	<250	--	--	
11/12/2002	--		20.37	0.07	146.57	--	--	--	--	--	--	--	--	j
1/29/2003	--		16.33	0.03	150.65	--	--	--	--	--	--	--	--	j,n
5/22/2003	--		16.32	0.00	150.69	13,000	2,100	850	630	1,600	300	--	--	t
6/24/2003	--		18.73	0.04	148.24	--	--	--	--	--	--	--	--	o
7/28/2003	--		20.39	0.04	146.58	--	--	--	--	--	--	--	--	j
8/12/2003	--		20.43	<0.01	146.58	--	--	--	--	--	--	--	--	o,t
9/12/2003	--		20.41	0.00	146.60	--	--	--	--	--	--	--	--	o
10/3/2003	--		--	<0.01	--	--	--	--	--	--	--	--	--	
11/18/2003	P		19.55	<0.01	147.46	9,900	2,200	530	320	860	<50	--	6.8	o,p
12/31/2003	--		--	<0.01	--	--	--	--	--	--	--	--	--	
2/2/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-10 Cont.														
02/23/2004	P	167.01	15.45	<0.01	151.56	46,000	1,900	2,000	1,800	9,000	180	--	6.7	t
3/18/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
4/13/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
05/04/2004	P		18.81	<0.01	148.20	35,000	3,100	3,600	1,400	5,600	<25	--	7.1	t
6/2/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
7/2/2004	--		--	<0.01	--	--	--	--	--	--	--	--	--	
08/04/2004	--		18.90	0.00	148.11	--	--	--	--	--	--	--	--	
09/22/2004	NP		20.60	0.00	146.41	--	--	--	--	--	--	--	--	
11/10/2004	P		17.95	0.00	149.06	9,800	470	91	450	1,700	230	--	7.3	t
01/13/2005	--		12.21	0.00	154.80	--	--	--	--	--	--	--	--	
02/15/2005	P		14.19	0.00	152.82	30,000	510	330	1,800	7,200	77	--	7.2	
05/16/2005	P		13.85	0.00	153.16	37,000	540	730	2,100	9,200	<50	--	6.7	
08/17/2005	P		19.01	0.00	148.00	15,000	1,100	420	1,200	4,100	<50	--	6.7	
11/18/2005	P		19.95	0.00	147.06	12,000	1,200	240	550	1,300	16	--	6.8	
02/07/2006	P		12.28	Sheen	154.73	22,000	340	580	1,300	4,500	73	--	6.8	t
5/19/2006	P		15.12	0.00	151.89	40,000	690	430	2,600	4,900	<25	--	6.9	t
8/23/2006	P		20.00	0.00	147.01	13,000	1,500	540	1,200	3,000	<10	--	6.97	
11/15/2006	P		19.84	0.00	147.17	3,800	700	22	67	160	54	0.65	6.78	
2/14/2007	P		14.94	Sheen	152.07	37,000	350	120	2,400	8,100	120	2.12	7.05	t
5/22/2007	P		17.17	Sheen	149.84	13,000	810	130	750	2,200	15	0.06	7.10	t
8/15/2007	P		20.30	Sheen	146.71	4,400	550	38	160	310	<10	3.09	7.09	
11/8/2007	P		19.58	Sheen	147.43	13,000	970	130	480	1,600	6.0	1.47	7.95	t
2/20/2008	--		14.27	0.05	152.78	--	--	--	--	--	--	--	--	b, j
5/7/2008	P		18.61	0.00	148.40	16,000	970	150	770	2,000	<20	2.18	6.98	t
8/20/2008	--		20.71	0.01	146.31	--	--	--	--	--	--	--	--	b
11/17/2008	P		19.71	0.00	147.30	10,000	960	57	270	720	23	--	6.54	t, w
2/25/2009	P		13.10	0.00	153.91	2,900	53	14	69	160	170	4.06	6.68	
4/8/2009	--		15.91	0.00	151.10	--	--	--	--	--	--	--	--	
5/28/2009	P		17.37	Sheen	149.64	15,000	640	280	790	2,500	65	0.03	6.69	t, x
6/16/2009	--		18.79	0.01	148.23	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
MW-10 Cont.														
8/6/2009	P	167.01	20.19	Sheen	146.82	23,000	850	490	1,200	4,100	<25	0.06	7.23	x
3/4/2010	P		12.32	Sheen	154.69	12,000	71	72	740	1,800	<2.5	0.56	6.81	
9/2/2010	--		19.63	0.02	147.40	--	--	--	--	--	--	--	--	b, j
3/15/2011	--		13.20	0.01	153.82	--	--	--	--	--	--	--	--	b, j
8/17/2011	P		18.27	0.00	148.74	4,000	780	39	250	290	<5.0	0.44	7.18	
2/6/2012	P		16.32	0.00	150.69	6,300	1,100	39	340	470	<5.0	0.71	7.21	
QC-2														
10/5/1992	--	168.01	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	f
1/13/1993	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	f,i
4/23/1993	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	f,i
7/12/1993	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	f
10/21/1993	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	f
1/21/1994	--		--	--	--	<50	<0.5	2.1	<0.5	2.1	--	--	--	f
4/20/1994	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	f
12/23/1994	--		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	f
1/26/1995	--		--	--	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	f
6/8/1995	--		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	--	f
8/22/1995	--		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	d,f
10/30/1995	--		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	f
1/25/1996	--		--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	--	f
4/19/1996	--		--	--	--	<50	<0.5	<1	<1	<1	<10	--	--	f
RW-1														
7/9/1990	--	168.01	--	--	--	--	--	--	--	--	--	--	--	
12/21/1990	--		--	--	--	--	--	--	--	--	--	--	--	
3/7/1991	--		17.62	0.00	150.39	--	--	--	--	--	--	--	--	t
4/1/1991	--		14.40	0.00	153.61	--	--	--	--	--	--	--	--	
6/27/1991	--		--	--	--	--	--	--	--	--	--	--	--	
9/27/1991	--		--	--	--	--	--	--	--	--	--	--	--	
12/18/1991	--		--	--	--	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
RW-1 Cont.														
7/3/1992	--	168.01	20.66	0.00	147.35	--	--	--	--	--	--	--	--	t
10/5/1992	--		23.34	0.00	144.67	--	--	--	--	--	--	--	--	
1/13/1993	--		16.59	0.00	151.42	--	--	--	--	--	--	--	--	
4/23/1993	--		16.17	0.00	151.84	--	--	--	--	--	--	--	--	
7/12/1993	--		20.18	0.00	147.83	--	--	--	--	--	--	--	--	
10/21/1993	--		25.70	0.00	142.31	--	--	--	--	--	--	--	--	
1/21/1994	--		21.24	0.00	146.77	--	--	--	--	--	--	--	--	
4/20/1994	--		32.20	0.00	135.81	--	--	--	--	--	--	--	--	
8/1/1994	--		21.70	0.00	146.31	29,000	580	950	300	7,800	1,200	1.1	--	d
12/23/1994	--		16.02	0.00	151.99	1,300	25	8.6	1.4	69	616	1.8	--	i
1/26/1995	--		13.78	0.00	154.23	<50	<0.5	<0.5	<0.5	<1	--	--	--	
1/26/1995	--		13.78	0.00	154.23	<50	<0.5	<0.5	<0.5	<1	--	--	--	c
6/8/1995	--		20.05	0.00	147.96	1,300	130	<1.0	<1.0	36	--	--	--	
8/22/1995	--		21.74	0.00	146.27	2,800	210	9.3	4.3	250	<25	--	--	c
8/22/1995	--		21.74	0.00	146.27	3,300	230	13	4.9	280	<25	6.6	--	d
10/27/1995	--		32.00	0.00	136.01	--	--	--	--	--	--	--	--	
10/30/1995	--		--	--	--	240	1.6	<1.0	<1.0	<2.0	630	--	--	c
10/30/1995	--		--	--	--	230	1.4	<1.0	<1.0	<2.0	650	6.9	--	
1/25/1996	--		15.41	0.00	152.60	15,000	3,400	930	330	2,500	5,300	--	--	
4/19/1996	--		16.83	0.00	151.18	35,000	5,500	3,300	1,700	9,400	14,000	7.6	--	
4/19/1996	--		16.83	0.00	151.18	33,000	5,600	3,200	1,700	8,800	15,000	--	--	c
7/23/1996	--		20.76	0.00	147.25	47,000	3,700	2,500	930	5,300	35,000	--	--	c
7/23/1996	--		20.76	0.00	147.25	46,000	3,600	2,300	900	5,100	36,000	7.4	--	
11/11/1996	--		21.73	0.00	146.28	31,000	2,900	1,000	860	4,600	22,000	--	--	c
11/11/1996	--		21.73	0.00	146.28	34,000	3,000	1,200	880	4,600	22,000	8.3	--	
1/21/1997	--		14.20	0.00	153.81	270	42	17	2.7	36	1,500	--	--	c
1/21/1997	--		14.20	0.00	153.81	260	40	16	2.7	34	1,500	6.1	--	
4/29/1997	--		19.15	0.00	148.86	32,000	3,100	590	1,300	6,000	46,000	5.3	--	
8/21/1997	--		20.67	0.00	147.34	7,600	730	58	370	1,780	9,500	4.7	--	
11/5/1997	--		21.01	0.00	147.00	39,000	2,300	86	1,300	3,840	56,000	4.5	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
RW-1 Cont.														
2/3/1998	--	168.01	10.68	0.00	157.33	3,400	31	11	29	161	3,200	5.1	--	
5/28/1998	--		15.55	0.00	152.46	2,000	90	15	60	305	2,700	4.3	--	
12/30/1998	--		17.35	0.00	150.66	--	--	--	--	--	--	--	--	
2/2/1999	--		14.58	0.00	153.43	82,000	2,300	120	2,000	3,200	51000/78000	--	--	g
5/10/1999	--		16.00	0.00	152.01	15,000	620	88	340	660	61,000	--	--	
8/24/1999	--		20.00	0.00	148.01	52,000	1,400	170	2,200	2,900	37,000	--	--	
11/3/1999	--		20.39	0.00	147.62	17,000	2,500	86	1,500	970	54,000	--	--	
3/1/2000	--		12.97	0.00	155.04	17,000	580	78	790	1,100	13,000	--	--	
4/21/2000	--		16.02	0.00	151.99	31,000	2,100	100	1,400	1,100	39,000	--	--	
7/31/2000	--		21.89	0.00	146.12	47,000	1,300	170	2,700	2,300	30,000	--	--	
11/20/2000	--		19.15	0.00	148.86	--	--	--	--	--	--	--	--	h
2/18/2001	--		15.35	0.00	152.66	14,000	589	89	600	712	13,000	--	--	
6/7/2001	--		19.09	0.00	148.92	28,000	1,140	68.2	504	530	19,100	--	--	
9/5/2001	--		22.06	0.02	145.93	--	--	--	--	--	--	--	--	j
11/30/2001	--		19.53	0.00	148.48	20,000	405	39.4	545	740	8,260	--	--	
2/20/2002	--		15.99	0.00	152.02	13,000	469	29	434	655	7,240	--	--	
6/20/2002	--		19.31	0.00	148.70	--	--	--	--	--	--	--	--	j,l
9/11/2002	--		21.07	0.03	146.91	--	--	--	--	--	--	--	--	j
11/12/2002	--		20.92	0.02	147.07	--	--	--	--	--	--	--	--	j
1/29/2003	--		16.31	0.04	151.66	--	--	--	--	--	--	--	--	j,n
5/22/2003	--		16.68	0.00	151.33	--	--	--	--	--	--	--	--	j,t
6/24/2003	--		19.76	0.07	148.18	--	--	--	--	--	--	--	--	o
7/28/2003	--		21.04	0.04	146.93	--	--	--	--	--	--	--	--	j
8/12/2003	--		21.41	<0.01	146.60	--	--	--	--	--	--	--	--	o,t
9/12/2003	--		21.10	0.07	146.84	--	--	--	--	--	--	--	--	o
10/3/2003	--		--	0.03	--	--	--	--	--	--	--	--	--	
11/18/2003	P		20.10	<0.01	147.91	12,000	770	<50	320	250	6,100	--	6.6	o,p
12/31/2003	--		--	<0.01	--	--	--	--	--	--	--	--	--	
02/23/2004	--		14.35	0.01	153.67	--	--	--	--	--	--	--	--	
3/18/2004	--		--	0.09	--	--	--	--	--	--	--	--	--	

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
RW-1 Cont.														
4/13/2004	--	168.01	--	0.02	--	--	--	--	--	--	--	--	--	
05/04/2004	--		19.58	0.02	148.45	--	--	--	--	--	--	--	--	
6/2/2004	--		--	0.05	--	--	--	--	--	--	--	--	--	
7/2/2004	--		--	0.11	--	--	--	--	--	--	--	--	--	
08/04/2004	--		22.05	0.05	146.00	--	--	--	--	--	--	--	--	
09/22/2004	NP		21.28	0.06	146.78	--	--	--	--	--	--	--	--	
10/26/2004	--		--	0.01	--	--	--	--	--	--	--	--	--	
11/10/2004	--		18.56	0.02	149.47	--	--	--	--	--	--	--	--	
12/27/2004	--		--	0.03	--	--	--	--	--	--	--	--	--	
01/13/2005	--		12.51	0.01	155.51	--	--	--	--	--	--	--	--	
02/15/2005	--		15.24	0.03	152.79	--	--	--	--	--	--	--	--	
03/07/2005	--		11.90	0.02	156.13	--	--	--	--	--	--	--	--	
4/29/2005	--		--	0.03	--	--	--	--	--	--	--	--	--	
05/16/2005	--		14.39	0.02	153.64	--	--	--	--	--	--	--	--	j
6/21/2005	--		--	0.03	--	--	--	--	--	--	--	--	--	
7/7/2005	--		--	0.06	--	--	--	--	--	--	--	--	--	
08/17/2005	--		19.91	0.03	148.12	--	--	--	--	--	--	--	--	j
9/6/2005	--		--	0.03	--	--	--	--	--	--	--	--	--	
10/4/2005	--		--	0.07	--	--	--	--	--	--	--	--	--	
11/18/2005	--		20.36	0.07	147.71	--	--	--	--	--	--	--	--	b, j
12/30/2005	--		--	0.04	--	--	--	--	--	--	--	--	--	
1/24/2006	--		--	0.01	--	--	--	--	--	--	--	--	--	
02/07/2006	--		12.87	0.01	155.15	--	--	--	--	--	--	--	--	j
3/30/2006	--		--	0.02	--	--	--	--	--	--	--	--	--	
5/19/2006	--		15.87	0.04	152.17	--	--	--	--	--	--	--	--	b
8/23/2006	--		20.50	0.07	147.56	--	--	--	--	--	--	--	--	b, j
11/15/2006	--		20.52	0.07	147.54	--	--	--	--	--	--	--	--	b, j
2/14/2007	--		15.44	0.04	152.60	--	--	--	--	--	--	--	--	b, j
5/22/2007	--		17.78	Sheen	150.23	--	--	--	--	--	--	--	--	j, l
8/15/2007	--		20.80	0.02	147.23	--	--	--	--	--	--	--	--	b, j

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	P/NP	TOC Elevation (feet)	Depth to Water (feet)	LNAPL Thickness (feet)	Water Level Elevation (feet)	Concentrations in µg/L						DO (mg/L)	pH	Footnote
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE			
RW-1 Cont.														
11/8/2007	--	168.01	20.32	0.01	147.70	--	--	--	--	--	--	--	--	b, j
2/20/2008	--		14.55	0.02	153.48	--	--	--	--	--	--	--	--	b, j
5/7/2008	--		--	--	--	--	--	--	--	--	--	--	--	e
8/20/2008	--		21.34	0.02	146.69	--	--	--	--	--	--	--	--	b
11/17/2008	P		20.41	0.00	147.60	13,000	120	<20	590	320	120	--	6.47	w
2/25/2009	--		13.40	0.02	154.63	--	--	--	--	--	--	--	--	b
4/8/2009	--		16.45	0.00	151.56	--	--	--	--	--	--	--	--	
5/28/2009	--		17.88	0.01	150.14	--	--	--	--	--	--	--	--	b
6/16/2009	--		19.30	0.01	148.72	--	--	--	--	--	--	--	--	
8/6/2009	--		20.72	0.01	147.30	--	--	--	--	--	--	--	--	b, j
3/4/2010	P		12.33	Sheen	155.68	8,000	20	<2.5	230	140	110	1.24	6.77	
9/2/2010	NP		20.14	0.00	147.87	4,700	18	<2.5	78	46	<2.5	0.66	7.31	
3/15/2011	P		13.03	0.00	154.98	7,000	3.7	<2.5	44	31	6.7	0.79	7.0	
8/17/2011	P		18.60	0.00	149.41	2,800	7.5	<2.5	12	10	8.8	0.43	7.14	
2/6/2012	P		16.81	0.00	151.20	1,300	3.1	<2.5	5.2	5.1	2.9	0.61	7.03	

Symbols & Abbreviations:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
GRO = Gasoline range organics
GWE = Groundwater elevation measured in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert-butyl ether
NP = Well not purged prior to sampling
P = Well purged prior to sampling
TOC = Top of casing measured in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter
SEQ/SEQM= Sequoia Analytical/Sequoia Analytical Morgan Hill (Laboratories)
SPH = Separate phase hydrocarbons
CEL = Calscience Environmental Laboratories

Footnotes:

a = Casing elevations surveyed to the nearest 0.01 ft MSL
b = GWE adjusted assuming a specific gravity of 0.75 for free product (FP)
c = Blind duplicate.
d = A copy of the documentation for this data is included in Appendix C of Alisto report 10-024-10-001
e = Well inaccessible
f = Travel blank
g = EPA Methods 8020/8260 used
h = Unable to sample
i = A copy of the documentation for this data can be found in Blaine Tech Services report 010607-M-3. MTBE data for the January 13, 1993 and April 23, 1993 sampling events has been destroyed. No chromatograms could be located for MTBE data from wells MW-5, MW-6, and MW-7, sampled on October 21, 1993
j = Well not sampled due to presence of SPH and nature of the product
k = Could not purge and sample; waste drum full
l = Value represents the depth to product. Unable to determine depth to water, product disabled the interface probe.
m = Discrete p[ak @ C6-7
n = TPH-g, BTEX, and MTBE analyzed by EPA method 8260 B beginning on 1st quarter 2003 sampling event (1/29/03)
o = Groundwater samples are not collected during FP bailing event
p = Well not included in the monthly FP bailing program
q = Well not sampled in November 2003 due to the presence of a pile of gravel dumped over the well box
r = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose
s = MW-7 TOC elevation raised +0.47 ft during well repair on January 20, 2004
t = Sheen in well
u = Calib. verif. is within method limits but outside contract limits
v = GRO result partly due to individual peak(s) in quantitation range
w = DO meter not working at time of measurement
x = DO measurement suspect
y = Sample dilution was done with headspace in the sample vial. The samples were originally analyzed from VOAs without headspace

Notes:

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

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

Values for DO and pH were obtained through field measurements

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

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

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
4/30/1997	--	--	6,900	--	--	--	--	--	
4/30/1997	--	--	7,700	--	--	--	--	--	
8/21/1997	--	--	5,200	--	--	--	--	--	
8/21/1997	--	--	5,700	--	--	--	--	--	
11/5/1997	--	--	8,000	--	--	--	--	--	
11/5/1997	--	--	8,200	--	--	--	--	--	
2/4/1998	--	--	<10000	--	--	--	--	--	
2/4/1998	--	--	<10000	--	--	--	--	--	
5/28/1998	--	--	2,900	--	--	--	--	--	
12/30/1998	--	--	3,600	--	--	--	--	--	
2/2/1999	--	--	3,500	--	--	--	--	--	
5/10/1999	--	--	3,000	--	--	--	--	--	
8/24/1999	--	--	<50	--	--	--	--	--	
11/3/1999	--	--	8,900	--	--	--	--	--	
4/21/2000	--	--	1,300	--	--	--	--	--	
7/31/2000	--	--	2,700	--	--	--	--	--	
11/20/2000	--	--	3,900	--	--	--	--	--	
2/26/2001	--	--	1,890	--	--	--	--	--	
6/7/2001	--	--	2,720	--	--	--	--	--	
12/6/2001	--	--	5,400	--	--	--	--	--	
2/20/2002	--	--	106	--	--	--	--	--	
5/19/2006	<6,000	<400	86	<10	<10	<10	<10	<10	
11/17/2008	<6,000	350	590	<10	<10	27	<10	<10	
3/4/2010	<2,000	<80	<10	<10	<10	<10	<10	<10	
9/2/2010	<1,000	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
3/15/2011	<2500	<40	16	<5.0	<5.0	<5.0	<5.0	<5.0	
8/17/2011	<500	<8.0	8.3	<1.0	<1.0	<1.0	<1.0	<1.0	
2/6/2012	<500	100	10	<1.0	<1.0	<1.0	<1.0	<1.0	
MW-2									
4/20/1994	--	--	24	--	--	--	--	--	
4/30/1997	--	--	<5000	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
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Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-2 Cont.									
8/21/1997	--	--	<500	--	--	--	--	--	
11/5/1997	--	--	<2500	--	--	--	--	--	
2/3/1998	--	--	<2500	--	--	--	--	--	
5/28/1998	--	--	900	--	--	--	--	--	
12/30/1998	--	--	<250	--	--	--	--	--	
2/2/1999	--	--	<500	--	--	--	--	--	
5/10/1999	--	--	75	--	--	--	--	--	
8/24/1999	--	--	<250	--	--	--	--	--	
11/3/1999	--	--	2,200	--	--	--	--	--	
3/1/2000	--	--	44	--	--	--	--	--	
4/21/2000	--	--	260	--	--	--	--	--	
7/31/2000	--	--	490	--	--	--	--	--	
11/20/2000	--	--	2,800	--	--	--	--	--	
2/18/2001	--	--	1,010	--	--	--	--	--	
6/7/2001	--	--	567	--	--	--	--	--	
9/5/2001	--	--	1,510	--	--	--	--	--	
11/30/2001	--	--	794	--	--	--	--	--	
2/20/2002	--	--	160	--	--	--	--	--	
6/20/2002	--	--	659	--	--	--	--	--	
9/11/2002	--	--	<5000	--	--	--	--	--	
11/12/2002	--	--	1,900	--	--	--	--	--	
1/29/2003	<4000	<2000	820	<50	<50	<50	<50	<50	
5/22/2003	<10000	<2000	1,000	<50	<50	<50	--	--	
7/28/2003	<20000	<4000	1,700	<100	<100	<100	<100	<100	a
11/18/2003	<5,000	<1,000	500	<25	<25	<25	--	--	
02/23/2004	<25,000	<5,000	790	<120	<120	<120	<120	<120	
05/04/2004	<50,000	<10,000	780	<250	<250	<250	<250	<250	
08/04/2004	<50,000	<10,000	430	<250	<250	<250	<250	<250	
11/10/2004	<5,000	<1,000	310	<25	<25	<25	<25	<25	
02/15/2005	<20,000	<4,000	690	<100	<100	<100	<100	<100	
05/16/2005	<50,000	<10,000	560	<250	<250	<250	<250	<250	
08/17/2005	<20,000	<4,000	480	<100	<100	<100	<100	<100	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-2 Cont.									
11/18/2005	<20,000	<4,000	340	<100	<100	<100	<100	<100	b
02/07/2006	<60,000	<4,000	440	<100	<100	<100	160	<100	
5/19/2006	<60,000	<4,000	430	<100	<100	<100	<100	<100	b
8/23/2006	<60,000	<4,000	480	<100	<100	<100	<100	<100	
11/15/2006	<60,000	<4,000	400	<100	<100	<100	<100	<100	
2/14/2007	<60,000	<4,000	810	<100	<100	<100	<100	<100	
5/22/2007	<150,000	<10,000	1,000	<250	<250	<250	<250	<250	
8/15/2007	<30,000	2,400	260	<50	<50	<50	<50	<50	b
11/8/2007	<30,000	2,800	240	<50	<50	<50	<50	<50	
11/17/2008	<6,000	1,800	320	<10	<10	<10	<10	<10	
2/25/2009	<150,000	<5,000	<250	<250	<250	<250	<250	<250	
5/28/2009	<75,000	<2,500	510	<120	<120	<120	<120	<120	
3/4/2010	<1,000	2,600	350	<5.0	<5.0	12	<5.0	<5.0	
9/2/2010	<2,000	<80	470	<10	<10	14	<10	<10	
3/15/2011	<50,000	<800	500	<100	<100	<100	<100	<100	
8/17/2011	<50,000	<800	150	<100	<100	<100	<100	<100	
2/6/2012	<50,000	<800	360	<100	<100	<100	<100	<100	
MW-3									
7/12/1993	--	--	<5.0	--	--	--	--	--	
10/21/1993	--	--	<5.0	--	--	--	--	--	
1/21/1994	--	--	<5.0	--	--	--	--	--	
4/20/1994	--	--	28.7	--	--	--	--	--	
8/1/1994	--	--	5.43	--	--	--	--	--	
8/1/1994	--	--	<5.0	--	--	--	--	--	
12/23/1994	--	--	9.8	--	--	--	--	--	
8/22/1995	--	--	<5.0	--	--	--	--	--	
10/30/1995	--	--	<5.0	--	--	--	--	--	
1/25/1996	--	--	5.1	--	--	--	--	--	
4/19/1996	--	--	<10	--	--	--	--	--	
7/23/1996	--	--	<10	--	--	--	--	--	
11/11/1996	--	--	<50	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
1/21/1997	--	--	<10	--	--	--	--	--	
4/29/1997	--	--	<10	--	--	--	--	--	
8/21/1997	--	--	<10	--	--	--	--	--	
11/5/1997	--	--	<50	--	--	--	--	--	
2/3/1998	--	--	<10	--	--	--	--	--	
5/28/1998	--	--	<50	--	--	--	--	--	
2/2/1999	--	--	<5.0	--	--	--	--	--	
3/1/2000	--	--	<0.5	--	--	--	--	--	
2/18/2001	--	--	1	--	--	--	--	--	
2/20/2002	--	--	<0.5	--	--	--	--	--	
1/27/2003	<40	<20	0.76	<50	<50	<50	<50	<50	
02/23/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/15/2005	<100	<20	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	
02/07/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/14/2007	<300	<20	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	u
2/20/2008	<100	<10	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	
2/25/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/4/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/15/2011	<250	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-4									
7/12/1993	--	--	<5.0	--	--	--	--	--	
10/21/1993	--	--	<5.0	--	--	--	--	--	
1/21/1994	--	--	<5.0	--	--	--	--	--	
4/20/1994	--	--	<5.0	--	--	--	--	--	
8/1/1994	--	--	<5.0	--	--	--	--	--	
8/22/1995	--	--	<5.0	--	--	--	--	--	
1/25/1996	--	--	58	--	--	--	--	--	
11/11/1996	--	--	34	--	--	--	--	--	
4/29/1997	--	--	<10	--	--	--	--	--	
11/5/1997	--	--	76	--	--	--	--	--	
5/28/1998	--	--	160	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-4 Cont.									
2/2/1999	--	--	130	--	--	--	--	--	
3/1/2000	--	--	110	--	--	--	--	--	
2/18/2001	--	--	97.3	--	--	--	--	--	
2/20/2002	--	--	81	--	--	--	--	--	
1/29/2003	<40	<20	66	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2004	<100	<20	65	<0.50	<0.50	<0.50	<0.50	<0.50	
02/15/2005	<100	<20	62	<0.50	<0.50	<0.50	<0.50	<0.50	
02/07/2006	<300	<20	29	<0.50	<0.50	<0.50	<0.50	<0.50	
2/14/2007	<300	<20	61	<0.50	<0.50	<0.50	<0.50	<0.50	
2/20/2008	<100	<10	36	<0.50	<0.50	<0.50	<0.50	<0.50	
2/25/2009	<300	<10	26	<0.50	<0.50	<0.50	<0.50	<0.50	
3/4/2010	<100	4.4	34	<0.50	<0.50	<0.50	<0.50	<0.50	
3/15/2011	<250	4.1	26	<0.50	<0.50	<0.50	<0.50	<0.50	
2/6/2012	<250	<4.0	32	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-5									
7/12/1993	--	--	<5.0	--	--	--	--	--	
1/21/1994	--	--	<5.0	--	--	--	--	--	
4/20/1994	--	--	21.2	--	--	--	--	--	
8/1/1994	--	--	<5.0	--	--	--	--	--	
12/23/1994	--	--	7.81	--	--	--	--	--	
8/22/1995	--	--	<130	--	--	--	--	--	
10/30/1995	--	--	<250	--	--	--	--	--	
1/25/1996	--	--	<5.0	--	--	--	--	--	
1/25/1996	--	--	<5.0	--	--	--	--	--	
4/19/1996	--	--	<50	--	--	--	--	--	
7/23/1996	--	--	<10	--	--	--	--	--	
11/11/1996	--	--	<10	--	--	--	--	--	
1/21/1997	--	--	<50	--	--	--	--	--	
4/29/1997	--	--	<50	--	--	--	--	--	
8/21/1997	--	--	<10	--	--	--	--	--	
11/5/1997	--	--	<10	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-5 Cont.									
2/3/1998	--	--	<10	--	--	--	--	--	
5/28/1998	--	--	<10	--	--	--	--	--	
2/2/1999	--	--	9.1	--	--	--	--	--	
3/1/2000	--	--	2.9	--	--	--	--	--	
2/18/2001	--	--	5.67	--	--	--	--	--	
2/20/2002	--	--	55.6	--	--	--	--	--	
11/12/2002	--	--	210	--	--	--	--	--	
1/29/2003	<400	<200	82	<5.0	<5.0	<5.0	<5.0	<5.0	
5/22/2003	<10000	<2000	<50	<50	<50	<50	--	--	
7/28/2003	<2000	<400	120	<10	<10	<10	<10	<10	
11/18/2003	--	--	--	--	--	--	--	--	Well inaccessible
02/23/2004	<5,000	<1,000	100	<25	<25	<25	38	<25	
05/04/2004	<5,000	<1,000	42	<25	<25	<25	<25	<25	
08/04/2004	<5,000	<1,000	390	<25	<25	<25	<25	<25	
11/10/2004	<1,000	<200	530	<5.0	<5.0	5.5	<5.0	<5.0	
02/15/2005	<1,000	<200	260	<5.0	<5.0	<5.0	<5.0	<5.0	
05/16/2005	<1,000	<200	370	<5.0	<5.0	<5.0	<5.0	<5.0	
08/17/2005	<1,000	<200	51	<5.0	<5.0	<5.0	<5.0	<5.0	
11/18/2005	<1,000	<200	340	<5.0	<5.0	<5.0	<5.0	<5.0	b
02/07/2006	<3,000	<200	200	<5.0	<5.0	<5.0	<5.0	<5.0	
5/19/2006	<3,000	<200	44	<5.0	<5.0	<5.0	<5.0	<5.0	b
8/23/2006	<3,000	<200	230	<5.0	<5.0	<5.0	<5.0	<5.0	
11/15/2006	<1,500	<100	490	<2.5	<2.5	4.2	<2.5	<2.5	
2/14/2007	<1,500	<100	420	<2.5	<2.5	3.6	<2.5	<2.5	
5/22/2007	<1,500	<100	26	<2.5	<2.5	<2.5	<2.5	<2.5	
8/15/2007	<6,000	<400	280	<10	<10	<10	<10	<10	
11/8/2007	<1,500	310	270	<2.5	<2.5	<2.5	<2.5	<2.5	
2/20/2008	<1,000	<100	43	<5.0	<5.0	<5.0	<5.0	<5.0	
5/7/2008	<6,000	<200	30	<10	<10	<10	<10	<10	
8/20/2008	<1,200	270	260	<2.0	<2.0	3.0	<2.0	<2.0	
2/25/2009	<300	110	68	<0.50	<0.50	0.62	<0.50	<0.50	
5/28/2009	<600	<20	11	<1.0	<1.0	<1.0	<1.0	<1.0	

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Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-5 Cont.									
8/6/2009	<3,000	340	190	<5.0	<5.0	<5.0	<5.0	<5.0	
3/4/2010	<100	38	15	<0.50	<0.50	<0.50	<0.50	<0.50	
9/2/2010	<100	<4.0	13	<0.50	<0.50	<0.50	<0.50	<0.50	
3/15/2011	<250	<4.0	5.9	<0.50	<0.50	<0.50	<0.50	<0.50	
8/17/2011	<2,500	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
2/6/2012	<2,500	<40	9.8	<5.0	<5.0	<5.0	<5.0	<5.0	
MW-6									
7/12/1993	--	--	<5.0	--	--	--	--	--	
1/21/1994	--	--	<5.0	--	--	--	--	--	
4/20/1994	--	--	17.4	--	--	--	--	--	
8/1/1994	--	--	8.66	--	--	--	--	--	
8/22/1995	--	--	<5.0	--	--	--	--	--	
1/25/1996	--	--	9.9	--	--	--	--	--	
11/11/1996	--	--	<10	--	--	--	--	--	
4/29/1997	--	--	<10	--	--	--	--	--	
11/5/1997	--	--	85	--	--	--	--	--	
5/28/1998	--	--	<10	--	--	--	--	--	
05/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/07/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/14/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/20/2008	<100	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/25/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/4/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/15/2011	<250	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-7									
7/12/1993	--	--	<5.0	--	--	--	--	--	
1/21/1994	--	--	<5.0	--	--	--	--	--	
4/20/1994	--	--	<5.0	--	--	--	--	--	
8/1/1994	--	--	<5.0	--	--	--	--	--	
8/22/1995	--	--	<5.0	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-7 Cont.									
1/25/1996	--	--	<5.0	--	--	--	--	--	
11/11/1996	--	--	<10	--	--	--	--	--	
4/29/1997	--	--	<10	--	--	--	--	--	
11/5/1997	--	--	<10	--	--	--	--	--	
5/28/1998	--	--	<10	--	--	--	--	--	
02/07/2006	<3,000	<200	270	<5.0	<5.0	<5.0	<5.0	<5.0	
2/14/2007	<3,000	<200	740	<5.0	<5.0	9.6	<5.0	<5.0	
2/20/2008	<100	13	700	<0.50	<0.50	12	0.60	<0.50	
2/25/2009	<12,000	<400	540	<20	<20	<20	<20	<20	
3/4/2010	<100	4.0	920	<0.50	<0.50	17	0.74	<0.50	
3/15/2011	<250	130	990	<0.50	<0.50	17	0.81	<0.50	
2/6/2012	<250	<4.0	22	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-8									
4/20/1994	--	--	632	--	--	--	--	--	
8/21/1997	--	--	<1000	--	--	--	--	--	
11/5/1997	--	--	<1000	--	--	--	--	--	
2/4/1998	--	--	<2500	--	--	--	--	--	
12/30/1998	--	--	150	--	--	--	--	--	
2/2/1999	--	--	<500	--	--	--	--	--	
5/10/1999	--	--	<25	--	--	--	--	--	
8/24/1999	--	--	150	--	--	--	--	--	
11/3/1999	--	--	750	--	--	--	--	--	
3/1/2000	--	--	120	--	--	--	--	--	
11/20/2000	--	--	5,700	--	--	--	--	--	
2/20/2002	--	--	80.4	--	--	--	--	--	
6/20/2002	--	--	2,520	--	--	--	--	--	
9/11/2002	--	--	1,200	--	--	--	--	--	
11/12/2002	--	--	31	--	--	--	--	--	
1/29/2003	<4000	<2000	<500	<50	<50	<50	<50	<50	
5/22/2003	<5000	<1000	--	<25	<25	<25	--	--	
6/24/2003	--	--	46	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-8 Cont.									
7/28/2003	<20000	<4000	2,100	<100	<100	<100	<100	<100	
11/18/2003	<2,000	<400	1,700	<10	<10	20	--	--	a,b
02/23/2004	<10,000	<2,000	110	<50	<50	<50	<50	<50	
05/04/2004	<5,000	<1,000	2,000	<25	<25	33	<25	<25	
11/10/2004	<5,000	<1,000	74	<25	<25	<25	<25	<25	
02/15/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
05/16/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
08/17/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
11/18/2005	<10,000	<2,000	140	<50	<50	<50	<50	<50	b
02/07/2006	<3,000	<200	7.5	<5.0	<5.0	<5.0	<5.0	<5.0	
5/19/2006	<15,000	<1,000	<25	<25	<25	<25	<25	<25	b
8/23/2006	<15,000	<1,000	82	<25	<25	<25	<25	<25	
11/15/2006	<15,000	<1,000	110	<25	<25	<25	<25	<25	
2/14/2007	<15,000	<1,000	82	<25	<25	<25	<25	<25	
5/22/2007	<6,000	<400	11	<10	<10	<10	<10	<10	
8/15/2007	<6,000	<400	28	<10	<10	<10	<10	<10	
11/8/2007	<15,000	<1,000	27	<25	<25	<25	<25	<25	
2/25/2009	<6,000	<200	35	<10	<10	<10	<10	<10	
5/28/2009	<1,500	<50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
3/4/2010	<1,000	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
9/2/2010	<1,000	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
3/15/2011	<1,200	<20	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
8/17/2011	<2,500	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
2/6/2012	2,900	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
MW-9									
7/12/1993	--	--	20.8	--	--	--	--	--	
4/20/1994	--	--	740	--	--	--	--	--	
4/20/1994	--	--	768	--	--	--	--	--	
4/30/1997	--	--	<5000	--	--	--	--	--	
8/21/1997	--	--	<500	--	--	--	--	--	
11/5/1997	--	--	<500	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-9 Cont.									
2/3/1998	--	--	<1000	--	--	--	--	--	
5/28/1998	--	--	<500	--	--	--	--	--	
5/28/1998	--	--	<250	--	--	--	--	--	
12/30/1998	--	--	180	--	--	--	--	--	
2/2/1999	--	--	<50	--	--	--	--	--	
5/10/1999	--	--	72	--	--	--	--	--	
8/24/1999	--	--	<250	--	--	--	--	--	
11/3/1999	--	--	<5.0	--	--	--	--	--	
3/1/2000	--	--	63	--	--	--	--	--	
4/21/2000	--	--	<5.0	--	--	--	--	--	
7/31/2000	--	--	1,600	--	--	--	--	--	
11/20/2000	--	--	3,900	--	--	--	--	--	
2/18/2001	--	--	121	--	--	--	--	--	
6/7/2001	--	--	223	--	--	--	--	--	
9/5/2001	--	--	310	--	--	--	--	--	
11/30/2001	--	--	285	--	--	--	--	--	
2/20/2002	--	--	293	--	--	--	--	--	
6/20/2002	--	--	208	--	--	--	--	--	
9/11/2002	--	--	<2500	--	--	--	--	--	
11/12/2002	--	--	21	--	--	--	--	--	
5/22/2003	<10000	<2000	<50	<50	<50	<50	--	--	
7/28/2003	<100000	<20000	<500	<500	<500	<500	<500	<500	
11/18/2003	<2,000	<400	45	<10	<10	<10	--	--	a,b
02/23/2004	<50,000	<10,000	<250	<250	<250	<250	<250	<250	
05/04/2004	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
11/10/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
02/15/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
05/16/2005	<2,000	<400	<10	<10	<10	<10	<10	<10	
08/17/2005	<2,500	<500	<12	<12	<12	<12	<12	<12	
11/18/2005	<1,000	<200	19	<5.0	<5.0	<5.0	<5.0	<5.0	b
02/07/2006	<3,000	<200	<5.0	<5.0	<5.0	5.4	<5.0	<5.0	
8/23/2006	<30,000	<2,000	<50	<50	<50	<50	<50	<50	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-9 Cont.									
11/15/2006	<15,000	<1,000	26	<25	<25	<25	<25	<25	
2/14/2007	<15,000	<1,000	<25	<25	<25	<25	<25	<25	
5/22/2007	<15,000	<1,000	<25	<25	<25	<25	<25	<25	
8/15/2007	<1,500	<100	27	<2.5	<2.5	<2.5	<2.5	<2.5	b
11/8/2007	<3,000	<200	52	<5.0	<5.0	<5.0	<5.0	<5.0	
11/17/2008	<1,500	<50	33	<2.5	<2.5	<2.5	<2.5	<2.5	
2/25/2009	<6,000	<200	<10	<10	<10	<10	<10	<10	
5/28/2009	<6,000	<200	<10	<10	<10	<10	<10	<10	
8/6/2009	<1,200	<40	18	<2.0	<2.0	<2.0	<2.0	<2.0	
3/4/2010	<500	<20	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
9/2/2010	<500	<20	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
3/15/2011	<1,200	<20	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
8/17/2011	<1,300	<20	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
2/6/2012	<1,300	<20	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
MW-10									
4/20/1994	--	--	1,577	--	--	--	--	--	
4/30/1997	--	--	<5000	--	--	--	--	--	
8/21/1997	--	--	<5000	--	--	--	--	--	
11/5/1997	--	--	<500	--	--	--	--	--	
2/4/1998	--	--	<1000	--	--	--	--	--	
5/28/1998	--	--	<1000	--	--	--	--	--	
12/30/1998	--	--	<50	--	--	--	--	--	
2/2/1999	--	--	860	--	--	--	--	--	
5/10/1999	--	--	220	--	--	--	--	--	
8/24/1999	--	--	<250	--	--	--	--	--	
11/3/1999	--	--	31	--	--	--	--	--	
3/1/2000	--	--	4,400	--	--	--	--	--	
4/21/2000	--	--	2,400	--	--	--	--	--	
11/20/2000	--	--	450	--	--	--	--	--	
2/18/2001	--	--	4,180	--	--	--	--	--	
6/7/2001	--	--	635	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-10 Cont.									
9/5/2001	--	--	189	--	--	--	--	--	
11/30/2001	--	--	325	--	--	--	--	--	
2/20/2002	--	--	1,090	--	--	--	--	--	
6/20/2002	--	--	224	--	--	--	--	--	
9/11/2002	--	--	<250	--	--	--	--	--	
5/22/2003	<10000	<2000	300	<50	<50	<50	--	--	
11/18/2003	<10,000	<2,000	<50	<50	<50	<50	--	--	b
02/23/2004	<20,000	<4,000	180	<100	<100	<100	<100	<100	
05/04/2004	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
11/10/2004	<5,000	<1,000	230	<25	<25	<25	<25	<25	b
02/15/2005	<10,000	<2,000	77	<50	<50	<50	<50	<50	
05/16/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
08/17/2005	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
11/18/2005	<2,500	<500	16	<12	<12	<12	<12	<12	b
02/07/2006	<15,000	<1,000	73	<25	<25	<25	<25	<25	
5/19/2006	<15,000	<1,000	<25	<25	<25	<25	<25	<25	b
8/23/2006	<6,000	<400	<10	<10	<10	<10	<10	<10	
11/15/2006	<6,000	<400	54	<10	<10	<10	<10	<10	
2/14/2007	<6,000	<400	120	<10	<10	<10	<10	<25	
5/22/2007	<6,000	<400	15	<10	<10	<10	<10	<10	
8/15/2007	<6,000	<400	<10	<10	<10	<10	<10	<10	
11/8/2007	<3,000	<200	6.0	<5.0	<5.0	<5.0	<5.0	<5.0	
5/7/2008	<12,000	<400	<20	<20	<20	<20	<20	<20	
11/17/2008	<12,000	<400	23	<20	<20	<20	<20	<20	
2/25/2009	<6,000	280	170	<10	<10	<10	<10	<10	
5/28/2009	<1,500	110	65	<2.5	<2.5	<2.5	<2.5	<2.5	
8/6/2009	<15,000	<500	<25	<25	<25	<25	<25	<25	
3/4/2010	<500	160	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
8/17/2011	<2,500	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
2/6/2012	<2,500	<40	<5.0	<5.0	<4.0	<5.0	<5.0	<5.0	
QC-2									

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
QC-2 Cont.									
8/22/1995	--	--	<5.0	--	--	--	--	--	
10/30/1995	--	--	<5.0	--	--	--	--	--	
1/25/1996	--	--	<5.0	--	--	--	--	--	
4/19/1996	--	--	<10	--	--	--	--	--	
RW-1									
8/1/1994	--	--	1,200	--	--	--	--	--	
12/23/1994	--	--	616	--	--	--	--	--	
8/22/1995	--	--	<25	--	--	--	--	--	
8/22/1995	--	--	<25	--	--	--	--	--	
10/30/1995	--	--	630	--	--	--	--	--	
10/30/1995	--	--	650	--	--	--	--	--	
1/25/1996	--	--	5,300	--	--	--	--	--	
4/19/1996	--	--	14,000	--	--	--	--	--	
4/19/1996	--	--	15,000	--	--	--	--	--	
7/23/1996	--	--	35,000	--	--	--	--	--	
7/23/1996	--	--	36,000	--	--	--	--	--	
11/11/1996	--	--	22,000	--	--	--	--	--	
11/11/1996	--	--	22,000	--	--	--	--	--	
1/21/1997	--	--	1,500	--	--	--	--	--	
1/21/1997	--	--	1,500	--	--	--	--	--	
4/29/1997	--	--	46,000	--	--	--	--	--	
8/21/1997	--	--	9,500	--	--	--	--	--	
11/5/1997	--	--	56,000	--	--	--	--	--	
2/3/1998	--	--	3,200	--	--	--	--	--	
5/28/1998	--	--	2,700	--	--	--	--	--	
2/2/1999	--	--	51000/78000	--	--	--	--	--	
5/10/1999	--	--	61,000	--	--	--	--	--	
8/24/1999	--	--	37,000	--	--	--	--	--	
11/3/1999	--	--	54,000	--	--	--	--	--	
3/1/2000	--	--	13,000	--	--	--	--	--	
4/21/2000	--	--	39,000	--	--	--	--	--	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Well ID and Date Monitored	Concentrations in µg/L								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
RW-1 Cont.									
7/31/2000	--	--	30,000	--	--	--	--	--	
2/18/2001	--	--	13,000	--	--	--	--	--	
6/7/2001	--	--	19,100	--	--	--	--	--	
11/30/2001	--	--	8,260	--	--	--	--	--	
2/20/2002	--	--	7,240	--	--	--	--	--	
11/18/2003	<10,000	11,000	6,100	<50	<50	160	--	--	a,b
11/17/2008	<12,000	<400	120	<20	<20	<20	<20	<20	
3/4/2010	<500	45	110	<2.5	<2.5	5.7	<2.5	<2.5	
9/2/2010	<500	<20	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
3/15/2011	<1,200	<20	6.7	<2.5	<2.5	<2.5	<2.5	<2.5	
8/17/2011	<1,300	<20	8.8	<2.5	<2.5	<2.5	<2.5	<2.5	
2/6/2012	<1,300	<20	2.9	<2.5	<2.5	<2.5	<2.5	<2.5	

Symbols & Abbreviations:

-- = Not analyzed/applicable/measured/available

< = Not detected at or above specified laboratory reporting limit

1,2-DCA = 1,2-Dichloroethane

DIPE = Diisopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

µg/L = Micrograms per Liter

Footnotes:

a = The result for TBA was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria

b = The continuing calibration verification for ethanol was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose

Notes:

All volatile organic compounds analyzed using EPA Method 8260B

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

**Table 3. Historical Groundwater Gradient - Direction and Magnitude
Former BP Station #11132, 3201 35th Ave, Oakland, CA**

Date Measured	Approximate Gradient Direction	Approximate Gradient Magnitude (ft/ft)
5/19/2006	South	0.003 to 0.005
8/23/2006	Southwest	0.01
11/15/2006	South	0.004
2/14/2007	Southeast	0.01
5/22/2007	South	0.005
8/15/2007	South-Southwest	0.008
11/8/2007	Southwest	0.006
2/20/2008	Southeast	0.008
5/7/2008	South-Southwest	0.003
8/20/2008	South-Southwest	0.007
11/17/2008	South-Southwest	0.005
2/25/2009	Southeast	0.01
5/28/2009	South	0.004
8/6/2009	South-Southwest	0.005
3/4/2010	East-Southeast	0.02
9/2/2010	Southwest	0.01
3/15/2011	Southeast	0.01
8/17/2011	Southwest	0.003
2/6/2012	Southeast	0.005

Notes:

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

Table 4. Bio-Degradation Parameters
Former BP Station #11132, 3201 35th Ave, Oakland, CA

Well ID and Date Monitored	Concentrations in mg/L										ORP (mV)	pH	Footnote
	Dissolved Oxygen	Nitrate (NO3)	Manganese	Ferrous Iron	Sulfate (SO4)	Dissolved Sulfide	Hydrogen Sulfide	Dissolved CO2	Methane	Total Alkalinity			
MW-1													
11/17/2008	--	<0.1	2.750	3.400	<1	<0.050	--	65	4.830	426	126	6.60	DO meter not working
3/4/2010	0.54	--	--	--	--	--	--	--	--	--	-106	6.96	
9/2/2010	0.52	--	--	--	--	--	--	--	--	--	186	7.01	
3/15/2011	0.85	--	--	--	--	--	--	--	--	--	-95	7.0	
8/17/2011	0.71	--	--	--	--	--	--	--	--	--	-71	7.39	
2/6/2012	0.78	--	--	--	--	--	--	--	--	--	33	7.34	
MW-2													
11/17/2008	--	<0.1	6.380	7.300	1.1	<0.050	--	98.5	5.350	838	111	6.46	DO meter not working
2/25/2009	2.11	<0.1	5.380	8.600	5.1	<0.050	--	294	3.480	846	-8	6.50	
5/28/2009	0.16	<0.1	5.340	2.400	8.7	<0.050	--	209	1.160	782	-75	6.59	BV (S2-, FE); DO measurement suspect
3/4/2010	1.28	--	--	--	--	--	--	--	--	--	-92	6.80	
9/2/2010	0.70	--	--	--	--	--	--	--	--	--	230	6.90	
3/15/2011	0.69	--	--	--	--	--	--	--	--	--	-94	6.8	
8/17/2011	0.50	--	--	--	--	--	--	--	--	--	-53	7.07	
2/6/2012	0.91	--	--	--	--	--	--	--	--	--	-9	7.08	
MW-3													
2/25/2009	3.45	1.6	0.0185	<0.100	29	<0.050	--	17.4	<0.0010	146	78	7.09	
3/4/2010	3.16	--	--	--	--	--	--	--	--	--	-10	7.06	
3/15/2011	3.14	--	--	--	--	--	--	--	--	--	75	7.2	
MW-4													
2/25/2009	2.80	3.8	<0.0050	<0.100	42	<0.050	--	44.1	<0.0010	244	-23	6.83	
3/4/2010	0.63	--	--	--	--	--	--	--	--	--	74	6.80	
3/15/2011	1.05	--	--	--	--	--	--	--	--	--	28	6.9	
2/6/2012	1.06	--	--	--	--	--	--	--	--	--	189	7.28	
MW-5													
8/20/2008	5.57	0.11	6.310	<0.10	12	<0.050	--	1,660	0.0355	698	170	6.86	BV (S2-, FE)
2/25/2009	4.38	0.22	2.930	<0.100	7.7	<0.050	--	17.6	0.00133	352	23	6.65	BV (S2-, FE)
5/28/2009	0.04	<0.1	4.450	0.840	2.9	<0.050	--	145	0.128	898	-89	6.82	BV (S2-, FE); DO measurement suspect

Table 4. Bio-Degradation Parameters
Former BP Station #11132, 3201 35th Ave, Oakland, CA

Well ID and Date Monitored	Concentrations in mg/L										ORP (mV)	pH	Footnote
	Dissolved Oxygen	Nitrate (NO3)	Manganese	Ferrous Iron	Sulfate (SO4)	Dissolved Sulfide	Hydrogen Sulfide	Dissolved CO2	Methane	Total Alkalinity			
MW-5 Cont.													
8/6/2009	0.06	<0.1	5.820	<0.100	10	<0.050	--	139	0.00312	694	--	7.27	DO measurement suspect
3/4/2010	0.66	--	--	--	--	--	--	--	--	--	-69	6.87	
9/2/2010	0.75	--	--	--	--	--	--	--	--	--	190	6.75	
3/15/2011	0.85	--	--	--	--	--	--	--	--	--	-50	6.8	
8/17/2011	0.61	--	--	--	--	--	--	--	--	--	-29	7.11	
2/6/2012	1.31	--	--	--	--	--	--	--	--	--	35	7.21	
MW-6													
2/25/2009	2.39	2.2	0.0176	<0.100	55	<0.050	--	23.4	<0.0010	196	16	7.09	
3/4/2010	0.88	--	--	--	--	--	--	--	--	--	4	7.01	
3/15/2011	1.43	--	--	--	--	--	--	--	--	--	74	7.1	
MW-7													
2/25/2009	4.28	1.2	0.0167	<0.100	16	<0.050	--	36	<0.0010	280	90	6.87	BV (S2-, FE)
3/4/2010	3.30	--	--	--	--	--	--	--	--	--	-36	7.02	
3/15/2011	4.05	--	--	--	--	--	--	--	--	--	8	7.0	
2/6/2012	1.58	--	--	--	--	--	--	--	--	--	178	7.44	
MW-8													
2/25/2009	2.18	0.1	4.140	3.000	4.7	<0.050	--	198	1.890	702	19	6.98	
5/28/2009	0.06	<0.1	3.040	1.500	2.2	<0.050	--	186	1.750	664	-41	6.78	BV (S2-, FE); DO measurement suspect
3/4/2010	0.82	--	--	--	--	--	--	--	--	--	63	6.72	
9/2/2010	0.56	--	--	--	--	--	--	--	--	--	199	6.75	
3/15/2011	0.90	--	--	--	--	--	--	--	--	--	-56	6.6	
8/17/2011	0.61	--	--	--	--	--	--	--	--	--	-30	7.08	
2/6/2012	0.91	--	--	--	--	--	--	--	--	--	22	7.17	
MW-9													
11/17/2008	--	0.18	3.190	3.400	12	<0.050	--	19.5	1.290	480	139	6.64	DO meter not working
2/25/2009	2.27	<0.1	3.060	1.900	1.9	<0.050	--	156	1.960	554	-23	6.69	
5/28/2009	0.07	<0.1	2.730	0.900	3.8	<0.050	--	169	0.826	522	-73	6.83	BV (S2-, FE); DO measurement suspect
8/6/2009	0.00	0.39	2.680	2.500	15	<0.050	--	--	0.573	478	--	7.26	DO measurement suspect

Table 4. Bio-Degradation Parameters
Former BP Station #11132, 3201 35th Ave, Oakland, CA

Well ID and Date Monitored	Concentrations in mg/L										ORP (mV)	pH	Footnote	
	Dissolved Oxygen	Nitrate (NO3)	Manganese	Ferrous Iron	Sulfate (SO4)	Dissolved Sulfide	Hydrogen Sulfide	Dissolved CO2	Methane	Total Alkalinity				
MW-9 Cont.														
3/4/2010	0.62	--	--	--	--	--	--	--	--	--	--	-83	6.84	
9/2/2010	0.46	--	--	--	--	--	--	--	--	--	--	214	6.85	
3/15/2011	1.07	--	--	--	--	--	--	--	--	--	--	-69	6.8	
2/6/2012	1.43	--	--	--	--	--	--	--	--	--	--	113	7.21	
MW-10														
11/17/2008	--	<0.1	4.890	4.700	1.7	<0.050	--	283	1.720	686	160	6.54	6.54	DO meter not working
2/25/2009	4.06	0.29	4.530	3.700	13	<0.050	--	182	0.117	572	-33	6.68	6.68	BV (S2-, FE)
5/28/2009	0.03	<0.1	4.380	4.000	6.9	<0.050	--	657	0.618	634	-40	6.69	6.69	BV (S2-, FE); DO measurement suspect
8/6/2009	0.06	<0.1	4.770	0.130	1.7	<0.050	--	81.4	0.587	728	--	7.23	7.23	DO measurement suspect
3/4/2010	0.56	--	--	--	--	--	--	--	--	--	-115	6.81	6.81	
8/17/2011	0.44	--	--	--	--	--	--	--	--	--	-72	7.18	7.18	
2/6/2012	0.71	--	--	--	--	--	--	--	--	--	-19	7.21	7.21	
QC-2														
RW-1														
11/17/2008	--	<0.1	0.581	0.990	<1	<0.050	--	35.8	3.780	94	108	6.47	6.47	DO meter not working
3/4/2010	1.24	--	--	--	--	--	--	--	--	--	-116	6.77	6.77	
9/2/2010	0.66	--	--	--	--	--	--	--	--	--	131	7.31	7.31	
3/15/2011	0.79	--	--	--	--	--	--	--	--	--	-41	7.0	7.0	
8/17/2011	0.43	--	--	--	--	--	--	--	--	--	-80	7.14	7.14	
2/6/2012	0.61	--	--	--	--	--	--	--	--	--	101	7.03	7.03	

Symbols & Abbreviations:

< = Not detected at or above specified laboratory reporting limit

ORP = Oxygen reduction potential

DO = Dissolved oxygen

CO₂ = Carbon dioxide

S₂⁻ = Soluble Sulfide

mV = Millivolts

μg/L = Micrograms per liter

mg/L = Milligrams per liter

BV = Sample received after holding time expired